

# SQL Database Documentation

DWDiagnositics (CSDemo-SQL)

Company Confidential

## Document Properties

<b>Author</b>	CENTREL-WS01\XiaAdmin
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Builtin_HasData.....	193
Builtin_RowId.....	194
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# DWDiagnostics

This section provides detailed information relating to the database.

## Database

<b>Date Created</b>	Thursday, April 9, 2026 1:41:58 AM
<b>Description</b>	
<b>Memory Allocated To Memory Optimized Objects</b>	0.00
<b>Memory Used By Memory Optimized Objects</b>	0.00
<b>Owner</b>	CSDEMO\Administrator
<b>Size (MB)</b>	1,072.00
<b>Space Available (MB)</b>	989.23
<b>Status</b>	Normal

## Maintenance

<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
------------------	--------------------------------

## Full-Text Search

<b>Use Full-Text Indexing</b>	True
-------------------------------	------

## Backup

<b>Last Database Backup</b>	[Not Configured]
<b>Last Log Backup Date</b>	[Not Configured]





## Change Tracking

<b>Change Tracking Enabled</b>	False
--------------------------------	-------

## Database Mirroring

<b>Enabled</b>	False
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#### 4 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant
 CSDEMO\SqlServices	dbo	CONNECT	Grant

#### 0 Extended Properties

There are no extended properties defined for this object.


#### Query Store

Operation Mode (Actual)	Read Write
Operation Mode (Requested)	Read Write
Data Flush Interval (Minutes)	15
Statistics Collection Interval	1 hour
Maximum Plans Per Query	200
Max Size (MB)	1,000
Capture Mode	Auto
Size Based Cleanup Mode	Auto
Stale Query Threshold (Days)	30

# Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

 **1 Assemblies**

Name	Security Level	Version
 Microsoft.SqlServer.Types	Unrestricted	17.0.0.0

# Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

## General Settings

<b>Assembly Security Level</b>	Unrestricted
<b>Date Created</b>	Tuesday, October 21, 2025 12:49:57 PM
<b>Strong Named</b>	True
<b>System Object</b>	True
<b>Owner</b>	sys
<b>Version</b>	17.0.0.0

## 0 Extended Properties

There are no extended properties defined for this object.

# Database Creation Script

This section provides the T-SQL command used to create the database.

## SQL Script

---

```
CREATE DATABASE [DWDiagnostics]
  CONTAINMENT = NONE
  ON PRIMARY
  ( NAME = 'DWDiagnostics', FILENAME =
'S:\MSSQL17.MSSQLSERVER\MSSQL\DATA\DWDiagnostics.mdf', SIZE = 1024000KB , MAXSIZE
= 1024000KB , FILEGROWTH = 65536KB )
  LOG ON
  ( NAME = 'DWDiagnostics_log', FILENAME =
'S:\MSSQL17.MSSQLSERVER\MSSQL\DATA\DWDiagnostics_log.ldf', SIZE = 73728KB ,
MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
  COLLATE Latin1_General_100_CI_AS_KS_WS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT, LEDGER = OFF
  IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [DWDiagnostics].[dbo].[sp_fulltext_database] @action = 'enable'
end
ALTER DATABASE [DWDiagnostics] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [DWDiagnostics] SET ANSI_NULLS OFF
ALTER DATABASE [DWDiagnostics] SET ANSI_PADDING OFF
ALTER DATABASE [DWDiagnostics] SET ANSI_WARNINGS OFF
ALTER DATABASE [DWDiagnostics] SET ARITHABORT OFF
ALTER DATABASE [DWDiagnostics] SET AUTO_CLOSE OFF
ALTER DATABASE [DWDiagnostics] SET AUTO_SHRINK OFF
ALTER DATABASE [DWDiagnostics] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [DWDiagnostics] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [DWDiagnostics] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [DWDiagnostics] SET CONCAT_NULL_YIELDS_NULL OFF
ALTER DATABASE [DWDiagnostics] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [DWDiagnostics] SET QUOTED_IDENTIFIER OFF
ALTER DATABASE [DWDiagnostics] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [DWDiagnostics] SET DISABLE_BROKER
ALTER DATABASE [DWDiagnostics] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [DWDiagnostics] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [DWDiagnostics] SET TRUSTWORTHY OFF
ALTER DATABASE [DWDiagnostics] SET ALLOW_SNAPSHOT_ISOLATION OFF
ALTER DATABASE [DWDiagnostics] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [DWDiagnostics] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [DWDiagnostics] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [DWDiagnostics] SET RECOVERY SIMPLE
ALTER DATABASE [DWDiagnostics] SET MULTI_USER
ALTER DATABASE [DWDiagnostics] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [DWDiagnostics] SET DB_CHAINING OFF
ALTER DATABASE [DWDiagnostics] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [DWDiagnostics] SET TARGET_RECOVERY_TIME = 60 SECONDS
ALTER DATABASE [DWDiagnostics] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [DWDiagnostics] SET OPTIMIZED_LOCKING = OFF
ALTER DATABASE [DWDiagnostics] SET ACCELERATED_DATABASE_RECOVERY = OFF
ALTER DATABASE [DWDiagnostics] SET QUERY_STORE = ON
ALTER DATABASE [DWDiagnostics] SET QUERY_STORE (OPERATION_MODE = READ_WRITE,
CLEANUP_POLICY = (STALE_QUERY_THRESHOLD_DAYS = 30), DATA_FLUSH_INTERVAL_SECONDS =
900, INTERVAL_LENGTH_MINUTES = 60, MAX_STORAGE_SIZE_MB = 1000, QUERY_CAPTURE_MODE =
AUTO, SIZE_BASED_CLEANUP_MODE = AUTO, MAX_PLANS_PER_QUERY = 200,
WAIT_STATS_CAPTURE_MODE = ON)
ALTER DATABASE [DWDiagnostics] SET READ_WRITE
```

# Options

This section provides options information relating to the database.

## Maintenance

<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Recovery Model</b>	Simple
<b>Compatibility Level</b>	SQL Server 2025 (170)
<b>Containment Type</b>	NONE

## Automatic

<b>Auto Close</b>	False
<b>Auto Create Incremental Statistics</b>	False
<b>Auto Create Statistics</b>	True
<b>Auto Shrink</b>	False
<b>Auto Update Statistics</b>	True
<b>Auto Update Statistics Asynchronously</b>	False

## Containment

<b>Containment Type</b>	NONE
<b>Default Fulltext Language LCID</b>	1033
<b>Default Language Name</b>	English (United States)
<b>Nested Triggers</b>	True
<b>Transform Noise Words</b>	False
<b>Two Digit Year Cutoff</b>	2049

## Cursor

<b>Close Cursors On Commit Enabled</b>	False
<b>Default Cursor</b>	GLOBAL

## Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

## FILESTREAM

FILESTREAM Directory Name	
FILESTREAM Non-Transacted Access	Off

## Miscellaneous

Allow Snapshot Isolation	False
ANSI NULL Default	False
ANSI NULLS Enabled	False
ANSI Padding Enabled	False
ANSI Warnings Enabled	False
Arithmetic Abort Enabled	False
Concatenate Null Yields Null	False
Cross-database Ownership Chaining Enabled	False
Date Correlation Optimization	False
Delayed Durability	Disabled
Is Read Committed Snapshot On	False
Parameterization	Simple
Quoted Identifiers Enabled	False
Recursive Triggers Enabled	False
Trustworthy	False
VarDecimal Storage Format Enabled	True

 Recovery

Page Verify	CHECKSUM
Target Recovery Time (Seconds)	60

 Service Broker

Broker Enabled	False
Honor Broker Priority	False
Service Broker Identity	ccf693c6-46dc-455b-bceb-7e1affab2953

 State

Database Read-Only	False
Status	Normal
Encryption Enabled	False
Restrict Access	MULTI_USER

# Files

This section provides information relating to the files used by the database.

## DWDiagnostics

<b>File Type</b>	ROWS Data
<b>Primary File</b>	True
<b>Sparse</b>	False
<b>Filegroup Name</b>	PRIMARY
<b>Initial Size (MB)</b>	1,000
<b>Autogrowth</b>	By 64 MB, Limited to 10000 MB
<b>Path</b>	S:\MSSQL17.MSSQLSERVER\MSSQL\DATA
<b>Filename</b>	DWDiagnostics.mdf


## DWDiagnostics\_log

<b>File Type</b>	LOG
<b>Sparse</b>	False
<b>Initial Size (MB)</b>	72
<b>Autogrowth</b>	By 64 MB, Limited to 2097152 MB
<b>Path</b>	S:\MSSQL17.MSSQLSERVER\MSSQL\DATA
<b>Filename</b>	DWDiagnostics_log.ldf

# File Groups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.


## 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

# Stored Procedures

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.

## 3 Stored Procedures

Name	Schema	Owner
 PublishHealthStatusData	dbo	dbo
 PublishPerformanceCounterData	dbo	dbo
 UpgradeDWDiagnosics	dbo	dbo

# PublishHealthStatusData

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.





## General Settings

Schema	dbo
Owner	dbo
Date Created	Thursday, April 9, 2026 1:42:03 AM
Date Last Modified	Thursday, April 9, 2026 1:42:03 AM
System Object	False
Description	
Execution Context	Caller

## Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
For Replication	False
Recompile	False
Natively Compiled	False
Schema Bound	False

## 4 Parameters

Name	Data Type	Default Value	Direction
 @ClusterId	nvarchar(255)	NULL	Input
 @HealthStatusDataBatch	userdefinedtabletype	No Default	Input
 @PdwNodeid	int	No Default	Input
 @SourceName	nvarchar(255)	No Default	Input

## 0 Extended Properties

There are no extended properties defined for this object.

```

SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROCEDURE [dbo].[PublishHealthStatusData]
    @HealthStatusDataBatch AS HealthStatusData READONLY,
    @PdwNodeId AS INT,
    @SourceName AS nvarchar(255),
    @ClusterId AS nvarchar(255) = NULL -- Unique id of the cluster this particular
monitoring source belongs to.
AS
BEGIN

    DECLARE @SummaryOfChanges TABLE(Change NVARCHAR(255));
    DECLARE @ReadpastCount INT

    --If the particular source and cluster pair exists in the synchronization
    --table, perform the synchronized cleanup logic in the transaction
    --which ensures that only one source at a time updates the data.
    --This prevents duplicates and orphaned data since we delete everything
    --for the source in the particular cluster.
    IF EXISTS(SELECT [CustomContext.SourceName]
        FROM [pdw_component_health_data_lock] (NOLOCK)
        WHERE [CustomContext.SourceName] = @SourceName
        AND [CustomContext.ClusterId] = @ClusterId)
    BEGIN
        --Lock the rows for the duration of the transaction. This ensures that other
agent processes
        --will return 0 rows until this transaction is completed.
        SELECT @ReadpastCount = count([CustomContext.SourceName])
        FROM [pdw_component_health_data_lock] WITH (ROWLOCK, READPAST, UPDLOCK)
        WHERE [CustomContext.SourceName] = @SourceName
        AND [CustomContext.ClusterId] = @ClusterId;

        --This count is greater than 0 only if the lock
        --was acquired successfully
        IF (@ReadpastCount > 0)
        BEGIN
            --Delete all data produced from this source in the
            --particular cluster (e.g. wipe out all the failover cluster monitoring
            --data for a particular cluster)
            DELETE FROM [pdw_component_health_data]
            WHERE [CustomContext.SourceName] = @SourceName
            AND [CustomContext.ClusterId] = @ClusterId;
        END
        ELSE RETURN;
    END

    MERGE [pdw_component_health_data] WITH(TablockX) AS target
    USING(SELECT DISTINCT
        [CustomContext.SourceName],
        [CustomContext.ClusterId],
        [CustomContext.CurrentNode.Id],
        [CustomContext.Node.Id],
        [CustomContext.ComponentId],
        [CustomContext.ParentId],
        [CustomContext.InstanceId],
        [CustomContext.DetailId],
        [CustomContext.DetailValue],
        [DateTimePublished],
        [Builtin_DateTimeEntryCreated],
        [Builtin_RowId],
        [Builtin_HasData]

```

```

FROM @HealthStatusDataBatch) AS source(
    [CustomContext.SourceName],
    [CustomContext.ClusterId],
    [CustomContext.CurrentNode.Id],
    [CustomContext.Node.Id],
    [CustomContext.ComponentId],
    [CustomContext.ParentId],
    [CustomContext.InstanceId],
    [CustomContext.DetailId],
    [CustomContext.DetailValue],
    [DateTimePublished],
    [Builtin_DateTimeEntryCreated],
    [Builtin_RowId],
    [Builtin_HasData])
ON(target.[Builtin_RowId] = source.[Builtin_RowId])
WHEN MATCHED THEN
    UPDATE SET
        [CustomContext.DetailValue] = source.[CustomContext.DetailValue],
        [DateTimePublished] = source.[DateTimePublished]
WHEN NOT MATCHED BY TARGET THEN
    INSERT (
        [CustomContext.SourceName],
        [CustomContext.ClusterId],
        [CustomContext.CurrentNode.Id],
        [CustomContext.Node.Id],
        [CustomContext.ComponentId],
        [CustomContext.ParentId],
        [CustomContext.InstanceId],
        [CustomContext.DetailId],
        [CustomContext.DetailValue],
        [DateTimePublished],
        [Builtin_DateTimeEntryCreated],
        [Builtin_RowId],
        [Builtin_HasData])
    VALUES (
        source.[CustomContext.SourceName],
        source.[CustomContext.ClusterId],
        source.[CustomContext.CurrentNode.Id],
        source.[CustomContext.Node.Id],
        source.[CustomContext.ComponentId],
        source.[CustomContext.ParentId],
        source.[CustomContext.InstanceId],
        source.[CustomContext.DetailId],
        source.[CustomContext.DetailValue],
        source.[DateTimePublished],
        source.[Builtin_DateTimeEntryCreated],
        source.[Builtin_RowId],
        source.[Builtin_HasData])
WHEN NOT MATCHED BY SOURCE AND target.[CustomContext.CurrentNode.Id] =
@PdwNodeId AND target.[CustomContext.SourceName] = @SourceName THEN
    DELETE
    OUTPUT $action INTO @SummaryOfChanges;

SELECT * FROM @SummaryOfChanges;
END

```

# PublishPerformanceCounterData

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.


## General Settings

Schema	dbo
Owner	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
System Object	False
Description	
Execution Context	Caller

## Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
For Replication	False
Recompile	False
Natively Compiled	False
Schema Bound	False

## 1 Parameters

Name	Data Type	Default Value	Direction
 @PerformanceCounterDataBatch	userdefinedtabletype	No Default	Input

## 0 Extended Properties

There are no extended properties defined for this object.

```

SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROCEDURE [dbo].[PublishPerformanceCounterData]
    @PerformanceCounterDataBatch AS PerformanceCounterData READONLY
AS
BEGIN

DECLARE @SummaryOfChanges TABLE (Change NVARCHAR(255));

MERGE [pdw_performance_data] AS target
USING (SELECT DISTINCT [MachineName],
    [CustomContext.Node.Id],
    [CustomContext.CounterValue],
    [CustomContext.CounterName],
    [CustomContext.CounterCategory],
    [CustomContext.InstanceName],
    [DateTimePublished],
    [Builtin_DateTimeEntryCreated],
    [Builtin_RowId],
    [Builtin_HasData]
FROM @PerformanceCounterDataBatch) AS source ([MachineName],
    [CustomContext.Node.Id],
    [CustomContext.CounterValue],
    [CustomContext.CounterName],
    [CustomContext.CounterCategory],
    [CustomContext.InstanceName],
    [DateTimePublished],
    [Builtin_DateTimeEntryCreated],
    [Builtin_RowId],
    [Builtin_HasData])
ON(target.[Builtin_RowId] = source.[Builtin_RowId] collate
Latin1_General_100_CI_AS_KS_WS)
WHEN MATCHED THEN
    UPDATE SET
        [CustomContext.CounterValue] = source.[CustomContext.CounterValue],
        [DateTimePublished] = source.[DateTimePublished]
WHEN NOT MATCHED THEN
    INSERT ([MachineName],
        [CustomContext.Node.Id],
        [CustomContext.CounterValue],
        [CustomContext.CounterName],
        [CustomContext.CounterCategory],
        [CustomContext.InstanceName],
        [DateTimePublished],
        [Builtin_DateTimeEntryCreated],
        [Builtin_RowId],
        [Builtin_HasData])
VALUES (source.[MachineName],
    source.[CustomContext.Node.Id],
    source.[CustomContext.CounterValue],
    source.[CustomContext.CounterName],
    source.[CustomContext.CounterCategory],
    source.[CustomContext.InstanceName],
    source.[DateTimePublished],
    source.[Builtin_DateTimeEntryCreated],
    source.[Builtin_RowId],
    source.[Builtin_HasData])
OUTPUT $action INTO @SummaryOfChanges;

SELECT * FROM @SummaryOfChanges;

```

END

# UpgradeDWDiagnosics

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.



## General Settings

Schema	dbo
Owner	dbo
Date Created	Thursday, April 9, 2026 1:42:02 AM
Date Last Modified	Thursday, April 9, 2026 1:42:02 AM
System Object	False
Description	
Execution Context	Caller

## Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
For Replication	False
Recompile	False
Natively Compiled	False
Schema Bound	False

## 2 Parameters

Name	Data Type	Default Value	Direction
 @ @DatabaseName	nvarchar(MAX)	No Default	Input
 @ @StoredVer	int	No Default	Input

## 0 Extended Properties

There are no extended properties defined for this object.

```

SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROCEDURE [dbo].[UpgradeDWDiagnostics]
-- Parameters
@StoredVer INT, -- Currently stored version in the version_history table
@DatabaseName NVARCHAR(MAX) -- Name of the Database to modify. It is important to
keep this generic to accommodate both setup and Backup/Restore
AS
BEGIN
-- SET NOCOUNT ON added to prevent extra result sets from
-- interfering with SELECT statements.
SET NOCOUNT ON;

-- Constants

-- Work Variables
DECLARE @ErrorMessage NVARCHAR(MAX);
DECLARE @Sql NVARCHAR(MAX);

-----
-----
-- Validate All Input Parameters
-----
-----

-- Make sure the database exists.
PRINT 'Database name is: 'N + @DatabaseName;

if DB_ID(@DatabaseName) IS NULL
BEGIN
SET @ErrorMessage = 'ERROR: Database "'N + @DatabaseName + '" does not exist.'N
raiserror(@ErrorMessage,16,1);
return -1;
END

-- IMPORTANT!!! Specify the changes required for execution during Madison
upgrade.
-- For every NON-rerunnable change that is added, the @CurrentScriptVer value
-- needs to match the version number specified in the condition below.
-- This will guarantee that the change is only executed once.
--
-- For example, if making a change after version 1 is released, roll
@CurrentScriptVer = 2 and
-- ADD another IF block, "IF (@StoredVer < 2) BEGIN ... statements ... END"
-- On error, use raiserror to return the error back to the caller.
IF (@StoredVer < 3)
BEGIN
-- Specify NON-rerunnable changes here; i.e. the changes that should be executed
only once,
-- when this particular version of the script is executed
-- or when a fresh install is being executed

--
*****
*****
--BEGIN      Alter DWDiagnostics  [dbo].[dm_pdw_component_health_status] view
BEGIN
--
*****
*****

```

```

--Has to be wrapped in the sp_executesql since CREATE VIEW can only be the first
statement
--in the batch.
EXEC sp_executesql 'ALTER VIEW [dbo].[dm_pdw_component_health_status] ASN
SELECT
    [CustomContext.Node.Id] as [pdw_node_id],
    [CustomContext.ComponentId] as [component_id],
    [CustomContext.ParentId] as [group_id],
    [CustomContext.InstanceId] as [component_instance_id],
    [CustomContext.DetailId] as [property_id],
    CAST([CustomContext.DetailValue] AS NVARCHAR(32)) as [property_value],
    [DateTimePublished] as [update_time]
FROM [dbo].[pdw_component_health_data] (NOLOCK)
WHERE [Builtin_HasData] = 1';
--
*****
*****
--END        Alter DWDiagnostics  [dbo].[dm_pdw_component_health_status] view
END
--
*****
*****

DROP TABLE [dbo].[pdw_errors];

CREATE TABLE [dbo].[pdw_errors] (
    [MachineName] [nvarchar] (255) NOT NULL,
    [CurrentNode.Id] [int] NOT NULL,
    [CurrentNode.Type] [nvarchar] (32) NOT NULL,
    [FullName] [nvarchar] (255) NOT NULL,
    [ThreadId] [int] NOT NULL,
    [ProcessId] [int] NOT NULL,
    [ModuleName] [nvarchar] (255) NOT NULL,
    [ErrorId] [nvarchar] (36) NOT NULL,
    [Session.SessionId] [nvarchar] (32) NULL,
    [Query.QueryId] [nvarchar] (32) NULL,
    [CustomContext.SPID] [int] NULL,
    [Message] [nvarchar] (max) NULL,
    [DateTimePublished] [datetime2] (7) NOT NULL,
    [Builtin_DateTimeEntryCreated] [datetime2] (7) NOT NULL,
    [Builtin_RowId] [uniqueidentifier] NOT NULL,
    [Builtin_HasData] [bit] NOT NULL,
    CONSTRAINT [PK_pdw_errors] PRIMARY KEY CLUSTERED
    (
        [Builtin_RowId] ASC
    ) WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]
    ) ON [PRIMARY]

--Preallocate rows for the errors ring buffer
INSERT INTO [dbo].[pdw_errors]
SELECT TOP 10000 'N', 0, 'N', 'N', 0, 0, 'N', '00000000-0000-0000-0000-
000000000000', NULL, NULL, NULL, NULL, getdate(), SYSDATETIME(), newid(), 0 FROM
[dbo].[pdw_population_template]

--***** Object:  Index [IX_pdw_errors]      Script Date: 11/25/2009 11:37:20 *****
CREATE NONCLUSTERED INDEX [IX_pdw_errors] ON [dbo].[pdw_errors]
(
    [Builtin_DateTimeEntryCreated] ASC
) WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,
IGNORE_DUP_KEY = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]

```

```

END

IF (@StoredVer < 7)
BEGIN

EXEC sp_executesql 'CREATE VIEW [dbo].[dm_pdw_component_health_active_alerts]
ASN
SELECT
    alerts.pdw_node_id,
    alerts.component_id,
    alerts.component_instance_id,
    alerts.alert_id,
    alerts.alert_instance_id,
    alerts.current_value,
    alerts.previous_value,
    alerts.create_time
FROM (
    SELECT
        all_errors.pdw_node_id,
        all_errors.component_id,
        all_errors.component_instance_id,
        all_errors.alert_id,
        all_errors.alert_instance_id,
        all_errors.current_value,
        all_errors.previous_value,
        all_errors.create_time,
        all_errors.[alert_type]
    FROM (
        SELECT
            DMA.pdw_node_id,
            DMA.component_id,
            DMA.component_instance_id,
            DMA.alert_id,
            DMA.alert_instance_id,
            DMA.current_value,
            DMA.previous_value,
            DMA.create_time,
            A.severity,
            A.[type] AS [alert_type],
            RANK() OVER (PARTITION BY DMA.component_id, DMA.pdw_node_id
            ORDER BY DMA.create_time DESC) [Rank]
        FROM dbo.dm_pdw_component_health_alerts AS DMA
        JOIN dbo.pdw_health_alerts AS A
            ON A.alert_id = DMA.alert_id
            AND A.component_id = DMA.component_id
        ) all_errors
    WHERE
        all_errors.severity IN ('Error', 'Warning')
        AND all_errors.[Rank] = 1
    ) alerts
JOIN dbo.dm_pdw_component_health_status S
    ON S.pdw_node_id = alerts.pdw_node_id
    AND S.component_id = alerts.component_id
    AND S.component_instance_id = alerts.component_instance_id
JOIN [dbo].[pdw_health_component_properties] p
    ON S.property_id = p.property_id
    AND S.component_id = p.component_id
    AND p.property_name = 'Status'
WHERE
    alerts.create_time <= S.update_time
    AND ((alerts.alert_type = 'StatusChange' AND S.property_value =
alerts.current_value)
    OR (alerts.alert_type = 'Threshold'))'
END

```

```

--As part of the Alert Description changes we are introducing in R2, we need to
extend Description length
IF (@StoredVer < 10)
BEGIN
    SET @Sql = 'IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N''[dbo].[pdw_health_components_data]''))
    DROP TABLE [dbo].[pdw_health_components_data]';
    EXECUTE (@Sql);

    SET @Sql = 'CREATE TABLE [dbo].[pdw_health_components_data] (
        [CustomContext.ComponentId] [int] NOT NULL,
        [CustomContext.ParentId] [int] NOT NULL,
        [CustomContext.ComponentName] [nvarchar](255) NOT NULL,
        [CustomContext.ComponentType] [nvarchar](255) NOT NULL,
        [CustomContext.Description] [nvarchar](4000) NULL,
        [CustomContext.AlertType] [nvarchar](32) NOT NULL,
        [CustomContext.AlertState] [nvarchar](32) NOT NULL,
        [CustomContext.AlertSeverity] [nvarchar](32) NOT NULL,
        [CustomContext.AlertThresholdCondition] [nvarchar](255) NULL,
        [CustomContext.AlertThresholdConditionValue] [bit] NULL,
        [CustomContext.Status] [nvarchar](255) NULL,
        [CustomContext.ComponentWmiNamespace] [nvarchar](255) NULL,
        [CustomContext.ComponentWmiClass] [nvarchar](255) NULL,
        [CustomContext.LogicalName] [nvarchar](255) NOT NULL,
        [CustomContext.PhysicalName] [nvarchar](255) NOT NULL,
        [CustomContext.IsKeyProperty] [bit] NOT NULL,
        [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
        [Builtin_RowId] [nvarchar](255) NOT NULL,
        [Builtin_HasData] [bit] NOT NULL,
        CONSTRAINT [PK_pdw_health_components_data] PRIMARY KEY CLUSTERED
        (
            [Builtin_RowId] ASC
        ) WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]
        ) ON [PRIMARY]';
    EXECUTE (@Sql);

    SET @Sql = 'IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N''[dbo].[pdw_health_alerts]'')) AND type in (N''V''))
    DROP VIEW [dbo].[pdw_health_alerts]';
    EXECUTE (@Sql);

    SET @Sql = 'CREATE VIEW [dbo].[pdw_health_alerts] AS
    SELECT [CustomContext.ComponentId] as [alert_id]
        , [CustomContext.ParentId] as [component_id]
        , [CustomContext.ComponentName] as [alert_name]
        , [CustomContext.AlertState] as [state]
        , [CustomContext.AlertSeverity] as [severity]
        , [CustomContext.AlertType] as [type]
        , [CustomContext.Description] as [description]
        , [CustomContext.AlertThresholdCondition] as [condition]
        , CAST([CustomContext.Status] AS nvarchar(32)) as [status]
        , [CustomContext.AlertThresholdConditionValue] as [condition_value]
    FROM [dbo].[pdw_health_components_data]
    WHERE [CustomContext.ComponentType] = ''DeviceAlertElement'';
    EXECUTE (@Sql);

END

IF (@StoredVer < 13)
BEGIN

    DROP TABLE [dbo].[pdw_component_health_data];

```

```

CREATE TABLE [dbo].[pdw_component_health_data](
  [CustomContext.SourceName] [nvarchar](128) NOT NULL,
  [CustomContext.CurrentNode.Id] [int] NOT NULL,
  [CustomContext.Node.Id] [int] NOT NULL,
  [CustomContext.ComponentId] [int] NOT NULL,
  [CustomContext.ParentId] [int] NOT NULL,
  [CustomContext.InstanceId] [nvarchar](255) NOT NULL,
  [CustomContext.DetailId] [int] NOT NULL,
  [CustomContext.DetailValue] [nvarchar](255) NULL,
  [DateTimePublished] [datetime2](7) NOT NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [nvarchar](255) NOT NULL,
  [Builtin_HasData] [bit] NOT NULL,
  CONSTRAINT [PK_pdw_component_health_data] PRIMARY KEY CLUSTERED
(
  [CustomContext.SourceName] ASC,
  [CustomContext.CurrentNode.Id] ASC,
  [Builtin_RowId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]
) ON [PRIMARY]

CREATE NONCLUSTERED INDEX [IX_pdw_component_health_data] ON
[dbo].[pdw_component_health_data]
(
  [Builtin_DateTimeEntryCreated] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,
IGNORE_DUP_KEY = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]

EXEC sp_executesql 'ALTER VIEW [dbo].[dm_pdw_component_health_active_alerts] ASN
SELECT
  alerts.pdw_node_id, alerts.component_id, alerts.component_instance_id,
  alerts.alert_id, alerts.alert_instance_id, alerts.current_value,
alerts.previous_value,
  alerts.create_time
FROM (
  SELECT
    all_errors.pdw_node_id, all_errors.component_id,
all_errors.component_instance_id,
    all_errors.alert_id, all_errors.alert_instance_id,
all_errors.current_value,
    all_errors.previous_value, all_errors.create_time, all_errors.[alert_type]
  FROM (
    SELECT
      DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id,
DMA.alert_id,
      DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
      A.severity, A.[type] AS [alert_type],
      RANK() OVER (PARTITION BY DMA.pdw_node_id, DMA.component_id,
        DMA.component_instance_id, A.[type]
        ORDER BY DMA.create_time DESC) [Rank]
    FROM dbo.dm_pdw_component_health_alerts AS DMA
    JOIN dbo.pdw_health_alerts AS A
      ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
  ) all_errors
  WHERE
    all_errors.severity IN ('Error', 'Warning')
    AND all_errors.[Rank] = 1
  ) alerts
JOIN dbo.dm_pdw_component_health_status S

```

```

        ON S.pdw_node_id = alerts.pdw_node_id
        AND S.component_id = alerts.component_id
        AND S.component_instance_id = alerts.component_instance_id
JOIN [dbo].[pdw_health_component_properties] p
    ON S.property_id = p.property_id
    AND S.component_id = p.component_id
    AND p.property_name = 'Status'
WHERE
    alerts.create_time <= S.update_time
    AND ((alerts.alert_type = 'StatusChange' AND S.property_value =
alerts.current_value)
        OR (alerts.alert_type = 'Threshold'))'
END

IF (@StoredVer < 14)
BEGIN
    DELETE FROM [dbo].[pdw_health_components_data]
END

IF (@StoredVer < 17)
BEGIN
    --Change QueryId from nvarchar(32) to to nvarchar(36) because loader uses a GUID
for this value
    IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID('[dbo].[pdw_errors]') AND type in ('U','N'))
        DROP TABLE [dbo].[pdw_errors];

CREATE TABLE [dbo].[pdw_errors](
    [MachineName] [nvarchar](255) NOT NULL,
    [CurrentNode.Id] [int] NOT NULL,
    [CurrentNode.Type] [nvarchar](32) NOT NULL,
    [FullName] [nvarchar](255) NOT NULL,
    [ThreadId] [int] NOT NULL,
    [ProcessId] [int] NOT NULL,
    [ModuleName] [nvarchar](255) NOT NULL,
    [ErrorId] [nvarchar](36) NOT NULL,
    [Session.SessionId] [nvarchar](32) NULL,
    [Query.QueryId] [nvarchar](36) NULL,
    [CustomContext.SPID] [int] NULL,
    [Message] [nvarchar](max) NULL,
    [DateTimePublished] [datetime2](7) NOT NULL,
    [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
    [Builtin_RowId] [uniqueidentifier] NOT NULL,
    [Builtin_HasData] [bit] NOT NULL,
CONSTRAINT [PK_pdw_errors] PRIMARY KEY CLUSTERED
(
    [Builtin_RowId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]
) ON [PRIMARY]

--Preallocate rows for the errors ring buffer
INSERT INTO [dbo].[pdw_errors]
SELECT TOP 10000 'N', 0, 'N', 'N', 0, 0, 'N', '00000000-0000-0000-0000-
000000000000', NULL, NULL, NULL, NULL, getdate(), SYSDATETIME(), newid(), 0 FROM
[dbo].[pdw_population_template]

--***** Object: Index [IX_pdw_errors] Script Date: 11/25/2009 11:37:20 *****
CREATE NONCLUSTERED INDEX [IX_pdw_errors] ON [dbo].[pdw_errors]
(
    [Builtin_DateTimeEntryCreated] ASC

```

```

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,
IGNORE_DUP_KEY = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]

END

IF (@StoredVer < 22)
BEGIN
SET @Sql = 'IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N''[dbo].[pdw_health_components_data]''))
DROP TABLE [dbo].[pdw_health_components_data]';
EXECUTE (@Sql);

SET @Sql = 'CREATE TABLE [dbo].[pdw_health_components_data] (
[CustomContext.ComponentId] [int] NOT NULL,
[CustomContext.ParentId] [int] NOT NULL,
[CustomContext.ComponentName] [nvarchar](255) NOT NULL,
[CustomContext.ComponentType] [nvarchar](255) NOT NULL,
[CustomContext.Description] [nvarchar](4000) NULL,
[CustomContext.AlertType] [nvarchar](32) NOT NULL,
[CustomContext.AlertState] [nvarchar](32) NOT NULL,
[CustomContext.AlertSeverity] [nvarchar](32) NOT NULL,
[CustomContext.AlertThresholdCondition] [nvarchar](255) NULL,
[CustomContext.AlertThresholdConditionValue] [bit] NULL,
[CustomContext.Status] [nvarchar](255) NULL,
[CustomContext.ComponentWmiNamespace] [nvarchar](255) NULL,
[CustomContext.ComponentWmiClass] [nvarchar](MAX) NULL,
[CustomContext.LogicalName] [nvarchar](255) NOT NULL,
[CustomContext.PhysicalName] [nvarchar](255) NOT NULL,
[CustomContext.IsKeyProperty] [bit] NOT NULL,
[Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
[Builtin_RowId] [nvarchar](255) NOT NULL,
[Builtin_HasData] [bit] NOT NULL,
CONSTRAINT [PK_pdw_health_components_data] PRIMARY KEY CLUSTERED
(
[Builtin_RowId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]
) ON [PRIMARY]';
EXECUTE (@Sql);

END

IF (@StoredVer < 26)
BEGIN
EXEC sp_executesql 'ALTER VIEW [dbo].[dm_pdw_component_health_active_alerts] ASN
SELECT
alerts.pdw_node_id, alerts.component_id, alerts.component_instance_id,
alerts.alert_id, alerts.alert_instance_id, alerts.current_value,
alerts.previous_value,
alerts.create_time
FROM (
SELECT
all_errors.pdw_node_id, all_errors.component_id,
all_errors.component_instance_id,
all_errors.alert_id, all_errors.alert_instance_id,
all_errors.current_value,
all_errors.previous_value, all_errors.create_time, all_errors.[alert_type]
FROM (
SELECT
DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id,
DMA.alert_id,
DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,

```

```

        A.severity, A.[type] AS [alert_type],
        RANK() OVER (PARTITION BY DMA.pdw_node_id, DMA.component_id,
        DMA.component_instance_id, A.[type]
        ORDER BY DMA.create_time DESC) [Rank]
    FROM dbo.dm_pdw_component_health_alerts AS DMA
    JOIN dbo.pdw_health_alerts AS A
        ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
    WHERE DMA.component_id NOT IN (199080100,199080200,199080300)
    UNION
    SELECT
        DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id,
DMA.alert_id,
        DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
        A.severity, A.[type] AS [alert_type],
        RANK() OVER (PARTITION BY DMA.component_id,
        DMA.component_instance_id, A.[type]
        ORDER BY DMA.create_time DESC) [Rank]
    FROM dbo.dm_pdw_component_health_alerts AS DMA
    JOIN dbo.pdw_health_alerts AS A
        ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
    WHERE DMA.component_id IN (199080100,199080200,199080300)
) all_errors
WHERE
all_errors.severity IN ('Error', 'Warning')
AND all_errors.[Rank] = 1
) alerts
JOIN dbo.dm_pdw_component_health_status S
    ON S.pdw_node_id = alerts.pdw_node_id
    AND S.component_id = alerts.component_id
    AND S.component_instance_id = alerts.component_instance_id
JOIN [dbo].[pdw_health_component_properties] p
    ON S.property_id = p.property_id
    AND S.component_id = p.component_id
    AND p.property_name = 'Status'
WHERE
    alerts.create_time <= S.update_time
    AND ((alerts.alert_type = 'StatusChange' AND S.property_value =
alerts.current_value)
    OR (alerts.alert_type = 'Threshold'))'

```

END

```

--Adding new column to be able to distinguish monitoring sources by
--their owning cluster and a new table that will hold information about
--source/cluster associations that should be synchronizd when updating
monitoring data.

```

```

IF (@StoredVer < 31)
BEGIN

    SET @Sql = 'DELETE FROM [dbo].[pdw_component_health_data]';
    EXECUTE (@Sql);

    SET @Sql = 'ALTER TABLE [dbo].[pdw_component_health_data]
    ADD [CustomContext.ClusterId] [nvarchar](255) NOT NULL';
    EXECUTE (@Sql);

    SET @Sql = 'CREATE TABLE [dbo].[pdw_component_health_data_lock] (
    [CustomContext.SourceName] [nvarchar](255) NOT NULL,
    [CustomContext.ClusterId] [nvarchar](255) NOT NULL)';

    EXECUTE (@Sql);

    DECLARE @clusterCount INT, @clusterCountText VARCHAR(2), @monitorSourceName
NVARCHAR(32);

```

```

SET @monitorSourceName = 'Failover Cluster Health Monitor'N;
SET @clusterCount = 1;

DELETE FROM [dbo].[pdw_component_health_data_lock];

--Pre-populate compute cluster names (up to 10 clusters)
--associated with the Failover Cluster Health Monitor.
--This way we let the Health Agent know that any failover cluster
--monitoring should be synchronized such that only one Agent is allowed to
update
--data at any given time.
WHILE @clusterCount < 11
BEGIN
    SET @clusterCountText = CAST(@clusterCount AS NVARCHAR(10))

    IF @clusterCount < 10
        SET @clusterCountText = '0' + @clusterCountText

    INSERT INTO [dbo].[pdw_component_health_data_lock]
    VALUES (@monitorSourceName, UPPER(DEFAULT_DOMAIN() + '-WFOCMP'N +
@clusterCountText))

    SET @clusterCount = @clusterCount + 1;
END

--Pre-populate control cluster name
--associated with the Failover Cluster Health Monitor.
--This way we let the Health Agent know that any failover cluster
--monitoring should be synchronized such that only one Agent is allowed to
update
--data at any given time.
INSERT INTO [dbo].[pdw_component_health_data_lock]
VALUES (@monitorSourceName, UPPER(DEFAULT_DOMAIN() + '-WFOCTL01'N))

SET @Sql = 'DROP PROCEDURE [dbo].[PublishHealthStatusData]';
EXECUTE (@Sql);

SET @Sql = 'DROP TYPE [dbo].[HealthStatusData]';
EXECUTE (@Sql);

SET @Sql = 'CREATE TYPE [dbo].[HealthStatusData] AS TABLE (
    [CustomContext.SourceName] [nvarchar](255) NOT NULL,
    [CustomContext.CurrentNode.Id] [int] NOT NULL,
    [CustomContext.Node.Id] [int] NOT NULL,
    [CustomContext.ComponentId] [int] NOT NULL,
    [CustomContext.ParentId] [int] NOT NULL,
    [CustomContext.InstanceId] [nvarchar](255) NOT NULL,
    [CustomContext.DetailId] [int] NOT NULL,
    [CustomContext.DetailValue] [nvarchar](255) NULL,
    [DateTimePublished] [datetime2](7) NOT NULL,
    [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
    [Builtin_RowId] [nvarchar](255) NOT NULL,
    [Builtin_HasData] [bit] NOT NULL,
    [CustomContext.ClusterId] [nvarchar](255) NOT NULL
)';
EXECUTE (@Sql);

SET @Sql = 'CREATE PROCEDURE [dbo].[PublishHealthStatusData]
    @HealthStatusDataBatch AS HealthStatusData READONLY,
    @PdwNodeId AS INT,
    @SourceName AS nvarchar(255),
    @ClusterId AS nvarchar(255) = NULL -- Unique id of the cluster this particular
monitoring source belongs to.
AS

```

```
BEGIN
```

```
DECLARE @SummaryOfChanges TABLE(Change NVARCHAR(255));  
DECLARE @ReadpastCount INT
```

```
--If the particular source and cluster pair exists in the synchronization  
--table, perform the synchronized cleanup logic in the transaction  
--which ensures that only one source at a time updates the data.  
--This prevents duplicates and orphaned data since we delete everything  
--for the source in the particular cluster.
```

```
IF EXISTS(SELECT [CustomContext.SourceName]  
FROM [pdw_component_health_data_lock] (NOLOCK)  
WHERE [CustomContext.SourceName] = @SourceName  
AND [CustomContext.ClusterId] = @ClusterId)
```

```
BEGIN
```

```
--Lock the rows for the duration of the transaction. This ensures that other  
agent processes
```

```
--will return 0 rows until this transaction is completed.
```

```
SELECT @ReadpastCount = count([CustomContext.SourceName])  
FROM [pdw_component_health_data_lock] WITH (ROWLOCK, READPAST, UPDLOCK)  
WHERE [CustomContext.SourceName] = @SourceName  
AND [CustomContext.ClusterId] = @ClusterId;
```

```
--This count is greater than 0 only if the lock  
--was acquired successfully
```

```
IF (@ReadpastCount > 0)
```

```
BEGIN
```

```
--Delete all data produced from this source in the  
--particular cluster (e.g. wipe out all the failover cluster monitoring  
--data for a particular cluster)
```

```
DELETE FROM [pdw_component_health_data]  
WHERE [CustomContext.SourceName] = @SourceName  
AND [CustomContext.ClusterId] = @ClusterId;
```

```
END
```

```
ELSE RETURN;
```

```
END
```

```
MERGE [pdw_component_health_data] AS target  
USING (SELECT DISTINCT
```

```
[CustomContext.SourceName],  
[CustomContext.ClusterId],  
[CustomContext.CurrentNode.Id],  
[CustomContext.Node.Id],  
[CustomContext.ComponentId],  
[CustomContext.ParentId],  
[CustomContext.InstanceId],  
[CustomContext.DetailId],  
[CustomContext.DetailValue],  
[DateTimePublished],  
[Builtin_DateTimeEntryCreated],  
[Builtin_RowId],  
[Builtin_HasData]
```

```
FROM @HealthStatusDataBatch) AS source(  
[CustomContext.SourceName],  
[CustomContext.ClusterId],  
[CustomContext.CurrentNode.Id],  
[CustomContext.Node.Id],  
[CustomContext.ComponentId],  
[CustomContext.ParentId],  
[CustomContext.InstanceId],  
[CustomContext.DetailId],  
[CustomContext.DetailValue],  
[DateTimePublished],  
[Builtin_DateTimeEntryCreated],
```

```

        [Builtin_RowId],
        [Builtin_HasData])
ON(target.[Builtin_RowId] = source.[Builtin_RowId])
WHEN MATCHED THEN
    UPDATE SET
        [CustomContext.DetailValue] = source.[CustomContext.DetailValue],
        [DateTimePublished] = source.[DateTimePublished]
WHEN NOT MATCHED BY TARGET THEN
    INSERT (
        [CustomContext.SourceName],
        [CustomContext.ClusterId],
        [CustomContext.CurrentNode.Id],
        [CustomContext.Node.Id],
        [CustomContext.ComponentId],
        [CustomContext.ParentId],
        [CustomContext.InstanceId],
        [CustomContext.DetailId],
        [CustomContext.DetailValue],
        [DateTimePublished],
        [Builtin_DateTimeEntryCreated],
        [Builtin_RowId],
        [Builtin_HasData])
    VALUES (
        source.[CustomContext.SourceName],
        source.[CustomContext.ClusterId],
        source.[CustomContext.CurrentNode.Id],
        source.[CustomContext.Node.Id],
        source.[CustomContext.ComponentId],
        source.[CustomContext.ParentId],
        source.[CustomContext.InstanceId],
        source.[CustomContext.DetailId],
        source.[CustomContext.DetailValue],
        source.[DateTimePublished],
        source.[Builtin_DateTimeEntryCreated],
        source.[Builtin_RowId],
        source.[Builtin_HasData])
    WHEN NOT MATCHED BY SOURCE AND target.[CustomContext.CurrentNode.Id] =
    @PdwNodeId AND target.[CustomContext.SourceName] = @SourceName THEN
        DELETE
    OUTPUT $action INTO @SummaryOfChanges;

    SELECT * FROM @SummaryOfChanges;
END';
EXECUTE (@Sql);

-- Grant EXEC to DWDiagnositics stored procedure and user type.
GRANT EXEC ON [DWDiagnositics].dbo.PublishHealthStatusData TO
[CSDEMO\SqlServices]
GRANT EXEC ON [DWDiagnositics].dbo.PublishHealthStatusData TO [CSDEMO-
SQL01\PdwComputeNodeAccess]

GRANT EXEC ON TYPE::[dbo].[HealthStatusData] TO [CSDEMO\SqlServices]
GRANT EXEC ON TYPE::[dbo].[HealthStatusData] TO [CSDEMO-
SQL01\PdwComputeNodeAccess]
END

-- With the move to KatmaiCU3 which has the system views in the catalog combined
with the move to
-- the SQL Server security model, the schema of pdw_diag_sessions has changed to
expose the principal_id
-- instead of the owner_id. The view definition change captures the new schema.
IF (@StoredVer < 40)
BEGIN
    EXEC sp_executesql 'ALTER VIEW [dbo].[pdw_diag_sessions] ASN

```

```

SELECT
    [session_name] as [name],
    CAST([definition] AS NVARCHAR(4000)) as xml_data,
    [is_enabled] as [is_active],
    [host_address],
    SUSER_ID([owner_id]) as [principal_id],
    CAST(NULL AS int) as [database_id]
FROM [dbo].[pdw_diagnostics_sessions] (NOLOCK);'

```

```
EXEC sp_executesql 'N
```

```

IF EXISTS (SELECT object_id FROM sys.objects WHERE object_id =
OBJECT_ID(N'dbo.pdw_loader_backup_runs_data') AND type in (N'U'))
BEGIN
    IF NOT EXISTS (SELECT object_id FROM sys.columns WHERE object_id =
OBJECT_ID(N'dbo.pdw_loader_backup_runs_data') AND name =
N'CustomContext.PrincipalId')
    BEGIN
        -- If the table already exists, we need to add the CustomContext.PrincipalId
column to the table.
        ALTER TABLE [dbo].[pdw_loader_backup_runs_data] ADD
[CustomContext.PrincipalId] [int] null;
    END
END

ELSE
BEGIN

CREATE TABLE [dbo].[pdw_loader_backup_runs_data] (
    [CustomContext.Run_Id] [int] not null,
    [CustomContext.Name] [nvarchar](255) null,
    [CustomContext.Submit_Time] [datetime] null,
    [CustomContext.StartTime] [datetime] null,
    [CustomContext.End_Time] [datetime] null,
    [CustomContext.Total_Elapsed_Time] [int] null,
    [CustomContext.Operation_Type] [nvarchar](16) null,
    [CustomContext.Mode] [nvarchar](16) null,
    [CustomContext.Database] [nvarchar](255) null,
    [CustomContext.Table] [nvarchar](255) null,
    [CustomContext.PrincipalId] int null,
    [CustomContext.Session_Id] [nvarchar](255) null,
    [CustomContext.Request_Id] [nvarchar](255) null,
    [CustomContext.Status] [nvarchar](16) null,
    [CustomContext.Progress] [int] null,
    [CustomContext.Command] [nvarchar](4000) null,
    [CustomContext.Rows_Processed] [bigint] null,
    [CustomContext.Rows_Rejected] [bigint] null,
    [CustomContext.Rows_Inserted] [bigint] null,
    [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
    [Builtin_RowId] [nvarchar](255) NOT NULL,
    [Builtin_HasData] [bit] NOT NULL,
    CONSTRAINT [PK_pdw_loader_backup_runs_data] PRIMARY KEY CLUSTERED
(
    [Builtin_RowId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]
) ON [PRIMARY]

END

-- Create the index if it does not exist already
IF NOT EXISTS (SELECT object_id FROM sys.indexes WHERE object_id =
OBJECT_ID(N'dbo.pdw_loader_backup_runs_data') AND name =
N'IX_pdw_loader_backup_runs_data')

```

```

BEGIN

    CREATE NONCLUSTERED INDEX [IX_pdw_loader_backup_runs_data] ON
[dbo].[pdw_loader_backup_runs_data]
    (
        [Builtin_DateTimeEntryCreated] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,
IGNORE_DUP_KEY = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]

    END';

EXEC sp_executesql 'N

UPDATE [dbo].[pdw_loader_backup_runs_data]
SET [CustomContext.PrincipalId] = ( SELECT principal_id FROM
sys.server_principals WHERE name COLLATE Latin1_General_100_CI_AS_KS_WS =
[CustomContext.User] COLLATE Latin1_General_100_CI_AS_KS_WS)
WHERE EXISTS
    ( SELECT name FROM sys.server_principals WHERE name COLLATE
Latin1_General_100_CI_AS_KS_WS = [CustomContext.User] COLLATE
Latin1_General_100_CI_AS_KS_WS)

UPDATE [dbo].[pdw_loader_backup_runs_data]
SET [CustomContext.PrincipalId] = -1
WHERE NOT EXISTS
    ( SELECT name FROM sys.server_principals WHERE name COLLATE
Latin1_General_100_CI_AS_KS_WS = [CustomContext.User] COLLATE
Latin1_General_100_CI_AS_KS_WS)

-- VSTS 870821:
-- Check to see if the column [CustomContext.User] exists. Drop the column if it
exists because we are deprecating this column in AU3
IF EXISTS (SELECT object_id FROM sys.columns WHERE object_id =
OBJECT_ID(N'dbo.pdw_loader_backup_runs_data') AND name =
N'CustomContext.User')
BEGIN
    ALTER TABLE [dbo].[pdw_loader_backup_runs_data] DROP COLUMN
[CustomContext.User];
END';

END

-- VSTS 854490: This change updates the value that is stored in the diagnostics
session metadata. Prior to
-- this change, it stored the actual name of the login. After this change, the
value will be -1, as this column
-- is now deprecated.
IF (@StoredVer < 52)
BEGIN
    update [DWDiagnostics].[dbo].[pdw_diagnostics_sessions] set [owner_id] = null;

    exec sp_executesql 'N
ALTER VIEW [dbo].[pdw_diag_sessions] AS
SELECT
    [session_name] as [name],
    CAST([definition] AS NVARCHAR(4000)) as xml_data,
    [is_enabled] as [is_active],
    [host_address],
    -1 as [principal_id],
    CAST(NULL AS int) as [database_id]
FROM [dbo].[pdw_diagnostics_sessions] (NOLOCK)';
END

```

```

-- Specify rerunnable changes here;
-- these changes can be executed during every upgrade, not just once

IF (@StoredVer < 56)
BEGIN
exec sp_executesql 'N
ALTER VIEW [dbo].[dm_pdw_component_health_active_alerts] AS
SELECT
    alerts.pdw_node_id, alerts.component_id, alerts.component_instance_id,
    alerts.alert_id, alerts.alert_instance_id, alerts.current_value,
alerts.previous_value,
    alerts.create_time
FROM (
    SELECT
        all_errors.pdw_node_id, all_errors.component_id,
all_errors.component_instance_id,
        all_errors.alert_id, all_errors.alert_instance_id, all_errors.current_value,
        all_errors.previous_value, all_errors.create_time, all_errors.[alert_type]
    FROM (
        SELECT
            DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
            DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
            A.severity, A.[type] AS [alert_type],
            RANK() OVER (PARTITION BY DMA.pdw_node_id, DMA.component_id,
            DMA.component_instance_id, A.[type]
            ORDER BY DMA.create_time DESC) [Rank]
        FROM dbo.dm_pdw_component_health_alerts AS DMA
        JOIN dbo.pdw_health_alerts AS A
            ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
        WHERE DMA.component_id NOT IN (199080100,199080200,199080300)
        UNION
        SELECT
            DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
            DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
            A.severity, A.[type] AS [alert_type],
            RANK() OVER (PARTITION BY DMA.component_id,
            DMA.component_instance_id, A.[type]
            ORDER BY DMA.create_time DESC) [Rank]
        FROM dbo.dm_pdw_component_health_alerts AS DMA
        JOIN dbo.pdw_health_alerts AS A
            ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
        WHERE DMA.component_id IN (199080100,199080200,199080300)
    ) all_errors
    WHERE
        all_errors.severity IN ('Error', 'Warning')
        AND all_errors.[Rank] = 1
    ) alerts
JOIN dbo.dm_pdw_component_health_status S
    ON S.pdw_node_id = alerts.pdw_node_id
    AND S.component_id = alerts.component_id
    AND S.component_instance_id = alerts.component_instance_id
JOIN [dbo].[pdw_health_component_properties] p
    ON S.property_id = p.property_id
    AND S.component_id = p.component_id
    AND p.property_name = 'Status'
WHERE
    alerts.create_time <= S.update_time
    AND ((alerts.alert_type = 'StatusChange' AND S.property_value =
alerts.current_value)
    OR (alerts.alert_type = 'Threshold'))
UNION
SELECT

```

```

    alerts.pdw_node_id, alerts.component_id, alerts.component_instance_id,
    alerts.alert_id, alerts.alert_instance_id, alerts.current_value,
alerts.previous_value,
    alerts.create_time
FROM (
    SELECT
        all_errors.pdw_node_id, all_errors.component_id,
all_errors.component_instance_id,
        all_errors.alert_id, all_errors.alert_instance_id, all_errors.current_value,
        all_errors.previous_value, all_errors.create_time, all_errors.[alert_type]
FROM (
    SELECT
        DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
        A.severity, A.[type] AS [alert_type],
        RANK() OVER (PARTITION BY DMA.pdw_node_id, DMA.component_id,
        DMA.component_instance_id, A.[type]
        ORDER BY DMA.create_time DESC) [Rank]
FROM dbo.dm_pdw_component_health_alerts AS DMA
JOIN dbo.pdw_health_alerts AS A
    ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
WHERE DMA.component_id NOT IN (199080100,199080200,199080300)
UNION
    SELECT
        DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
        A.severity, A.[type] AS [alert_type],
        RANK() OVER (PARTITION BY DMA.component_id,
        DMA.component_instance_id, A.[type]
        ORDER BY DMA.create_time DESC) [Rank]
FROM dbo.dm_pdw_component_health_alerts AS DMA
JOIN dbo.pdw_health_alerts AS A
    ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
WHERE DMA.component_id IN (199080100,199080200,199080300)
) all_errors
WHERE
all_errors.severity IN ('Error', 'Warning')
AND all_errors.[Rank] = 1
) alerts
WHERE alerts.alert_id IN (100001, 100002)';
END

```

```

IF (@StoredVer < 58)
BEGIN
    exec sp_executesql 'N
    ALTER VIEW [dbo].[dm_pdw_component_health_active_alerts] AS
    SELECT
        alerts.pdw_node_id, alerts.component_id, alerts.component_instance_id,
        alerts.alert_id, alerts.alert_instance_id, alerts.current_value,
alerts.previous_value,
        alerts.create_time
FROM (
    SELECT
        all_errors.pdw_node_id, all_errors.component_id,
all_errors.component_instance_id,
        all_errors.alert_id, all_errors.alert_instance_id, all_errors.current_value,
        all_errors.previous_value, all_errors.create_time, all_errors.[alert_type]
FROM (
    SELECT
        DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,

```

```

    A.severity, A.[type] AS [alert_type],
    RANK() OVER (PARTITION BY DMA.pdw_node_id, DMA.component_id,
    DMA.component_instance_id, A.[type]
    ORDER BY DMA.create_time DESC) [Rank]
FROM dbo.dm_pdw_component_health_alerts AS DMA
JOIN dbo.pdw_health_alerts AS A
    ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
WHERE DMA.component_id NOT IN (199080100,199080200,199080300)
UNION
SELECT
    DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
    DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
    A.severity, A.[type] AS [alert_type],
    RANK() OVER (PARTITION BY DMA.component_id,
    DMA.component_instance_id, A.[type]
    ORDER BY DMA.create_time DESC) [Rank]
FROM dbo.dm_pdw_component_health_alerts AS DMA
JOIN dbo.pdw_health_alerts AS A
    ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
WHERE DMA.component_id IN (199080100,199080200,199080300)
) all_errors
WHERE
all_errors.severity IN ('Error', 'Warning')
AND all_errors.[Rank] = 1
) alerts
JOIN dbo.dm_pdw_component_health_status S
    ON S.pdw_node_id = alerts.pdw_node_id
    AND S.component_id = alerts.component_id
    AND S.component_instance_id = alerts.component_instance_id
JOIN [dbo].[pdw_health_component_properties] p
    ON S.property_id = p.property_id
    AND S.component_id = p.component_id
    AND p.property_name = 'Status'
WHERE
    alerts.create_time <= S.update_time
    AND ((alerts.alert_type = 'StatusChange' AND S.property_value =
alerts.current_value)
    OR (alerts.alert_type = 'Threshold'))';
END

IF (@StoredVer < 80)
BEGIN
    -- VSTS: 979949 - Health alerts are cached and not updated for 2-3 polling
intervals
    exec sp_executesql 'N
    ALTER VIEW [dbo].[dm_pdw_component_health_active_alerts] AS
    SELECT
        alerts.pdw_node_id, alerts.component_id, alerts.component_instance_id,
        alerts.alert_id, alerts.alert_instance_id, alerts.current_value,
alerts.previous_value,
        alerts.create_time
    FROM (
        SELECT
            all_errors.pdw_node_id, all_errors.component_id,
all_errors.component_instance_id,
            all_errors.alert_id, all_errors.alert_instance_id, all_errors.current_value,
            all_errors.previous_value, all_errors.create_time, all_errors.[alert_type]
        FROM (
            SELECT
                DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
                DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
                A.severity, A.[type] AS [alert_type],

```

```

RANK() OVER (PARTITION BY DMA.pdw_node_id, DMA.component_id,
DMA.component_instance_id, A.[type]
ORDER BY DMA.create_time DESC) [Rank]
FROM dbo.dm_pdw_component_health_alerts AS DMA
JOIN dbo.pdw_health_alerts AS A
ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
WHERE DMA.component_id NOT IN (199080100,199080200,199080300)
UNION
SELECT
DMA.pdw_node_id, DMA.component_id, DMA.component_instance_id, DMA.alert_id,
DMA.alert_instance_id, DMA.current_value, DMA.previous_value,
DMA.create_time,
A.severity, A.[type] AS [alert_type],
RANK() OVER (PARTITION BY DMA.component_id,
DMA.component_instance_id, A.[type]
ORDER BY DMA.create_time DESC) [Rank]
FROM dbo.dm_pdw_component_health_alerts AS DMA
JOIN dbo.pdw_health_alerts AS A
ON A.alert_id = DMA.alert_id AND A.component_id = DMA.component_id
WHERE DMA.component_id IN (199080100,199080200,199080300)
) all_errors
WHERE
all_errors.severity IN ('Error', 'Warning')
AND all_errors.[Rank] = 1
) alerts
JOIN dbo.dm_pdw_component_health_status S
ON S.pdw_node_id = alerts.pdw_node_id
AND S.component_id = alerts.component_id
AND S.component_instance_id = alerts.component_instance_id
JOIN [dbo].[pdw_health_component_properties] p
ON S.property_id = p.property_id
AND S.component_id = p.component_id
AND p.property_name = 'Status'
WHERE
DATEADD(ms, -DATEPART(ms, alerts.create_time), alerts.create_time) <=
DATEADD(ms, -DATEPART(ms, S.update_time), S.update_time)
AND ((alerts.alert_type = 'StatusChange' AND S.property_value =
alerts.current_value)
OR (alerts.alert_type = 'Threshold'))';
END

-- Re-create index on the different columns to avoid inefficiency in publishing
health data on large appliance
-- Modify PublishHealthStatusData stored procedure to acquire TablelockX lock
before MERGE statement
IF (@StoredVer < 104)
BEGIN

SET @Sql = 'ALTER TABLE [dbo].[pdw_component_health_data] DROP CONSTRAINT
[PK_pdw_component_health_data]';
EXECUTE (@Sql);

SET @Sql = 'ALTER TABLE [dbo].[pdw_component_health_data] ADD CONSTRAINT
[PK_pdw_component_health_data] PRIMARY KEY CLUSTERED
(
[Builtin_RowId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,
IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = OFF)';
EXECUTE (@Sql);

SET @Sql = 'DROP INDEX IF EXISTS [IX_pdw_component_health_data_SourceNameNodeId]
ON [dbo].[pdw_component_health_data]

```

```

CREATE NONCLUSTERED INDEX [IX_pdw_component_health_data_SourceNameNodeId] ON
[dbo].[pdw_component_health_data]
(
    [CustomContext.SourceName] ASC,
    [CustomContext.CurrentNode.Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,
IGNORE_DUP_KEY = OFF,DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = OFF) ON [PRIMARY]';
EXECUTE (@Sql);

SET @Sql = 'ALTER PROCEDURE [dbo].[PublishHealthStatusData]
@HealthStatusDataBatch AS HealthStatusData READONLY,
@PdwNodeId AS INT,
@SourceName AS nvarchar(255),
@ClusterId AS nvarchar(255) = NULL -- Unique id of the cluster this particular
monitoring source belongs to.
AS
BEGIN

DECLARE @SummaryOfChanges TABLE(Change NVARCHAR(255));
DECLARE @ReadpastCount INT

--If the particular source and cluster pair exists in the synchronization
--table, perform the synchronized cleanup logic in the transaction
--which ensures that only one source at a time updates the data.
--This prevents duplicates and orphaned data since we delete everything
--for the source in the particular cluster.
IF EXISTS(SELECT [CustomContext.SourceName]
FROM [pdw_component_health_data_lock] (NOLOCK)
WHERE [CustomContext.SourceName] = @SourceName
AND [CustomContext.ClusterId] = @ClusterId)
BEGIN
    --Lock the rows for the duration of the transaction. This ensures that other
agent processes
    --will return 0 rows until this transaction is completed.
    SELECT @ReadpastCount = count([CustomContext.SourceName])
    FROM [pdw_component_health_data_lock] WITH (ROWLOCK, READPAST, UPDLOCK)
    WHERE [CustomContext.SourceName] = @SourceName
    AND [CustomContext.ClusterId] = @ClusterId;

    --This count is greater than 0 only if the lock
    --was acquired successfully
    IF (@ReadpastCount > 0)
    BEGIN
        --Delete all data produced from this source in the
        --particular cluster (e.g. wipe out all the failover cluster monitoring
        --data for a particular cluster)
        DELETE FROM [pdw_component_health_data]
        WHERE [CustomContext.SourceName] = @SourceName
        AND [CustomContext.ClusterId] = @ClusterId;
    END
    ELSE RETURN;
END

MERGE [pdw_component_health_data] WITH(TablockX) AS target
USING(SELECT DISTINCT
    [CustomContext.SourceName],
    [CustomContext.ClusterId],
    [CustomContext.CurrentNode.Id],
    [CustomContext.Node.Id],
    [CustomContext.ComponentId],
    [CustomContext.ParentId],
    [CustomContext.InstanceId],
    [CustomContext.DetailId],

```

```

[CustomContext.DetailValue],
[DateTimePublished],
[Builtin_DateTimeEntryCreated],
[Builtin_RowId],
[Builtin_HasData]
FROM @HealthStatusDataBatch) AS source(
    [CustomContext.SourceName],
    [CustomContext.ClusterId],
    [CustomContext.CurrentNode.Id],
    [CustomContext.Node.Id],
    [CustomContext.ComponentId],
    [CustomContext.ParentId],
    [CustomContext.InstanceId],
    [CustomContext.DetailId],
    [CustomContext.DetailValue],
    [DateTimePublished],
    [Builtin_DateTimeEntryCreated],
    [Builtin_RowId],
    [Builtin_HasData])
ON(target.[Builtin_RowId] = source.[Builtin_RowId])
WHEN MATCHED THEN
    UPDATE SET
        [CustomContext.DetailValue] = source.[CustomContext.DetailValue],
        [DateTimePublished] = source.[DateTimePublished]
WHEN NOT MATCHED BY TARGET THEN
    INSERT (
        [CustomContext.SourceName],
        [CustomContext.ClusterId],
        [CustomContext.CurrentNode.Id],
        [CustomContext.Node.Id],
        [CustomContext.ComponentId],
        [CustomContext.ParentId],
        [CustomContext.InstanceId],
        [CustomContext.DetailId],
        [CustomContext.DetailValue],
        [DateTimePublished],
        [Builtin_DateTimeEntryCreated],
        [Builtin_RowId],
        [Builtin_HasData])
    VALUES (
        source.[CustomContext.SourceName],
        source.[CustomContext.ClusterId],
        source.[CustomContext.CurrentNode.Id],
        source.[CustomContext.Node.Id],
        source.[CustomContext.ComponentId],
        source.[CustomContext.ParentId],
        source.[CustomContext.InstanceId],
        source.[CustomContext.DetailId],
        source.[CustomContext.DetailValue],
        source.[DateTimePublished],
        source.[Builtin_DateTimeEntryCreated],
        source.[Builtin_RowId],
        source.[Builtin_HasData])
WHEN NOT MATCHED BY SOURCE AND target.[CustomContext.CurrentNode.Id] =
@PdwNodeId AND target.[CustomContext.SourceName] = @SourceName THEN
    DELETE
    OUTPUT $action INTO @SummaryOfChanges;

SELECT * FROM @SummaryOfChanges;
END';
EXECUTE (@Sql);
END













END

```

# Tables

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## 12 Tables

Name	Schema	Collation	Description
 pdw_component_alerts_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_component_health_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_component_health_data_lock	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_diagnostics_sessions	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_errors	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_health_components_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_loader_backup_run_details_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_loader_backup_runs_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_loader_run_stages_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_os_event_logs	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_performance_data	dbo	Latin1_General_100_CI_AS_KS_WS	
 pdw_population_template	dbo	Latin1_General_100_CI_AS_KS_WS	

# pdw\_component\_alerts\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLS	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	10,000

 **0 Extended Properties**












There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_component_alerts_data] (
  [CustomContext.Node.Id] [int] NOT NULL,
  [CustomContext.InstanceId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.ComponentInstanceId] [nvarchar](255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.AlertId] [int] NOT NULL,
  [CustomContext.ParentId] [int] NOT NULL,
  [CustomContext.CurrentValue] [nvarchar](255) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.PreviousValue] [nvarchar](255) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [DateTimePublished] [datetime2](7) NOT NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [uniqueidentifier] NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 11 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	uniqueidentifier	False
 CustomContext.AlertId	int	False
 CustomContext.ComponentInstanceId	nvarchar(255)	False
 CustomContext.CurrentValue	nvarchar(255)	True
 CustomContext.InstanceId	nvarchar(255)	False
 CustomContext.Node.Id	int	False
 CustomContext.ParentId	int	False
 CustomContext.PreviousValue	nvarchar(255)	True
 DateTimePublished	datetime2(7)	False

## Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	False
<b>Collation</b>	
<b>Computed Text</b>	
<b>Data Type</b>	uniqueidentifier
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	True
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

### Identity

<b>Identity</b>	False
-----------------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.AlertId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentInstanceId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.CurrentValue

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.InstanceId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Node.Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ParentId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## CustomContext.PreviousValue

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# DateTimePublished

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

 **0 Foreign Keys**

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_component\_health\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:42:03 AM
Date Last Modified	Thursday, April 9, 2026 1:42:03 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**

There are no extended properties defined for this object.

```














SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_component_health_data] (
  [CustomContext.SourceName] [nvarchar](128) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.CurrentNode.Id] [int] NOT NULL,
  [CustomContext.Node.Id] [int] NOT NULL,
  [CustomContext.ComponentId] [int] NOT NULL,
  [CustomContext.ParentId] [int] NOT NULL,
  [CustomContext.InstanceId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.DetailId] [int] NOT NULL,
  [CustomContext.DetailValue] [nvarchar](255) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [DateTimePublished] [datetime2](7) NOT NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Builtin_HasData] [bit] NOT NULL,
  [CustomContext.ClusterId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL
) ON [PRIMARY]

```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 13 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	nvarchar(255)	False
 CustomContext.ClusterId	nvarchar(255)	False
 CustomContext.ComponentId	int	False
 CustomContext.CurrentNode.Id	int	False
 CustomContext.DetailId	int	False
 CustomContext.DetailValue	nvarchar(255)	True
 CustomContext.InstanceId	nvarchar(255)	False
 CustomContext.Node.Id	int	False
 CustomContext.ParentId	int	False
 CustomContext.SourceName	nvarchar(128)	False
 DateTimePublished	datetime2(7)	False

# Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ClusterId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.CurrentNode.Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.DetailId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.DetailValue

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.InstanceId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Node.Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ParentId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.SourceName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(128)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# DateTimePublished

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_component\_health\_data\_lock

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:42:03 AM
Date Last Modified	Thursday, April 9, 2026 1:42:03 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	11

 **0 Extended Properties**

There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_component_health_data_lock] (
  [CustomContext.SourceName] [nvarchar] (255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.ClusterId] [nvarchar] (255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

 **2 Columns**

Name	Data Type	Allow Nulls
 CustomContext.ClusterId	nvarchar(255)	False
 CustomContext.SourceName	nvarchar(255)	False

# CustomContext.ClusterId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.SourceName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

 **0 Foreign Keys**

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_diagnostics\_sessions

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**







There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_diagnostics_sessions] (
  [session_name] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [definition] [nvarchar](max) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [host_address] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [owner_id] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [table_name] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [is_enabled] [bit] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 6 Columns

Name	Data Type	Allow Nulls
 definition	nvarchar(MAX)	False
 host_address	nvarchar(255)	False
 is_enabled	bit	False
 owner_id	nvarchar(255)	True
 session_name	nvarchar(255)	False
 table_name	nvarchar(255)	False

## definition

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(MAX)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

### Identity

<b>Identity</b>	False
-----------------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# host\_address

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## is\_enabled

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	False
<b>Collation</b>	
<b>Computed Text</b>	
<b>Data Type</b>	bit
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

### Identity

<b>Identity</b>	False
-----------------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# owner\_id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## session\_name

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# table\_name

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_errors

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:42:03 AM
Date Last Modified	Thursday, April 9, 2026 1:42:03 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	10,000

 **0 Extended Properties**

There are no extended properties defined for this object.

```

















SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_errors](
  [MachineName] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CurrentNode.Id] [int] NOT NULL,
  [CurrentNode.Type] [nvarchar](32) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [FullName] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [ThreadId] [int] NOT NULL,
  [ProcessId] [int] NOT NULL,
  [ModuleName] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [ErrorId] [nvarchar](36) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Session.SessionId] [nvarchar](32) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [Query.QueryId] [nvarchar](36) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.SPID] [int] NULL,
  [Message] [nvarchar](max) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [DateTimePublished] [datetime2](7) NOT NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [uniqueidentifier] NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 16 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	uniqueidentifier	False
 CurrentNode.Id	int	False
 CurrentNode.Type	nvarchar(32)	False
 CustomContext.SPID	int	True
 DateTimePublished	datetime2(7)	False
 ErrorId	nvarchar(36)	False
 FullName	nvarchar(255)	False
 MachineName	nvarchar(255)	False
 Message	nvarchar(MAX)	True
 ModuleName	nvarchar(255)	False
 ProcessId	int	False
 Query.QueryId	nvarchar(36)	True
 Session.SessionId	nvarchar(32)	True
 ThreadId	int	False

# Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	False
<b>Collation</b>	
<b>Computed Text</b>	
<b>Data Type</b>	uniqueidentifier
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	True
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

### Identity

<b>Identity</b>	False
-----------------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CurrentNode.Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CurrentNode.Type

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(32)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.SPID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# DateTimePublished

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# ErrorId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(36)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# FullName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# MachineName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Message

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	True
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(MAX)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# ModuleName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# ProcessId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Query.QueryId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(36)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Session.SessionId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	True
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(32)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# ThreadId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	False
<b>Collation</b>	
<b>Computed Text</b>	
<b>Data Type</b>	int
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_health\_components\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:42:03 AM
Date Last Modified	Thursday, April 9, 2026 1:42:03 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**

There are no extended properties defined for this object.

```




















SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_health_components_data] (
  [CustomContext.ComponentId] [int] NOT NULL,
  [CustomContext.ParentId] [int] NOT NULL,
  [CustomContext.ComponentName] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.ComponentType] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.Description] [nvarchar] (4000) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.AlertType] [nvarchar] (32) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.AlertState] [nvarchar] (32) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.AlertSeverity] [nvarchar] (32) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.AlertThresholdCondition] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.AlertThresholdConditionValue] [bit] NULL,
  [CustomContext.Status] [nvarchar] (255) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.ComponentWmiNamespace] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.ComponentWmiClass] [nvarchar] (max) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.LogicalName] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.PhysicalName] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.IsKeyProperty] [bit] NOT NULL,
  [Builtin_DateTimeEntryCreated] [datetime2] (7) NOT NULL,
  [Builtin_RowId] [nvarchar] (255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 19 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	nvarchar(255)	False
 CustomContext.AlertSeverity	nvarchar(32)	False
 CustomContext.AlertState	nvarchar(32)	False
 CustomContext.AlertThresholdCondition	nvarchar(255)	True
 CustomContext.AlertThresholdConditionValue	bit	True
 CustomContext.AlertType	nvarchar(32)	False
 CustomContext.ComponentId	int	False
 CustomContext.ComponentName	nvarchar(255)	False
 CustomContext.ComponentType	nvarchar(255)	False
 CustomContext.ComponentWmiClass	nvarchar(MAX)	True
 CustomContext.ComponentWmiNamespace	nvarchar(255)	True
 CustomContext.Description	nvarchar(4000)	True
 CustomContext.IsKeyProperty	bit	False
 CustomContext.LogicalName	nvarchar(255)	False
 CustomContext.ParentId	int	False
 CustomContext.PhysicalName	nvarchar(255)	False
 CustomContext.Status	nvarchar(255)	True

## Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.AlertSeverity

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(32)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.AlertState

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(32)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.AlertThresholdCondition

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.AlertThresholdConditionValue

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.AlertType

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(32)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentType

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentWmiClass

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(MAX)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ComponentWmiNamespace

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Description

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(4000)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.IsKeyProperty

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.LogicalName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.ParentId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.PhysicalName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Status

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

 **0 Foreign Keys**

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_loader\_backup\_run\_details\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**











There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_loader_backup_run_details_data] (
  [CustomContext.Run_Id] [int] NOT NULL,
  [CustomContext.Pdw_Node_Id] [int] NOT NULL,
  [CustomContext.Status] [nvarchar](16) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Start_Time] [datetime] NULL,
  [CustomContext.End_Time] [datetime] NULL,
  [CustomContext.Total_Elapsed_time] [int] NULL,
  [CustomContext.Progress] [int] NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 10 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	nvarchar(255)	False
 CustomContext.End_Time	datetime	True
 CustomContext.Pdw_Node_Id	int	False
 CustomContext.Progress	int	True
 CustomContext.Run_Id	int	False
 CustomContext.Start_Time	datetime	True
 CustomContext.Status	nvarchar(16)	True
 CustomContext.Total_Elapsed_time	int	True

# Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.End\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Pdw\_Node\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Progress

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Run\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Start\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Status

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(16)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Total\_Elapsed\_time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_loader\_backup\_runs\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:42:03 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**























There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_loader_backup_runs_data] (
  [CustomContext.Run_Id] [int] NOT NULL,
  [CustomContext.Name] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.Submit_Time] [datetime] NULL,
  [CustomContext.StartTime] [datetime] NULL,
  [CustomContext.End_Time] [datetime] NULL,
  [CustomContext.Total_Elapsed_Time] [int] NULL,
  [CustomContext.Operation_Type] [nvarchar](16) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.Mode] [nvarchar](16) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.Database] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Table] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Session_Id] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Request_Id] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Status] [nvarchar](16) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Progress] [int] NULL,
  [CustomContext.Command] [nvarchar](4000) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Rows_Processed] [bigint] NULL,
  [CustomContext.Rows_Rejected] [bigint] NULL,
  [CustomContext.Rows_Inserted] [bigint] NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Builtin_HasData] [bit] NOT NULL,
  [CustomContext.PrincipalId] [int] NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 22 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	nvarchar(255)	False
 CustomContext.Command	nvarchar(4000)	True
 CustomContext.Database	nvarchar(255)	True
 CustomContext.End_Time	datetime	True
 CustomContext.Mode	nvarchar(16)	True
 CustomContext.Name	nvarchar(255)	True
 CustomContext.Operation_Type	nvarchar(16)	True
 CustomContext.PrincipalId	int	True
 CustomContext.Progress	int	True
 CustomContext.Request_Id	nvarchar(255)	True
 CustomContext.Rows_Inserted	bigint	True
 CustomContext.Rows_Processed	bigint	True
 CustomContext.Rows_Rejected	bigint	True
 CustomContext.Run_Id	int	False
 CustomContext.Session_Id	nvarchar(255)	True
 CustomContext.StartTime	datetime	True
 CustomContext.Status	nvarchar(16)	True
 CustomContext.Submit_Time	datetime	True
 CustomContext.Table	nvarchar(255)	True
 CustomContext.Total_Elapsed_Time	int	True

# Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Command

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(4000)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Database

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.End\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Mode

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(16)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Name

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Operation\_Type

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(16)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.PrincipalId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Progress

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Request\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Rows\_Inserted

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bigint
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Rows\_Processed

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bigint
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Rows\_Rejected

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bigint
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Run\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Session\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.StartTime

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Status

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(16)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Submit\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Table

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Total\_Elapsed\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_loader\_run\_stages\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**











There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_loader_run_stages_data] (
  [CustomContext.Run_Id] [int] NOT NULL,
  [CustomContext.Stage] [nvarchar](30) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [CustomContext.Request_Id] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Status] [nvarchar](16) COLLATE Latin1_General_100_CI_AS_KS_WS
NULL,
  [CustomContext.Start_Time] [datetime] NULL,
  [CustomContext.End_Time] [datetime] NULL,
  [CustomContext.Total_Elapsed_time] [int] NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 10 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	nvarchar(255)	False
 CustomContext.End_Time	datetime	True
 CustomContext.Request_Id	nvarchar(255)	True
 CustomContext.Run_Id	int	False
 CustomContext.Stage	nvarchar(30)	True
 CustomContext.Start_Time	datetime	True
 CustomContext.Status	nvarchar(16)	True
 CustomContext.Total_Elapsed_time	int	True

# Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	True
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.	
---	--

# CustomContext.End\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Request\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	True
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Run\_Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## CustomContext.Stage

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

<b>Allow Nulls</b>	True
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(30)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

### Identity

<b>Identity</b>	False
-----------------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Start\_Time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	True
<b>ANSI Padding Status</b>	False
<b>Collation</b>	
<b>Computed Text</b>	
<b>Data Type</b>	datetime
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Status

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(16)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Total\_Elapsed\_time

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

 **0 Foreign Keys**

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_os\_event\_logs

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	10,000

 **0 Extended Properties**

There are no extended properties defined for this object.

```














SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_os_event_logs](
  [MachineName] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CurrentNode.Id] [int] NOT NULL,
  [CurrentNode.Type] [nvarchar](32) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.LogName] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.SourceName] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.EntryId] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.EntryType] [nvarchar](255) COLLATE Latin1_General_100_CI_AS_KS_WS
NOT NULL,
  [CustomContext.TimeGeneated] [datetime2](7) NOT NULL,
  [CustomContext.TimeWritten] [datetime2](7) NOT NULL,
  [Message] [nvarchar](max) COLLATE Latin1_General_100_CI_AS_KS_WS NULL,
  [Builtin_DateTimeEntryCreated] [datetime2](7) NOT NULL,
  [Builtin_RowId] [uniqueidentifier] NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 13 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	uniqueidentifier	False
 CurrentNode.Id	int	False
 CurrentNode.Type	nvarchar(32)	False
 CustomContext.EntryId	nvarchar(255)	False
 CustomContext.EntryType	nvarchar(255)	False
 CustomContext.LogName	nvarchar(255)	False
 CustomContext.SourceName	nvarchar(255)	False
 CustomContext.TimeGeneated	datetime2(7)	False
 CustomContext.TimeWritten	datetime2(7)	False
 MachineName	nvarchar(255)	False
 Message	nvarchar(MAX)	True

# Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	False
<b>Collation</b>	
<b>Computed Text</b>	
<b>Data Type</b>	uniqueidentifier
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	True
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

### Identity

<b>Identity</b>	False
-----------------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CurrentNode.Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CurrentNode.Type

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(32)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.EntryId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.EntryType

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.LogName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.SourceName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.TimeGeneated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.TimeWritten

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# MachineName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Message

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	True
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(MAX)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
-----------------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_performance\_data

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

 **0 Extended Properties**











There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_performance_data] (
  [MachineName] [nvarchar] (255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.Node.Id] [int] NOT NULL,
  [CustomContext.CounterValue] [float] NOT NULL,
  [CustomContext.CounterName] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.CounterCategory] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [CustomContext.InstanceName] [nvarchar] (255) COLLATE
Latin1_General_100_CI_AS_KS_WS NULL,
  [DateTimePublished] [datetime2] (7) NOT NULL,
  [Builtin_DateTimeEntryCreated] [datetime2] (7) NOT NULL,
  [Builtin_RowId] [nvarchar] (255) COLLATE Latin1_General_100_CI_AS_KS_WS NOT NULL,
  [Builtin_HasData] [bit] NOT NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## 10 Columns

Name	Data Type	Allow Nulls
 Builtin_DateTimeEntryCreated	datetime2(7)	False
 Builtin_HasData	bit	False
 Builtin_RowId	nvarchar(255)	False
 CustomContext.CounterCategory	nvarchar(255)	False
 CustomContext.CounterName	nvarchar(255)	False
 CustomContext.CounterValue	float	False
 CustomContext.InstanceName	nvarchar(255)	True
 CustomContext.Node.Id	int	False
 DateTimePublished	datetime2(7)	False
 MachineName	nvarchar(255)	False

## Builtin\_DateTimeEntryCreated

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_HasData

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

## Builtin\_RowId

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.CounterCategory

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.CounterName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.CounterValue

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	float
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.InstanceName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	True
Collation	Latin1_General_100_CI_AS_KS_WS
Computed Text	
Data Type	nvarchar(255)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# CustomContext.Node.Id

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# DateTimePublished

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime2(7)
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# MachineName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

<b>Allow Nulls</b>	False
<b>ANSI Padding Status</b>	True
<b>Collation</b>	Latin1_General_100_CI_AS_KS_WS
<b>Computed Text</b>	
<b>Data Type</b>	nvarchar(255)
<b>Default Schema</b>	
<b>Default Value Or Binding</b>	
<b>Description</b>	
<b>Primary Key</b>	False
<b>Is Columnset</b>	False
<b>Computed</b>	False
<b>Deterministic</b>	False
<b>Foreign Key</b>	False
<b>Full-Text Indexed</b>	False
<b>Is Hidden</b>	False
<b>IsSparse</b>	False
<b>Not For Replication</b>	False

## Identity

<b>Identity</b>	False
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## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# pdw\_population\_template

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
Description	
System Object	False
Collation	Latin1_General_100_CI_AS_KS_WS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking


Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	12,800

 **0 Extended Properties**


There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[pdw_population_template] (
  [temp_col] [bit] NULL
) ON [PRIMARY]
```

# Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

 1 Columns

Name	Data Type	Allow Nulls
 temp_col	bit	True

# temp\_col

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

## General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	bit
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

## Identity

Identity	False
----------	-------

## 0 Extended Properties

There are no extended properties defined for this object.

# Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

## 0 Foreign Keys

There are no foreign keys defined.

# Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

 **0 Triggers**

There are no triggers defined.

# User Defined Functions

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.

## 0 User Defined Functions

There are no user defined functions defined.

# Views

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

## ☒ 10 Views

Name	Schema	Owner
☒ dm_pdw_component_health_active_alerts	dbo	dbo
☒ dm_pdw_component_health_alerts	dbo	dbo
☒ dm_pdw_component_health_status	dbo	dbo
☒ dm_pdw_os_performance_counters	dbo	dbo
☒ pdw_diag_sessions	dbo	dbo
☒ pdw_health_alerts	dbo	dbo
☒ pdw_health_component_groups	dbo	dbo
☒ pdw_health_component_properties	dbo	dbo
☒ pdw_health_component_status_mappings	dbo	dbo
☒ pdw_health_components	dbo	dbo

# dm\_pdw\_component\_health\_active\_alerts

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.









## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:42:03 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:42:03 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLs</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 8 Columns

Name	Data Type	Allow Nulls
 alert_id	int	False
 alert_instance_id	nvarchar(255)	False
 component_id	int	False
 component_instance_id	nvarchar(255)	False
 create_time	datetime2(7)	False
 current_value	nvarchar(255)	True
 pdw_node_id	int	False
 previous_value	nvarchar(255)	True

## 0 Extended Properties

There are no extended properties defined for this object.

# dm\_pdw\_component\_health\_alerts

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.









## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:41:59 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 8 Columns

Name	Data Type	Allow Nulls
 alert_id	int	False
 alert_instance_id	nvarchar(255)	False
 component_id	int	False
 component_instance_id	nvarchar(255)	False
 create_time	datetime2(7)	False
 current_value	nvarchar(255)	True
 pdw_node_id	int	False
 previous_value	nvarchar(255)	True

## 0 Extended Properties

There are no extended properties defined for this object.

# dm\_pdw\_component\_health\_status

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.








## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:42:03 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 7 Columns

Name	Data Type	Allow Nulls
 component_id	int	False
 component_instance_id	nvarchar(255)	False
 group_id	int	False
 pdw_node_id	int	False
 property_id	int	False
 property_value	nvarchar(32)	True
 update_time	datetime2(7)	False

## 0 Extended Properties

There are no extended properties defined for this object.

# dm\_pdw\_os\_performance\_counters

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.








## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:41:59 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 7 Columns

Name	Data Type	Allow Nulls
 counter_category	nvarchar(255)	False
 counter_name	nvarchar(255)	False
 counter_value	float	False
 instance_name	nvarchar(255)	True
 last_update_time	datetime2(7)	False
 machine_name	nvarchar(255)	False
 pdw_node_id	int	False

## 0 Extended Properties

There are no extended properties defined for this object.

# pdw\_diag\_sessions

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.







## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:42:03 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 6 Columns

Name	Data Type	Allow Nulls
 database_id	int	True
 host_address	nvarchar(255)	False
 is_active	bit	False
 name	nvarchar(255)	False
 principal_id	int	False
 xml_data	nvarchar(4000)	True

## 0 Extended Properties

There are no extended properties defined for this object.

# pdw\_health\_alerts

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.











## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:42:03 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:42:03 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 10 Columns

Name	Data Type	Allow Nulls
 alert_id	int	False
 alert_name	nvarchar(255)	False
 component_id	int	False
 condition	nvarchar(255)	True
 condition_value	bit	True
 description	nvarchar(4000)	True
 severity	nvarchar(32)	False
 state	nvarchar(32)	False
 status	nvarchar(32)	True
 type	nvarchar(32)	False

## 0 Extended Properties

There are no extended properties defined for this object.

# pdw\_health\_component\_groups

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:41:59 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 2 Columns

Name	Data Type	Allow Nulls
 group_id	int	False
 group_name	nvarchar(255)	False

## 0 Extended Properties

There are no extended properties defined for this object.

# pdw\_health\_component\_properties

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.






## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:41:59 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 5 Columns

Name	Data Type	Allow Nulls
 component_id	int	False
 is_key	bit	False
 physical_name	nvarchar(255)	False
 property_id	int	False
 property_name	nvarchar(255)	False

## 0 Extended Properties

There are no extended properties defined for this object.

# pdw\_health\_component\_status\_mappings

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.





## General Settings

<b>Date Created</b>	Thursday, April 9, 2026 1:41:59 AM
<b>Date Last Modified</b>	Thursday, April 9, 2026 1:41:59 AM
<b>System Object</b>	False
<b>Owner</b>	dbo
<b>Schema</b>	dbo

## Options

<b>ANSI NULLS</b>	True
<b>Encrypted</b>	False
<b>Quoted Identifier</b>	True
<b>Schema Bound</b>	False

## 4 Columns

Name	Data Type	Allow Nulls
 component_id	int	False
 logical_name	nvarchar(255)	True
 physical_name	nvarchar(255)	False
 property_id	int	False

## 0 Extended Properties

There are no extended properties defined for this object.

# pdw\_health\_components

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.




## General Settings

Date Created	Thursday, April 9, 2026 1:41:59 AM
Date Last Modified	Thursday, April 9, 2026 1:41:59 AM
System Object	False
Owner	dbo
Schema	dbo

## Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
Schema Bound	False

## 3 Columns

Name	Data Type	Allow Nulls
 component_id	int	False
 component_name	nvarchar(255)	False
 group_id	int	False

## 0 Extended Properties

There are no extended properties defined for this object.

## About XIA Configuration

XIA Configuration is an IT infrastructure audit and documentation tool that automates the process of collecting and documenting network configurations.