Active Directory Domain Documentation

europe.contoso.com

Company Confidential

|  |
| --- |
| Document Properties |
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# General Information

Provides general information for this item.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General Information |

 |
| Name | europe.contoso.com |
| Description | An example child domain. |
| Primary Owner Name | Technical Support |
| Primary Owner Contact | support@contoso.com |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | System Information |

 |
| Item Path | Contoso |
| Identifier | b8a1a01a-c257-44d4-b909-9694d470ac8d |
| Item ID | 1046 |
| Version ID | 1.04 |
| Check Out Status | Available |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Custom Item Details |

 |

This is a demonstration Active Directory domain.

## Relationships

Provides a summary of the relationships between this item and other items in the environment.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 6 Relationships |

 |
| Item ID | Direction | Name | Type | Relationship Type |
|

|  |  |
| --- | --- |
|  | 1045 |

 | Outbound | DC-EU-2K22 | Windows Server | Hosted On |
|

|  |  |
| --- | --- |
|  | 1000 |

 | Outbound | Contoso | Container | Contained Within |
|

|  |  |
| --- | --- |
|  | 1004 |

 | Outbound | contoso.com | Active Directory Domain | Domain Trust Relationship |
|

|  |  |
| --- | --- |
|  | 1004 |

 | Outbound | contoso.com | Active Directory Domain | Domain Trust Relationship |
|

|  |  |
| --- | --- |
|  | 1043 |

 | Outbound | northwind.com | Active Directory Domain | Domain Trust Relationship |
|

|  |  |
| --- | --- |
|  | 1044 |

 | Outbound | uk.europe.contoso.com | Active Directory Domain | Domain Trust Relationship |

## Relationship Map

This section provides a visualization of the relationships between this item and other items in the system.



# Domain

Active Directory Domain Services (AD DS), provides the methods for storing directory data and making this data available to network users and administrators.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | An example child domain. |
| Child Domain Names | uk.europe.contoso.com |
| Domain Functional Level | Windows Server 2016 |
| Last Logon Replication Interval | System Default |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Identifiers |

 |
| Domain Name | europe.contoso.com |
| Distinguished Name | DC=europe,DC=contoso,DC=com |
| NetBIOS Name | EUROPE |
| Parent Domain Name | contoso.com |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Forest |

 |
| Forest Name | contoso.com |
| Forest Functional Level | Windows Server 2016 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Well-Known Containers |

 |
| Computers Container | CN=Computers,DC=europe,DC=contoso,DC=com |
| Deleted Objects Container | CN=Deleted Objects,DC=europe,DC=contoso,DC=com |
| Domain Controllers Container | OU=Domain Controllers,DC=europe,DC=contoso,DC=com |
| Foreign Security Principals Container | CN=ForeignSecurityPrincipals,DC=europe,DC=contoso,DC=com |
| Lost And Found Container | CN=LostAndFound,DC=europe,DC=contoso,DC=com |
| Quotas Container | CN=NTDS Quotas,DC=europe,DC=contoso,DC=com |
| System Container | CN=System,DC=europe,DC=contoso,DC=com |
| Users Container | CN=Users,DC=europe,DC=contoso,DC=com |

## Computers

Computer accounts are similar to user accounts however are used to allow computers to participate in the domain.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Computers |

 |
| Name | Operating System | Domain Controller | Description |
|

|  |  |
| --- | --- |
|  | DC-EU-2K22 |

 | Windows Server 2022 Datacenter | True | Regional domain controller for europe. |

### DC-EU-2K22

Computer accounts are similar to user accounts however are used to allow computers to participate in the domain.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | Regional domain controller for europe. |
| Host Name | DC-EU-2K22.europe.contoso.com |
| SAM Account Name | DC-EU-2K22 |
| Account Locked Out | False |
| Domain Controller | True |
| Enabled | True |
| Last Logon | 18 August 2023 17:00:11 |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-1000 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Location |

 |
| Location | Europe |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Operating System |

 |
| Operating System Name | Windows Server 2022 Datacenter |
| Operating System Version | 10.0 (20348) |
| Operating System Service Pack |  |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Domain Controllers |

 | europe.contoso.com/Users/Domain Controllers | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Managed By |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\sysadmin |

 | europe.contoso.com/Users/sysadmin | User |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:59:31 |
| Date Last Modified | 25 August 2023 11:55:45 |
| Canonical Name | europe.contoso.com/Domain Controllers/DC-EU-2K22 |
| Distinguished Name | CN=DC-EU-2K22,OU=Domain Controllers,DC=europe,DC=contoso,DC=com |
| Identifier | c368871e-7c32-41b1-9889-308d8bf3dc13 |
| Protected From Accidental Deletion | False |

## Domain Controllers

A domain controller is a server that participates in hosting the Active Directory service.

Read-Only domain controllers (RODCs) provide a read-only copy of the directory to service branch office users.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Domain Controllers |

 |
| Name | Read-Only | Global Catalog | Description |
|

|  |  |
| --- | --- |
|  | DC-EU-2K22 |

 | False | True | Regional domain controller for europe. |

### DC-EU-2K22

A domain controller is a server that participates in hosting the Active Directory service.

Read-Only domain controllers (RODCs) provide a read-only copy of the directory to service branch office users.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Host Name | DC-EU-2K22.europe.contoso.com |
| Description | Regional domain controller for europe. |
| Location | Europe |
| Bridgehead Server Transports |  |
| Managed By | EUROPE\sysadmin |
| Global Catalog | True |
| Read Only | False |
| Query Policy | Default Query Policy |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-1000 |
| Site | Contoso-Europe |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Partitions |

 |
| Default Partition | DC=europe,DC=contoso,DC=com |
| Partitions | DC=europe,DC=contoso,DC=comCN=Schema,CN=Configuration,DC=contoso,DC=comCN=Configuration,DC=contoso,DC=comDC=uk,DC=europe,DC=contoso,DC=comDC=contoso,DC=com |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Domain Controllers |

 | europe.contoso.com/Users/Domain Controllers | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Operating System (Directory) |

 |
| Operating System Name | Windows Server 2022 Datacenter |
| Operating System Service Pack |  |
| Operating System Version | 10.0 (20348) |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Networking Settings |

 |
| IPv4 Addresses | 192.168.131.245 |
| IPv6 Addresses |  |
| LDAP Port | 389 |
| SSL Port | 636 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Service Principal Names |

 |
| Service Principal Names | Dfsr-12F9A27C-BF97-4787-9364-D31B6C55EB04/DC-EU-2K22.europe.contoso.comGC/DC-EU-2K22.europe.contoso.com/contoso.comRestrictedKrbHost/DC-EU-2K22.europe.contoso.comRestrictedKrbHost/DC-EU-2K22RPC/e01d000c-764d-4ef3-833b-e5a6e8f70c3f.\_msdcs.contoso.comHOST/DC-EU-2K22/EUROPEHOST/DC-EU-2K22.europe.contoso.com/EUROPEHOST/DC-EU-2K22HOST/DC-EU-2K22.europe.contoso.comHOST/DC-EU-2K22.europe.contoso.com/europe.contoso.comE3514235-4B06-11D1-AB04-00C04FC2DCD2/e01d000c-764d-4ef3-833b-e5a6e8f70c3f/europe.contoso.comldap/DC-EU-2K22/EUROPEldap/e01d000c-764d-4ef3-833b-e5a6e8f70c3f.\_msdcs.contoso.comldap/DC-EU-2K22.europe.contoso.com/EUROPEldap/DC-EU-2K22ldap/DC-EU-2K22.europe.contoso.comldap/DC-EU-2K22.europe.contoso.com/europe.contoso.com |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Host Information |

 |
| Computer Fully Qualified Domain Name | DC-EU-2K22.europe.contoso.com |
| Manufacturer | VMware, Inc. |
| Model | VMware7,1 |
| Operating System Name | Microsoft Windows Server 2022 Datacenter |
| Processors | Intel(R) Core(TM) i9-10885H CPU @ 2.40GHz |
| Serial Number | VMware-56 4d 42 ab 83 44 6c fe-14 41 f9 07 55 37 f5 7d |
| Service Pack | [None Installed] |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Service Paths |

 |
| Database Path | C:\Windows\NTDS |
| Log Files Path | C:\Windows\NTDS |
| SYSVOL Path | C:\Windows\SYSVOL\sysvol |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Operations Master Roles |

 |
| Domain Naming Master | False |
| Infrastructure Master | True |
| PDC Emulator | True |
| RID Master | True |
| Schema Master | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:59:31 |
| Date Last Modified | 25 August 2023 11:55:45 |
| Canonical Name | europe.contoso.com/Domain Controllers/DC-EU-2K22 |
| Distinguished Name | CN=DC-EU-2K22,OU=Domain Controllers,DC=europe,DC=contoso,DC=com |
| Identifier | e9d90425-7063-4caa-99ab-2a449e9959f8 |
| Protected From Accidental Deletion | False |

## Fine-Grained Password Policies

Fine-grained password policies allow you to specify multiple password policies within a single Active Directory domain and apply different restrictions for password and account lockout policies to different sets of users in a domain.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Fine-Grained Password Policies |

 |
| Name | Precedence | Description |
|

|  |  |
| --- | --- |
|  | Example Password Policy |

 | 1 | This is an example password policy. |

### Example Password Policy

Fine-grained password policies allow you to specify multiple password policies within a single Active Directory domain and apply different restrictions for password and account lockout policies to different sets of users in a domain.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Precedence | 1 |
| Description | This is an example password policy. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Applies To |

 |
| Account Names | Example Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Password Settings |

 |
| Minimum Password Length | 7 Characters |
| Password History Count | 24 Passwords |
| Password Must Meet Complexity Requirements | True |
| Store Password Using Reversible Encryption | False |
| Minimum Password Age | 1 Days |
| Maximum Password Age | 42 Days |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Account Lockout Settings |

 |
| Maximum Failed Logon Attempts | Not Enforced |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 25 August 2023 12:11:25 |
| Date Last Modified | 25 August 2023 12:13:05 |
| Canonical Name | europe.contoso.com/System/Password Settings Container/Example Password Policy |
| Distinguished Name | CN=Example Password Policy,CN=Password Settings Container,CN=System,DC=europe,DC=contoso,DC=com |
| Identifier | 3ca7f19b-d03e-42ca-98d6-0697a8016b56 |
| Protected From Accidental Deletion | True |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Owner | S-1-5-21-4140458633-4188990453-1364030867-512 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 3 Access Rules |

 |
| Account Name | Inherited | Action | Rights | Applies To |
|

|  |  |
| --- | --- |
|  | BUILTIN\Administrators |

 | True | Allow | Create all child objectsDeleteExtended rightModify ownerModify permissionsReadWrite | This object and all descendant objects |
|

|  |  |
| --- | --- |
|  | CREATOR OWNER |

 | True | Allow | Validate write: DS-Validated-Write-Computer | Descendant 'Computer' objects |
|

|  |  |
| --- | --- |
|  | Everyone |

 | False | Deny | DeleteDelete subtree | This object only |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Audit Rules |

 |
| Account Name | Inherited | Type | Rights | Applies To |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | WriteProperty: GP-Link | Descendant 'Organizational-Unit' objects |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | WriteProperty: GP-Options | Descendant 'Organizational-Unit' objects |

## Foreign Security Principals

Foreign security principals are objects created by the system to represent a security principal in a trusted external forest.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Foreign Security Principals |

 |
| Name | Principal Name | Description |
|

|  |  |
| --- | --- |
|  | S-1-5-11 |

 | NT AUTHORITY\Authenticated Users | This is a foreign security principal. |

### S-1-5-11

Foreign security principals are objects created by the system to represent a security principal in a trusted external forest.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | This is a foreign security principal. |
| Principal Name | NT AUTHORITY\Authenticated Users |
| Security Identifier | S-1-5-11 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | BUILTIN\Pre-Windows 2000 Compatible Access |

 | europe.contoso.com/Builtin/Pre-Windows 2000 Compatible Access | Group |
|

|  |  |
| --- | --- |
|  | BUILTIN\Users |

 | europe.contoso.com/Builtin/Users | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:58:54 |
| Date Last Modified | 18 August 2023 16:58:54 |
| Canonical Name | europe.contoso.com/ForeignSecurityPrincipals/S-1-5-11 |
| Distinguished Name | CN=S-1-5-11,CN=ForeignSecurityPrincipals,DC=europe,DC=contoso,DC=com |
| Identifier | 2a8e1ebd-3316-4012-ba10-444866c6c185 |
| Protected From Accidental Deletion | False |

## Groups

Groups are used to collect user accounts, computer accounts, and other groups into manageable units to help simplify network maintenance and administration.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Groups |

 |
| Name | Scope | Category |
|

|  |  |
| --- | --- |
|  | Domain Admins |

 | Global | Security |
|

|  |  |
| --- | --- |
|  | Domain Users |

 | Global | Security |

### Domain Admins

Groups are used to collect user accounts, computer accounts, and other groups into manageable units to help simplify network maintenance and administration.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | Designated administrators of the domain |
| Group Category | Security |
| Group Scope | Global |
| Built-In | False |
| Notes |  |
| SAM Account Name | Domain Admins |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-512 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Members |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Administrator |

 | europe.contoso.com/Users/Administrator | User |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Denied RODC Password Replication Group |

 | europe.contoso.com/Users/Denied RODC Password Replication Group | Group |
|

|  |  |
| --- | --- |
|  | BUILTIN\Administrators |

 | europe.contoso.com/Builtin/Administrators | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Managed By |

 |

|  |
| --- |
| No account is assigned. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:59:31 |
| Date Last Modified | 18 August 2023 17:14:41 |
| Canonical Name | europe.contoso.com/Users/Domain Admins |
| Distinguished Name | CN=Domain Admins,CN=Users,DC=europe,DC=contoso,DC=com |
| Identifier | 92f29271-3dc9-48c4-b910-ca4160b45730 |
| Protected From Accidental Deletion | False |

### Domain Users

Groups are used to collect user accounts, computer accounts, and other groups into manageable units to help simplify network maintenance and administration.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | All domain users |
| Group Category | Security |
| Group Scope | Global |
| Built-In | False |
| Notes |  |
| SAM Account Name | Domain Users |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-513 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 0 Members |

 |

|  |
| --- |
| There are no accounts found. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | BUILTIN\Users |

 | europe.contoso.com/Builtin/Users | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Managed By |

 |

|  |
| --- |
| No account is assigned. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:59:31 |
| Date Last Modified | 18 August 2023 16:59:31 |
| Canonical Name | europe.contoso.com/Users/Domain Users |
| Distinguished Name | CN=Domain Users,CN=Users,DC=europe,DC=contoso,DC=com |
| Identifier | 77f80e4c-05d8-4197-867b-a33384ad1433 |
| Protected From Accidental Deletion | False |

## Managed Service Accounts

A Managed Service Account (MSA) is a managed domain account that provides automatic password management, simplified service principal name (SPN) management and the ability to delegate the management to other administrators.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Managed Service Accounts |

 |
| Name | Type | Description |
|

|  |  |
| --- | --- |
|  | xiaservice |

 | Standalone Managed Service Account (sMSA) | A managed service account for XIA Configuration. |

### xiaservice

A Managed Service Account (MSA) is a managed domain account that provides automatic password management, simplified service principal name (SPN) management and the ability to delegate the management to other administrators.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Account Type | Standalone Managed Service Account (sMSA) |
| Description | A managed service account for XIA Configuration. |
| Enabled | True |
| SAM Account Name | xiaservice$ |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-1106 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 0 Memberships |

 |

|  |
| --- |
| There are no accounts found. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 25 August 2023 12:16:02 |
| Date Last Modified | 25 August 2023 12:30:16 |
| Canonical Name | europe.contoso.com/Managed Service Accounts/xiaservice |
| Distinguished Name | CN=xiaservice,CN=Managed Service Accounts,DC=europe,DC=contoso,DC=com |
| Identifier | 322a6043-3fe4-4782-9849-737036197b30 |
| Protected From Accidental Deletion | False |

## Operations Masters

Operations masters are roles held by specific domain controllers responsible for accepting requests for certain specific changes.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Domain-Level Roles |

 |
| Infrastructure Master | DC-EU-2K22.europe.contoso.com |
| PDC Emulator | DC-EU-2K22.europe.contoso.com |
| RID Master | DC-EU-2K22.europe.contoso.com |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Forest-Level Roles |

 |
| Domain Naming Master | DC-CS-2K22.contoso.com |
| Schema Master | DC-CS-2K22.contoso.com |

## Recycle Bin

The Active Directory Recycle Bin enhances your ability to preserve and recover accidentally deleted Active Directory objects.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Recycle Bin |

 |
| Enabled | True |
| Deleted Object Lifetime | System Default |
| Tombstone Lifetime | 180 Days |

## Trusts

Active Directory Domain Services (AD DS) provides security across multiple domains or forests through domain and forest trust relationships



|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 3 Trusts |

 |
| Target Domain Name | Type | Direction |
|

|  |  |
| --- | --- |
|  | contoso.com |

 | Parent | Bidirectional |
|

|  |  |
| --- | --- |
|  | northwind.com |

 | External | Bidirectional |
|

|  |  |
| --- | --- |
|  | uk.europe.contoso.com |

 | Child | Bidirectional |

### contoso.com

Active Directory Domain Services (AD DS) provides security across multiple domains or forests through domain and forest trust relationships

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Direction | Bidirectional |
| Trust Type | Parent |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Target Domain |

 |
| Target Domain Name | contoso.com |
| Target Domain Functional Level | Windows Server 2016 |
| Target NetBIOS Name | CONTOSO |
| Target Security Identifier | S-1-5-21-3658165781-1802088474-919021730 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Enable Kerberos AES Encryption | False |
| Selective Authentication | False |
| SID History | False |
| SID Filtering Quarantined | False |
| TGT Delegation | False |

### northwind.com

Active Directory Domain Services (AD DS) provides security across multiple domains or forests through domain and forest trust relationships

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Direction | Bidirectional |
| Trust Type | External |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Target Domain |

 |
| Target Domain Name | northwind.com |
| Target NetBIOS Name | NORTHWIND |
| Target Security Identifier | S-1-5-21-2158724555-1125807419-3241227723 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Enable Kerberos AES Encryption | False |
| Selective Authentication | False |
| SID History | False |
| SID Filtering Quarantined | True |
| TGT Delegation | False |

### uk.europe.contoso.com

Active Directory Domain Services (AD DS) provides security across multiple domains or forests through domain and forest trust relationships

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Direction | Bidirectional |
| Trust Type | Child |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Target Domain |

 |
| Target Domain Name | uk.europe.contoso.com |
| Target Domain Functional Level | Windows Server 2016 |
| Target NetBIOS Name | UK |
| Target Security Identifier | S-1-5-21-3497076482-1246770663-2237968389 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Enable Kerberos AES Encryption | False |
| Selective Authentication | False |
| SID History | False |
| SID Filtering Quarantined | False |
| TGT Delegation | False |

## Users

Active Directory user accounts provide access to network resources. The accounts may represent a person, or act as dedicated service account for an application.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Users |

 |
| Name | Display Name | Description |
|

|  |  |
| --- | --- |
|  | Administrator |

 | Administrator | Built-in account for administering the computer/domain |
|

|  |  |
| --- | --- |
|  | Guest |

 | Guest | Built-in account for guest access to the computer/domain |

### Administrator

Active Directory user accounts provide access to network resources. The accounts may represent a person, or act as dedicated service account for an application.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| First Name | Administrator |
| Last Name | Account |
| Display Name | Administrator |
| Description | Built-in account for administering the computer/domain |
| Enabled | True |
| Account Locked Out | False |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-500 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Account Settings |

 |
| User Principal Name |  |
| SAM Account Name | Administrator |
| Last Logon | 18 August 2023 17:06:50 |
| Account Expiration Date | [Not Configured] |
| Password Last Set | 18 August 2023 16:49:32 |
| Password Never Expires | True |
| User Cannot Change Password | False |
| User Must Change Password | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Profile |

 |
| Home Directory | \\DC-CS-2K22\Home\Administrator |
| Home Drive | Z: |
| Profile Path | \\DC-CS-2K22\Profiles\Administrator |
| Script Path | Administrator.ps1 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 5 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Domain Users |

 | europe.contoso.com/Users/Domain Users | Group |
|

|  |  |
| --- | --- |
|  | CONTOSO\Enterprise Admins |

 | contoso.com/Users/Enterprise Admins | Group |
|

|  |  |
| --- | --- |
|  | EUROPE\Group Policy Creator Owners |

 | europe.contoso.com/Users/Group Policy Creator Owners | Group |
|

|  |  |
| --- | --- |
|  | EUROPE\Domain Admins |

 | europe.contoso.com/Users/Domain Admins | Group |
|

|  |  |
| --- | --- |
|  | BUILTIN\Administrators |

 | europe.contoso.com/Builtin/Administrators | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Manager |

 |

|  |
| --- |
| No account is assigned. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:58:54 |
| Date Last Modified | 25 August 2023 11:55:03 |
| Canonical Name | europe.contoso.com/Users/Administrator |
| Distinguished Name | CN=Administrator,CN=Users,DC=europe,DC=contoso,DC=com |
| Identifier | b281d6ff-1ede-437d-8ad8-8e2913433125 |
| Protected From Accidental Deletion | False |

### Guest

Active Directory user accounts provide access to network resources. The accounts may represent a person, or act as dedicated service account for an application.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| First Name | Guest |
| Last Name | Account |
| Display Name | Guest |
| Description | Built-in account for guest access to the computer/domain |
| Enabled | False |
| Account Locked Out | False |
| Security Identifier | S-1-5-21-4140458633-4188990453-1364030867-501 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Account Settings |

 |
| User Principal Name |  |
| SAM Account Name | Guest |
| Last Logon | [Not Configured] |
| Account Expiration Date | [Not Configured] |
| Password Last Set | Never |
| Password Never Expires | True |
| User Cannot Change Password | False |
| User Must Change Password | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Profile |

 |
| Home Directory | \\DC-CS-2K22\Home\Guest |
| Home Drive | Z: |
| Profile Path | \\DC-CS-2K22\Profiles\Guest |
| Script Path | Guest.ps1 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Memberships |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Domain Guests |

 | europe.contoso.com/Users/Domain Guests | Group |
|

|  |  |
| --- | --- |
|  | BUILTIN\Guests |

 | europe.contoso.com/Builtin/Guests | Group |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Manager |

 |
| Account Name | Canonical Name | Type |
|

|  |  |
| --- | --- |
|  | EUROPE\Administrator |

 | europe.contoso.com/Users/Administrator | User |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:58:54 |
| Date Last Modified | 18 August 2023 16:58:54 |
| Canonical Name | europe.contoso.com/Users/Guest |
| Distinguished Name | CN=Guest,CN=Users,DC=europe,DC=contoso,DC=com |
| Identifier | e38146c5-512f-44de-80c6-cc55d6382189 |
| Protected From Accidental Deletion | False |

# Group Policy

Group Policy is a Microsoft technology that provides centralized configuration and management of Windows based machines.

## Group Policy Objects

Group Policy objects provide a method of centralizing the configuration and management of Windows based machines.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Group Policy Objects |

 |
| Name | Status | WMI Filter |
|

|  |  |
| --- | --- |
|  | Contoso Basic Group Policy Object |

 | Enabled |  |

### Contoso Basic Group Policy Object

Group Policy objects provide a method of centralizing the configuration and management of Windows based machines.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description |  |
| GPO Status | Enabled |
| Date Created | 04 September 2025 14:40:58 |
| Date Last Modified | 04 September 2025 14:54:28 |
| Identifier | b131c36b-6258-4ca6-b1a0-b9c3957a453d |
| Owner | EUROPE\Domain Admins |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Computer |

 |
| Computer Settings Enabled | True |
| Computer Version (Directory) | 9 |
| Computer Version (SYSVOL) | 9 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | User |

 |
| User Settings Enabled | True |
| User Version (Directory) | 0 |
| User Version (SYSVOL) | 0 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 0 Links |

 |

|  |
| --- |
| There are no links found for the Group Policy object. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 5 Permissions |

 |
| Account Name | Permission Type | Rights |
|

|  |  |
| --- | --- |
|  | CONTOSO\Enterprise Admins |

 | Allow | Edit Settings, Delete, Modify Security |
|

|  |  |
| --- | --- |
|  | EUROPE\Domain Admins |

 | Allow | Edit Settings, Delete, Modify Security |
|

|  |  |
| --- | --- |
|  | NT AUTHORITY\Authenticated Users |

 | Allow | Apply Group Policy |
|

|  |  |
| --- | --- |
|  | NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS |

 | Allow | Read |
|

|  |  |
| --- | --- |
|  | NT AUTHORITY\SYSTEM |

 | Allow | Edit Settings, Delete, Modify Security |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | WMI Filter |

 |
| Assigned | False |

#### Computer Configuration

Provides information about the configured computer related Group Policy settings.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Extensions |

 |
| Name | State |
|

|  |  |
| --- | --- |
|  | Administrative Templates |

 | Configured |

##### Administrative Templates

Provides information about the settings configured by the extension.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 5 Administrative Template Policies |

 |
| Name | Value |
|

|  |  |
| --- | --- |
|  | Control Panel/Personalization/Do not display the lock screen |

 |
|

|  |  |
| --- | --- |
|  | State |

 | Enabled |
|

|  |  |
| --- | --- |
|  | Supported On |

 | At least Windows Server 2012, Windows 8 or Windows RT |
|

|  |  |
| --- | --- |
|  | Network/Network Connections/Windows Defender Firewall/Domain Profile/Windows Defender Firewall: Allow logging |

 |
|

|  |  |
| --- | --- |
|  | State |

 | Enabled |
|

|  |  |
| --- | --- |
|  | Supported On |

 | At least Windows XP Professional with SP2 |
|

|  |  |
| --- | --- |
|  | Log dropped packets |

 | Enabled |
|

|  |  |
| --- | --- |
|  | Log successful connections |

 | Disabled |
|

|  |  |
| --- | --- |
|  | Log file path and name |

 | %systemroot%\system32\LogFiles\Firewall\pfirewall.log |
|

|  |  |
| --- | --- |
|  | Size limit (KB) |

 | 4,096 |
|

|  |  |
| --- | --- |
|  | Printers/Automatically publish new printers in Active Directory |

 |
|

|  |  |
| --- | --- |
|  | State |

 | Enabled |
|

|  |  |
| --- | --- |
|  | Supported On |

 | Windows Server 2003, Windows XP, and Windows 2000 only |
|

|  |  |
| --- | --- |
|  | System/Logon/Do not display the Getting Started welcome screen at logon |

 |
|

|  |  |
| --- | --- |
|  | State |

 | Enabled |
|

|  |  |
| --- | --- |
|  | Supported On |

 | Windows 2000 only |
|

|  |  |
| --- | --- |
|  | Windows Components/Internet Explorer/Disable Internet Explorer 11 as a standalone browser |

 |
|

|  |  |
| --- | --- |
|  | State |

 | Enabled |
|

|  |  |
| --- | --- |
|  | Supported On |

 | At least Internet Explorer 11.0 on Windows 10 |
|

|  |  |
| --- | --- |
|  | Notify that Internet Explorer 11 browser is disabled |

 | Once per user |

#### User Configuration

Provides information about the configured user related Group Policy settings.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 0 Extensions |

 |

|  |
| --- |
| There are no extensions found for the configuration. |

## Starter Group Policy Objects

Starter Group Policy Objects are Group Policy templates that provide the ability to store a collection of Administrative Template policy settings in a single object which can easily be distributed and imported into other environments.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 0 Starter Group Policy Objects |

 |

|  |
| --- |
| Information is not available for this section because the component or feature is not installed. |

# Replication

Active Directory replication is the process of transferring and updating Active Directory objects between domain controllers in the Active Directory domain and forest.

## Inter-Site Transports

Site links in Active Directory represent the inter-site connectivity and method used to transfer replication traffic.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Inter-Site Transports |

 |
| Name | Bridge All Site Links | Description |
|

|  |  |
| --- | --- |
|  | IP |

 | True | Contains IP site links. |
|

|  |  |
| --- | --- |
|  | SMTP |

 | True | Contains SMTP site links. |

### IP

Site links in Active Directory represent the inter-site connectivity and method used to transfer replication traffic.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | Contains IP site links. |
| Bridge All Site Links | True |
| Ignore Schedules | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Site Links |

 |
| Name | Cost | Transport Protocol | Description |
|

|  |  |
| --- | --- |
|  | DEFAULTIPSITELINK |

 | 100 | IP | This is the default site link |
|

|  |  |
| --- | --- |
|  | Remote Site Link |

 | 100 | IP | This is a remote site link. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Site Link Bridges |

 |
| Name | Transport Protocol | Description |
|

|  |  |
| --- | --- |
|  | Site Link Bridge |

 | IP | This is a site link bridge. |

### SMTP

Site links in Active Directory represent the inter-site connectivity and method used to transfer replication traffic.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | Contains SMTP site links. |
| Bridge All Site Links | True |
| Ignore Schedules | True |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Site Links |

 |
| Name | Cost | Transport Protocol | Description |
|

|  |  |
| --- | --- |
|  | SMTP Site Link |

 | 100 | SMTP | This is an SMTP site link. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 0 Site Link Bridges |

 |

|  |
| --- |
| There are no site link bridges found for the inter-site transport. |

## Sites

Sites are Active Directory objects that represent one or more TCP/IP subnets with highly reliable and fast network connections.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Sites |

 |
| Name | Location | Description |
|

|  |  |
| --- | --- |
|  | Contoso-Europe |

 | Europe | A site for Contoso Europe. |

### Contoso-Europe

Sites are Active Directory objects that represent one or more TCP/IP subnets with highly reliable and fast network connections.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Description | A site for Contoso Europe. |
| Location | Europe |
| Subnet Names | 157.54.208.0/20 |
| Schedule Hashing | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Replication Schedule |

 |



|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Universal Group Membership Caching |

 |
| Universal Group Caching Enabled | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Inter-Site Topology Generator |

 |
| Inter-Site Topology Generator | DC-EU-2K22 |
| Inter-Site Topology Generator Site | Contoso-Europe |
| Automatic Inter-Site Topology Generation | True |
| Automatic Topology Generation | True |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Topology |

 |
| Redundant Server Topology | False |
| Topology Cleanup | True |
| Topology Detect Stale | True |
| Topology Minimum Hops | True |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Compatibility Settings |

 |
| Windows Server 2000 Bridgehead Selection Method | True |
| Windows Server 2000 KCC ISTG Selection Behavior | False |
| Windows Server 2003 KCC Behavior Enabled | False |
| Windows Server 2003 KCC Ignore Schedule Enabled | False |
| Windows Server 2003 KCC Site Link Bridging Enabled | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 25 August 2023 14:04:10 |
| Date Last Modified | 25 August 2023 15:13:07 |
| Canonical Name | contoso.com/Configuration/Sites/Contoso-Europe |
| Distinguished Name | CN=Contoso-Europe,CN=Sites,CN=Configuration,DC=contoso,DC=com |
| Identifier | d0aea32c-ff8a-470f-9997-d231b98dff36 |
| Protected From Accidental Deletion | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Owner | S-1-5-21-3658165781-1802088474-919021730-519 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 3 Access Rules |

 |
| Account Name | Inherited | Action | Rights | Applies To |
|

|  |  |
| --- | --- |
|  | NT AUTHORITY\Authenticated Users |

 | False | Allow | Read | This object only |
|

|  |  |
| --- | --- |
|  | NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS |

 | False | Allow | Read | This object only |
|

|  |  |
| --- | --- |
|  | NT AUTHORITY\SYSTEM |

 | False | Allow | Full Control | This object only |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 5 Audit Rules |

 |
| Account Name | Inherited | Type | Rights | Applies To |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | Create all child objectsDeleteDelete all child objectsDelete subtree | This object and all descendant objects |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | Extended right | Descendant 'NTDS-DSA' objects |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | WriteProperty: GP-Link | This object and all descendant objects |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | WriteProperty: GP-Options | This object and all descendant objects |
|

|  |  |
| --- | --- |
|  | Everyone |

 | True | Success | WriteProperty: Site-Object | Descendant 'Subnet' objects |

#### Servers

A replication server is a domain controller that participates in hosting the Active Directory service.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Replication Servers |

 |
| Name | Read-Only | Global Catalog | Description |
|

|  |  |
| --- | --- |
|  | DC-EU-2K22 |

 | False | True | The DC in europe. |

##### DC-EU-2K22

A replication server is a domain controller that participates in hosting the Active Directory service.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Bridgehead Server Transports |  |
| Description | The DC in europe. |
| Domain Name | europe.contoso.com |
| Host Name | DC-EU-2K22.europe.contoso.com |
| Global Catalog | True |
| Read Only | False |
| Location |  |
| Query Policy | Default Query Policy |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Replication Connections |

 |
| Name | Source Server | Source Site |
|

|  |  |
| --- | --- |
|  | Automatically Generated |

 | DC-UK-2K22 | Default-First-Site-Name |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 16:58:50 |
| Date Last Modified | 25 August 2023 15:09:02 |
| Canonical Name | contoso.com/Configuration/Sites/Contoso-Europe/Servers/DC-EU-2K22 |
| Distinguished Name | CN=DC-EU-2K22,CN=Servers,CN=Contoso-Europe,CN=Sites,CN=Configuration,DC=contoso,DC=com |
| Identifier | e9d90425-7063-4caa-99ab-2a449e9959f8 |
| Protected From Accidental Deletion | False |

###### Automatically Generated

A replication connection determines the replication of Active Directory data from a source domain controller to a destination domain controller.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Auto Generated | True |
| Compression Enabled | True |
| Description |  |
| Identifier | 676b7dcc-8bb6-43f8-b7e7-93e11382a326 |
| Enabled | True |
| RODC Connection | False |
| Override Notify Default | False |
| Transport Protocol | IP |
| Use Notify | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Replication Source |

 |
| Source Server Name | DC-UK-2K22 |
| Source Site Name | Default-First-Site-Name |
| Replicated Naming Contexts | CN=Configuration,DC=contoso,DC=comCN=Schema,CN=Configuration,DC=contoso,DC=comDC=europe,DC=contoso,DC=com |
| Partially Replicated Naming Contexts | DC=contoso,DC=comDC=uk,DC=europe,DC=contoso,DC=com |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Replication Schedule |

 |



|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Directory Object |

 |
| Date Created | 18 August 2023 17:33:24 |
| Date Last Modified | 25 August 2023 14:06:09 |
| Canonical Name | contoso.com/Configuration/Sites/Contoso-Europe/Servers/DC-EU-2K22/NTDS Settings/2ecf4425-9836-4a90-9241-74640cfd6e6c |
| Distinguished Name | CN=2ecf4425-9836-4a90-9241-74640cfd6e6c,CN=NTDS Settings,CN=DC-EU-2K22,CN=Servers,CN=Contoso-Europe,CN=Sites,CN=Configuration,DC=contoso,DC=com |
| Identifier | 676b7dcc-8bb6-43f8-b7e7-93e11382a326 |
| Protected From Accidental Deletion | False |

## Subnets

Subnets group computers in a way that identifies their physical proximity on the network. Subnet in Active Directory are used to map computers to sites.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 1 Subnets |

 |
| Name | Site | Location | Description |
|

|  |  |
| --- | --- |
|  | 157.54.208.0/20 |

 | Contoso-Europe | Europe | This is an example subnet. |

# Schema

The Microsoft Active Directory schema contains formal definitions of every object class that can be created in an Active Directory forest.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Schema |

 |
| Distinguished Name | CN=Schema,CN=Configuration,DC=contoso,DC=com |
| Schema Version | 88 |

## Schema Classes

In Active Directory the schema classes define the types of objects that can be stored in the directory.

|  |
| --- |
| Schema base objects (classes that are marked as being from the base schema included with the operating system) are not shown. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Schema Classes |

 |
| Name | Type | Active |
|

|  |  |
| --- | --- |
|  | account |

 | Structural | True |
|

|  |  |
| --- | --- |
|  | addressTemplate |

 | Structural | True |

### account

In Active Directory the schema classes define the types of objects that can be stored in the directory.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Name | account |
| Description | The account object class is used to define entries representing computer accounts. |
| Common Name | account |
| Date Created | 10 November 2017 19:25:45 |
| Date Last Modified | 18 August 2023 16:58:51 |
| X.500 OID | 0.9.2342.19200300.100.4.5 |
| Class Type | Structural |
| Category | account |
| Show When Browsing | False |
| Active | True |
| Schema Base Object | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Relationships |

 |
| Parent | top |
| Auxiliary Classes |  |
| Possible Superiors | containerorganizationalUnit |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Attributes |

 |
| Required Attributes |  |
| Optional Attributes | descriptionhostloouseeAlsouid |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Default Security Descriptor | D:(A;;RPWPCRCCDCLCLOLORCWOWDSDDTDTSW;;;DA)(A;;RPWPCRCCDCLCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU) |

### addressTemplate

In Active Directory the schema classes define the types of objects that can be stored in the directory.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Name | addressTemplate |
| Description | Address-Template |
| Common Name | Address-Template |
| Date Created | 10 November 2017 19:25:45 |
| Date Last Modified | 18 August 2023 16:58:51 |
| X.500 OID | 1.2.840.113556.1.3.58 |
| Class Type | Structural |
| Category | addressTemplate |
| Show When Browsing | False |
| Active | True |
| Schema Base Object | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Relationships |

 |
| Parent | displayTemplate |
| Auxiliary Classes |  |
| Possible Superiors | container |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Attributes |

 |
| Required Attributes | displayName |
| Optional Attributes | addressSyntaxaddressTypeperMsgDialogDisplayTableperRecipDialogDisplayTableproxyGenerationEnabled |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Security |

 |
| Default Security Descriptor | D:(A;;RPWPCRCCDCLCLORCWOWDSDDTSW;;;DA)(A;;RPWPCRCCDCLCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU) |

## Schema Attributes

In Active Directory the schema attributes define the types of values that can be set for objects stored in the directory.

|  |
| --- |
| Schema base objects (attributes that are marked as being from the base schema included with the operating system) are not shown. |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 2 Schema Attributes |

 |
| Name | Syntax | Active |
|

|  |  |
| --- | --- |
|  | associatedDomain |

 | IA5 String | True |
|

|  |  |
| --- | --- |
|  | associatedName |

 | Distinguished Name | True |

### associatedDomain

In Active Directory the schema attributes define the types of values that can be set for objects stored in the directory.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Common Name | associatedDomain |
| Description | The associatedDomain attribute type specifies a DNS domain which is associated with an object. |
| Ambiguous Name Resolution (ANR) | False |
| Copy Attribute On Object Duplication | False |
| Date Created | 10 November 2017 19:25:44 |
| Date Last Modified | 18 August 2023 16:58:51 |
| Active | True |
| Schema Base Object | False |
| X.500 OID | 0.9.2342.19200300.100.1.37 |
| Replicate To Global Catalog | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Syntax |

 |
| Syntax | IA5 String |
| Minimum Value | 0 |
| Maximum Value | 256 |
| Single Valued | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Index Settings |

 |
| Indexed | False |
| Index Containerized Searches | False |

### associatedName

In Active Directory the schema attributes define the types of values that can be set for objects stored in the directory.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | General |

 |
| Common Name | associatedName |
| Description | The associatedName attribute type specifies an entry in the organizational DIT associated with a DNS domain. |
| Ambiguous Name Resolution (ANR) | False |
| Copy Attribute On Object Duplication | False |
| Date Created | 10 November 2017 19:25:44 |
| Date Last Modified | 18 August 2023 16:58:51 |
| Active | True |
| Schema Base Object | False |
| X.500 OID | 0.9.2342.19200300.100.1.38 |
| Replicate To Global Catalog | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Syntax |

 |
| Syntax | Distinguished Name |
| Minimum Value | 0 |
| Maximum Value | 0 |
| Single Valued | False |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | Index Settings |

 |
| Indexed | False |
| Index Containerized Searches | False |

# Version History

The version history displays the changes that have been made to the documentation of the item over time - either automatically when a change has been detected, or manually by users of the system.

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|  | 5 versions |

 |
| Version | Username | Date | Time | Description |
|

|  |  |
| --- | --- |
|  | 1.04 |

 | CONTOSO\sysadmin | 04 September 2025 | 15:23 | Added Custom Item Details |
|

|  |  |
| --- | --- |
|  | 1.03 |

 | CONTOSO\sysadmin | 04 September 2025 | 15:23 | Added Primary Owner Contact |
|

|  |  |
| --- | --- |
|  | 1.02 |

 | CONTOSO\sysadmin | 04 September 2025 | 15:21 | Added Primary Owner Name |
|

|  |  |
| --- | --- |
|  | 1.01 |

 | CONTOSO\sysadmin | 04 September 2025 | 15:19 | Updated by XIA Configuration Client Data |
|

|  |  |
| --- | --- |
|  | 1.00 |

 | CONTOSO\sysadmin | 04 September 2025 | 15:19 | Item created. |



XIA Configuration is an IT infrastructure audit and documentation tool that removes the burden of time-consuming, manual, auditing and documentation work by turning it into automated processes that takes just seconds.