

Entra Cloud Sync Documentation

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Table of Contents

Disclaimer.....	3
General Information.....	4
Cloud Sync.....	5
Agents.....	6
Configurations.....	7
demo2025.int (AD to Microsoft Entra ID).....	8
Scoping Filters.....	9
Object Mappings.....	10
contact.....	11
contact Attribute Mappings.....	12
group.....	17
group Attribute Mappings.....	18
inetOrgPerson.....	22
inetOrgPerson Attribute Mappings.....	23
user.....	30
user Attribute Mappings.....	31
demo2025connect.int (AD to Microsoft Entra ID).....	38
Scoping Filters.....	39
Object Mappings.....	40
contact.....	41
contact Attribute Mappings.....	42
group.....	47
group Attribute Mappings.....	48
inetOrgPerson.....	52
inetOrgPerson Attribute Mappings.....	53
user.....	60
user Attribute Mappings.....	61
demo2025.int (Microsoft Entra ID to AD).....	68
Scoping Filters.....	69
Object Mappings.....	70
Group.....	71
Group Attribute Mappings.....	72
User.....	73
User Attribute Mappings.....	74

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General Information

Provides general information for this item.

 General Information

Name	centrelsolutionsdemo.onmicrosoft.com
Description	
Primary Owner Name	
Primary Owner Contact	

Cloud Sync

Microsoft Entra Cloud Sync is a cloud-managed directory provisioning service that synchronizes users, groups, and contacts from on-premises Active Directory to Microsoft Entra ID. It uses a lightweight on-premises provisioning agent while all synchronization logic runs in Microsoft’s cloud.

 Cloud Sync

Enabled	True
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Agents

Cloud Sync agents are lightweight on-premises components that securely connect your Active Directory environment to Microsoft Entra’s cloud-based provisioning service.

 2 Agents

Machine Name	External IP Address	Status	Resources
 DEMO2025-DC01.demo2025.int	86.24.192.254	Active	demo2025.int
 DEMO2025-DC02.demo2025connect.int	86.24.192.254	Active	demo2025connect.int

Configurations

Cloud Sync configurations define which objects and attributes are in scope for synchronization, controlling how users, groups, and contacts flow from Active Directory to Entra ID - and, where supported, how selected attributes can flow back from Entra ID to Active Directory.

 3 Cloud Sync Configurations

Domain Name	Sync Direction	Status
 demo2025.int	AD to Microsoft Entra ID	Not Run
 demo2025connect.int	AD to Microsoft Entra ID	Disabled
 demo2025.int	Microsoft Entra ID to AD	Not Run

demo2025.int (AD to Microsoft Entra ID)

Cloud Sync configurations define which objects and attributes are in scope for synchronization, controlling how users, groups, and contacts flow from Active Directory to Entra ID - and, where supported, how selected attributes can flow back from Entra ID to Active Directory.

General

Configuration Type	AD to Microsoft Entra ID
Domain Name	demo2025.int
Service Principal Identifier	c694351e-e050-4d4b-ac4d-2de53015221e
Status	Not Run

Domain Information

Domain Name	demo2025.int
Domain NetBIOS Name	DEMO2025
Domain Discovery Date	29 December 2025 15:16:11
Forest Name	demo2025.int
Forest NetBIOS Name	DEMO2025

Settings

Email Notifications	True
Email Notifications Recipient	demo@centrel-solutions.com
Prevent Accidental Deletion	True
Accidental Deletion Threshold	10,244
Exchange Hybrid Writeback	True
Password Hash Sync	False

1 Agents

Machine Name	External IP Address	Status	Resources
 DEMO2025-DC01.demo2025.int	86.24.192.254	Active	demo2025.int

3 Job Statuses

Display Name	Status	Last Run Date/Time
 Exchange hybrid writeback	NotRun	[Not Configured]
 Password hash sync	Paused	02 January 2026 20:13:56
 User and group sync	NotRun	[Not Configured]

Scoping Filters

Scoping filters in Microsoft Entra Cloud Sync are conditional rules that determine which directory objects are included in a given sync flow.

 Scoping Filters

Filter Type	Selected organizational units
Included Organizational Units	OU=Groups,OU=Hybrid,DC=demo2025,DC=int OU=Sample,OU=Hybrid,DC=demo2025,DC=int

Object Mappings

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

4 Object Mappings

Source Object Name	Target Object Name	Enabled
 contact	Contact	True
 group	Group	True
 inetOrgPerson	User	True
 user	User	True

contact

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	contact
Target Object Name	Contact
Enabled	True

contact Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 89 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 Alias	Direct	mailNickname	
 Assistant	Direct	assistant	
 AuthOrig	Direct	authOrig	
 City	Expression	Trim([I])	
 Company	Expression	Trim([company])	
 Country	Expression	Trim([co])	
 CountryCode	Direct	countryCode	
 CountryLetterCode	Expression	Trim([c])	
 Department	Expression	Trim([department])	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	
 DnsDomainName	Constant	%DomainFQDN%	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	

 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	
 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 FacsimileTelephoneNumber	Expression	Trim([facsimileTelephoneNumber])	
 GivenName	Expression	Trim([givenName])	
 HomePhone	Expression	Trim([homePhone])	
 Info	Expression	Left(Trim([info]), 448)	
 Initials	Expression	Trim([initials])	
 IPPhone	Expression	Trim([ipPhone])	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Expression	Trim([mail])	

 Manager	Direct	manager	
 MiddleName	Expression	Trim([middleName])	
 Mobile	Expression	Trim([mobile])	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSExchAssistantName	Direct	msExchAssistantName	
 MSExchBlockedSendersHash	Direct	msExchBlockedSendersHash	
 MSExchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MSExchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MSExchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	
 MSExchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MSExchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MSExchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MSExchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MSExchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MSExchModeratedByLink	Direct	msExchModeratedByLink	
 MSExchModerationFlags	Direct	msExchModerationFlags	
 MSExchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MSExchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MSExchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MSExchRetentionComment	Direct	msExchRetentionComment	

 MExchRetentionUrl	Direct	msExchRetentionURL	
 MExchSafeRecipientsHash	Direct	msExchSafeRecipientsHash	
 MExchSafeSendersHash	Direct	msExchSafeSendersHash	
 MExchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MSRtcSipPrimaryUserAddress	Direct	msRTCSIP-PrimaryUserAddress	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OtherFacsimileTelephoneNumber	Expression	Trim([otherFacsimileTelephoneNumber])	
 OtherHomePhone	Expression	Trim([otherHomePhone])	
 OtherIPPhone	Expression	Trim([otherIpPhone])	
 OtherMobile	Expression	Trim([otherMobile])	
 OtherPager	Expression	Trim([otherPager])	
 OtherTelephone	Expression	Trim([otherTelephone])	
 Pager	Expression	Trim([pager])	
 PhysicalDeliveryOfficeName	Expression	Trim([physicalDeliveryOfficeName])	
 PostalCode	Expression	Trim([postalCode])	
 PostOfficeBox	Expression	IIF(IsPresent([postOfficeBox]), Left(Trim(Item([postOfficeBox], 1)), 448), "")	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	
 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 State	Expression	Trim([st])	
 StreetAddress	Expression	Trim([streetAddress])	

 Surname	Expression	Trim([sn])	
 TargetAddress	Direct	targetAddress	
 TelephoneNumber	Expression	Trim([telephoneNumber])	
 ThumbnailPhoto	Direct	thumbnailPhoto	
 Title	Expression	Trim([title])	
 UnauthOrig	Direct	unauthOrig	
 Url	Expression	IIF(IsPresent([url]), Left(Trim(Item([url], 1)), 448), "")	
 UserCertificate	Direct	userCertificate	
 UserSMIMECertificate	Direct	userSMIMECertificate	
 WwwHomepage	Direct	wWWHomePage	

group

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	group
Target Object Name	Group
Enabled	True

group Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

63 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 Alias	Direct	mailNickname	
 AuthOrig	Direct	authOrig	
 CommonName	Direct	cn	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	
 DnsDomainName	Constant	%DomainFQDN%	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	
 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	

 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 HideDLMembership	Direct	hideDLMembership	
 Info	Expression	Left(Trim([info]), 448)	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Direct	mail	
 ManagedBy	Direct	managedBy	
 Member	Direct	member	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSExchBypassModerationLink	Direct	msExchBypassModerationLink	
 MSExchCoManagedByLink	Direct	msExchCoManagedByLink	
 MSExchEnableModeration	Direct	msExchEnableModeration	
 MSExchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MSExchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MSExchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	

 MSeXchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MSeXchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MSeXchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MSeXchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MSeXchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MSeXchModeratedByLink	Direct	msExchModeratedByLink	
 MSeXchModerationFlags	Direct	msExchModerationFlags	
 MSeXchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MSeXchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MSeXchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MSeXchRetentionComment	Direct	msExchRetentionComment	
 MSeXchRetentionUrl	Direct	msExchRetentionURL	
 MSeXchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MSOrgIsOrganizational	Direct	msOrg-IsOrganizational	
 NetBiosName	Constant	%DomainNetBios%	
 OnPremiseSecurityIdentifier	Direct	objectSid	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OnPremisesSamAccountName	Direct	sAMAccountName	
 OofReplyToOriginator	Direct	oOFReplyToOriginator	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	

 ReportToOriginator	Direct	reportToOriginator	
 ReportToOwner	Direct	reportToOwner	
 SecurityEnabled	Expression	CBool(BitAnd([groupType], -2147483648))	
 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 UnauthOrig	Direct	unauthOrig	

inetOrgPerson

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	inetOrgPerson
Target Object Name	User
Enabled	True

inetOrgPerson Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 137 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 AccountEnabled	Expression	IIF(IsPresent([userAccountControl]), IIF(BitAnd([userAccountControl], 2)="0", "True", "False"), Not([accountDisabled]))	
 Alias	Direct	mailNickname	
 AltRecipient	Direct	altRecipient	
 Assistant	Direct	assistant	
 AuthOrig	Direct	authOrig	
 City	Expression	Trim([l])	
 CommonName	Direct	cn	
 Company	Expression	Trim([company])	
 Country	Expression	Trim([co])	
 CountryCode	Expression	IgnoreFlowIfNullOrEmpty([countryCode])	
 CountryLetterCode	Expression	Trim([c])	
 Department	Expression	Trim([department])	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	

 DnsDomainName	Constant	%DomainFQDN%	
 EmployeeId	Direct	employeeID	
 EmployeeType	Direct	employeeType	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	
 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	
 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 FacsimileTelephoneNumber	Expression	Trim([facsimileTelephoneNumber])	
 GivenName	Expression	Trim([givenName])	
 HomePhone	Expression	Trim([homePhone])	

 Info	Expression	Left(Trim([info]), 448)	
 Initials	Expression	Trim([initials])	
 IPPhone	Expression	Trim([ipPhone])	
 LastPasswordChangeTimestamp	Expression	IIF(IsPresent([pwdLastSet]), FormatDateTime(DateFromNum([pwdLastSet]), "RoundtripKind", , "yyyyMMddHHmmss.OZ"),)	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Expression	Trim([mail])	
 Manager	Direct	manager	
 MiddleName	Expression	Trim([middleName])	
 Mobile	Expression	Trim([mobile])	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSExchArchiveGuid	Direct	msExchArchiveGUID	
 MSExchArchiveName	Direct	msExchArchiveName	
 MSExchAssistantName	Direct	msExchAssistantName	
 MSExchAuditAdmin	Direct	msExchAuditAdmin	
 MSExchAuditDelegate	Direct	msExchAuditDelegate	
 MSExchAuditDelegateAdmin	Direct	msExchAuditDelegateAdmin	
 MSExchAuditOwner	Direct	msExchAuditOwner	
 MSExchBlockedSendersHash	Direct	msExchBlockedSendersHash	
 MSExchBypassAudit	Direct	msExchBypassAudit	
 MSExchDelegateListLink	Direct	msExchDelegateListLink	

 MExchElcExpirySuspensionEnd	Direct	msExchELCExpirySuspensionEnd	
 MExchElcExpirySuspensionStart	Direct	msExchELCExpirySuspensionStart	
 MExchElcMailboxFlags	Direct	msExchELCMailboxFlags	
 MExchEnableModeration	Direct	msExchEnableModeration	
 MExchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MExchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MExchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	
 MExchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MExchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MExchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MExchImmutableId	Direct	msExchImmutableId	
 MExchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MExchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MExchMailboxAuditEnable	Direct	msExchMailboxAuditEnable	
 MExchMailboxAuditLogAgeLimit	Direct	msExchMailboxAuditLogAgeLimit	
 MExchMailboxGuid	Direct	msExchMailboxGuid	
 MExchModeratedByLink	Direct	msExchModeratedByLink	
 MExchModerationFlags	Direct	msExchModerationFlags	
 MExchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MExchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MExchRemoteRecipientType	Direct	msExchRemoteRecipientType	

 MSeXchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MSeXchResourceCapacity	Direct	msExchResourceCapacity	
 MSeXchResourceDisplay	Direct	msExchResourceDisplay	
 MSeXchResourceMetadata	Direct	msExchResourceMetaData	
 MSeXchResourceSearchProperties	Direct	msExchResourceSearchProperties	
 MSeXchRetentionComment	Direct	msExchRetentionComment	
 MSeXchRetentionUrl	Direct	msExchRetentionURL	
 MSeXchSafeRecipientsHash	Direct	msExchSafeRecipientsHash	
 MSeXchSafeSendersHash	Direct	msExchSafeSendersHash	
 MSeXchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MSeXchTeamMailboxExpiration	Direct	msExchTeamMailboxExpiration	
 MSeXchTeamMailboxOwners	Direct	msExchTeamMailboxOwners	
 MSeXchTeamMailboxSharePointLinkedBy	Direct	msExchTeamMailboxSharePointLinkedBy	
 MSeXchTeamMailboxSharePointUrl	Direct	msExchTeamMailboxSharePointUrl	
 MSeXchUserHoldPolicies	Direct	msExchUserHoldPolicies	
 MSRtcSipApplicationOptions	Direct	msRTCSIP-ApplicationOptions	
 MSRtcSipDeploymentLocator	Direct	mSRTCSIP-DeploymentLocator	
 MSRtcSipLine	Direct	msRTCSIP-Line	
 MSRtcSipOptionFlags	Direct	msRTCSIP-OptionFlags	
 MSRtcSipOwnerUrn	Direct	msRTCSIP-OwnerUrn	
 MSRtcSipPrimaryUserAddress	Direct	msRTCSIP-PrimaryUserAddress	

 MSRTC SIP User Enabled	Direct	msRTCSIP-UserEnabled	
 NetBiosName	Constant	%DomainNetBios%	
 OnPremisesDistinguishedName	Direct	distinguishedName	
 OnPremisesSecurityIdentifier	Direct	objectSid	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OnPremisesSamAccountName	Direct	sAMAccountName	
 OnPremisesUserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 OtherFacsimileTelephoneNumber	Expression	Trim([otherFacsimileTelephoneNumber])	
 OtherHomePhone	Expression	Trim([otherHomePhone])	
 OtherIPPhone	Expression	Trim([otherIPPhone])	
 OtherMobile	Expression	Trim([otherMobile])	
 OtherPager	Expression	Trim([otherPager])	
 OtherTelephone	Expression	Trim([otherTelephone])	
 Pager	Expression	Trim([pager])	
 PhysicalDeliveryOfficeName	Expression	Trim([physicalDeliveryOfficeName])	
 PostalCode	Expression	Trim([postalCode])	
 PostOfficeBox	Expression	IIF(IsPresent([postOfficeBox]), Left(Trim(Item([postOfficeBox], 1)), 448), "")	
 PreferredDataLocation	Direct	msDS-preferredDataLocation	
 PreferredLanguage	Expression	Trim([preferredLanguage])	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	

 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 State	Expression	Trim([st])	
 StreetAddress	Expression	Trim([streetAddress])	
 Surname	Expression	Trim([sn])	
 TargetAddress	Direct	targetAddress	
 TelephoneAssistant	Expression	Trim([telephoneAssistant])	
 TelephoneNumber	Expression	Trim([telephoneNumber])	
 ThumbnailPhoto	Direct	thumbnailPhoto	
 Title	Expression	Trim([title])	
 UnauthOrig	Direct	unauthOrig	
 Url	Expression	IIF(IsPresent([url]), Left(Trim(Item([url], 1)), 448), "")	
 UsageLocation	Expression	IgnoreFlowIfNullOrEmpty([msExchUsageLocation])	
 UserCertificate	Direct	userCertificate	
 UserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 UserSMIMECertificate	Direct	userSMIMECertificate	
 WwwHomepage	Direct	wWWHomePage	

user

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	user
Target Object Name	User
Enabled	True

user Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 137 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 AccountEnabled	Expression	IIF(IsPresent([userAccountControl]), IIF(BitAnd([userAccountControl], 2)="0", "True", "False"), Not([accountDisabled]))	
 Alias	Direct	mailNickname	
 AltRecipient	Direct	altRecipient	
 Assistant	Direct	assistant	
 AuthOrig	Direct	authOrig	
 City	Expression	Trim([l])	
 CommonName	Direct	cn	
 Company	Expression	Trim([company])	
 Country	Expression	Trim([co])	
 CountryCode	Expression	IgnoreFlowIfNullOrEmpty([countryCode])	
 CountryLetterCode	Expression	Trim([c])	
 Department	Expression	Trim([department])	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	

 DnsDomainName	Constant	%DomainFQDN%	
 EmployeeId	Direct	employeeID	
 EmployeeType	Direct	employeeType	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	
 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	
 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 FacsimileTelephoneNumber	Expression	Trim([facsimileTelephoneNumber])	
 GivenName	Expression	Trim([givenName])	
 HomePhone	Expression	Trim([homePhone])	

 Info	Expression	Left(Trim([info]), 448)	
 Initials	Expression	Trim([initials])	
 IPPhone	Expression	Trim([ipPhone])	
 LastPasswordChangeTimestamp	Expression	IIF(IsPresent([pwdLastSet]), FormatDateTime(DateFromNum([pwdLastSet]), "RoundtripKind", , "yyyyMMddHHmmss.0Z"),)	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Expression	Trim([mail])	
 Manager	Direct	manager	
 MiddleName	Expression	Trim([middleName])	
 Mobile	Expression	Trim([mobile])	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSExchArchiveGuid	Direct	msExchArchiveGUID	
 MSExchArchiveName	Direct	msExchArchiveName	
 MSExchAssistantName	Direct	msExchAssistantName	
 MSExchAuditAdmin	Direct	msExchAuditAdmin	
 MSExchAuditDelegate	Direct	msExchAuditDelegate	
 MSExchAuditDelegateAdmin	Direct	msExchAuditDelegateAdmin	
 MSExchAuditOwner	Direct	msExchAuditOwner	
 MSExchBlockedSendersHash	Direct	msExchBlockedSendersHash	
 MSExchBypassAudit	Direct	msExchBypassAudit	
 MSExchDelegateListLink	Direct	msExchDelegateListLink	

 MExchElcExpirySuspensionEnd	Direct	msExchELCExpirySuspensionEnd	
 MExchElcExpirySuspensionStart	Direct	msExchELCExpirySuspensionStart	
 MExchElcMailboxFlags	Direct	msExchELCMailboxFlags	
 MExchEnableModeration	Direct	msExchEnableModeration	
 MExchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MExchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MExchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	
 MExchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MExchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MExchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MExchImmutableId	Direct	msExchImmutableId	
 MExchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MExchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MExchMailboxAuditEnable	Direct	msExchMailboxAuditEnable	
 MExchMailboxAuditLogAgeLimit	Direct	msExchMailboxAuditLogAgeLimit	
 MExchMailboxGuid	Direct	msExchMailboxGuid	
 MExchModeratedByLink	Direct	msExchModeratedByLink	
 MExchModerationFlags	Direct	msExchModerationFlags	
 MExchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MExchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MExchRemoteRecipientType	Direct	msExchRemoteRecipientType	

 MExchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MExchResourceCapacity	Direct	msExchResourceCapacity	
 MExchResourceDisplay	Direct	msExchResourceDisplay	
 MExchResourceMetadata	Direct	msExchResourceMetaData	
 MExchResourceSearchProperties	Direct	msExchResourceSearchProperties	
 MExchRetentionComment	Direct	msExchRetentionComment	
 MExchRetentionUrl	Direct	msExchRetentionURL	
 MExchSafeRecipientsHash	Direct	msExchSafeRecipientsHash	
 MExchSafeSendersHash	Direct	msExchSafeSendersHash	
 MExchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MExchTeamMailboxExpiration	Direct	msExchTeamMailboxExpiration	
 MExchTeamMailboxOwners	Direct	msExchTeamMailboxOwners	
 MExchTeamMailboxSharePointLinkedBy	Direct	msExchTeamMailboxSharePointLinkedBy	
 MExchTeamMailboxSharePointUrl	Direct	msExchTeamMailboxSharePointUrl	
 MExchUserHoldPolicies	Direct	msExchUserHoldPolicies	
 MSRtcSipApplicationOptions	Direct	msRTCSIP-ApplicationOptions	
 MSRtcSipDeploymentLocator	Direct	mSRTCSIP-DeploymentLocator	
 MSRtcSipLine	Direct	msRTCSIP-Line	
 MSRtcSipOptionFlags	Direct	msRTCSIP-OptionFlags	
 MSRtcSipOwnerUrn	Direct	msRTCSIP-OwnerUrn	
 MSRtcSipPrimaryUserAddress	Direct	msRTCSIP-PrimaryUserAddress	

 MSRtcSipUserEnabled	Direct	msRTCSIP-UserEnabled	
 NetBiosName	Constant	%DomainNetBios%	
 OnPremisesDistinguishedName	Direct	distinguishedName	
 OnPremiseSecurityIdentifier	Direct	objectSid	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OnPremisesSamAccountName	Direct	sAMAccountName	
 OnPremisesUserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 OtherFacsimileTelephoneNumber	Expression	Trim([otherFacsimileTelephoneNumber])	
 OtherHomePhone	Expression	Trim([otherHomePhone])	
 OtherIPPhone	Expression	Trim([otherIpPhone])	
 OtherMobile	Expression	Trim([otherMobile])	
 OtherPager	Expression	Trim([otherPager])	
 OtherTelephone	Expression	Trim([otherTelephone])	
 Pager	Expression	Trim([pager])	
 PhysicalDeliveryOfficeName	Expression	Trim([physicalDeliveryOfficeName])	
 PostalCode	Expression	Trim([postalCode])	
 PostOfficeBox	Expression	IIF(IsPresent([postOfficeBox]), Left(Trim(Item([postOfficeBox], 1)), 448), "")	
 PreferredDataLocation	Direct	msDS-preferredDataLocation	
 PreferredLanguage	Expression	Trim([preferredLanguage])	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	

 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 State	Expression	Trim([st])	
 StreetAddress	Expression	Trim([streetAddress])	
 Surname	Expression	Trim([sn])	
 TargetAddress	Direct	targetAddress	
 TelephoneAssistant	Expression	Trim([telephoneAssistant])	
 TelephoneNumber	Expression	Trim([telephoneNumber])	
 ThumbnailPhoto	Direct	thumbnailPhoto	
 Title	Expression	Trim([title])	
 UnauthOrig	Direct	unauthOrig	
 Url	Expression	IIF(IsPresent([url]), Left(Trim(Item([url], 1)), 448), "")	
 UsageLocation	Expression	IgnoreFlowIfNullOrEmpty([msExchUsageLocation])	
 UserCertificate	Direct	userCertificate	
 UserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 UserSMIMECertificate	Direct	userSMIMECertificate	
 WwwHomepage	Direct	wWWHomePage	

demo2025connect.int (AD to Microsoft Entra ID)

Cloud Sync configurations define which objects and attributes are in scope for synchronization, controlling how users, groups, and contacts flow from Active Directory to Entra ID - and, where supported, how selected attributes can flow back from Entra ID to Active Directory.

General

Configuration Type	AD to Microsoft Entra ID
Domain Name	demo2025connect.int
Service Principal Identifier	db5e069f-2822-4638-bc2d-22f278f534fe
Status	Disabled

Domain Information

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

Settings

Email Notifications	True
Email Notifications Recipient	
Prevent Accidental Deletion	True
Accidental Deletion Threshold	500
Exchange Hybrid Writeback	False
Password Hash Sync	False

1 Agents

Machine Name	External IP Address	Status	Resources
 DEMO2025-DC02.demo2025connect.int	86.24.192.254	Active	demo2025connect.int

2 Job Statuses

Display Name	Status	Last Run Date/Time
 Password hash sync	Paused	[Not Configured]
 User and group sync	Paused	[Not Configured]

Scoping Filters

Scoping filters in Microsoft Entra Cloud Sync are conditional rules that determine which directory objects are included in a given sync flow.

Scoping Filters

Filter Type	All users
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Object Mappings

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

4 Object Mappings

Source Object Name	Target Object Name	Enabled
 contact	Contact	True
 group	Group	True
 inetOrgPerson	User	True
 user	User	True

contact

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	contact
Target Object Name	Contact
Enabled	True

contact Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 89 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 Alias	Direct	mailNickname	
 Assistant	Direct	assistant	
 AuthOrig	Direct	authOrig	
 City	Expression	Trim([I])	
 Company	Expression	Trim([company])	
 Country	Expression	Trim([co])	
 CountryCode	Direct	countryCode	
 CountryLetterCode	Expression	Trim([c])	
 Department	Expression	Trim([department])	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	
 DnsDomainName	Constant	%DomainFQDN%	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	

 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	
 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 FacsimileTelephoneNumber	Expression	Trim([facsimileTelephoneNumber])	
 GivenName	Expression	Trim([givenName])	
 HomePhone	Expression	Trim([homePhone])	
 Info	Expression	Left(Trim([info]), 448)	
 Initials	Expression	Trim([initials])	
 IPPhone	Expression	Trim([ipPhone])	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Expression	Trim([mail])	

 Manager	Direct	manager	
 MiddleName	Expression	Trim([middleName])	
 Mobile	Expression	Trim([mobile])	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSEchAssistantName	Direct	msExchAssistantName	
 MSEchBlockedSendersHash	Direct	msExchBlockedSendersHash	
 MSEchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MSEchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MSEchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	
 MSEchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MSEchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MSEchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MSEchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MSEchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MSEchModeratedByLink	Direct	msExchModeratedByLink	
 MSEchModerationFlags	Direct	msExchModerationFlags	
 MSEchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MSEchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MSEchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MSEchRetentionComment	Direct	msExchRetentionComment	

 MExchRetentionUrl	Direct	msExchRetentionURL	
 MExchSafeRecipientsHash	Direct	msExchSafeRecipientsHash	
 MExchSafeSendersHash	Direct	msExchSafeSendersHash	
 MExchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MSRtcSipPrimaryUserAddress	Direct	msRTCSIP-PrimaryUserAddress	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OtherFacsimileTelephoneNumber	Expression	Trim([otherFacsimileTelephoneNumber])	
 OtherHomePhone	Expression	Trim([otherHomePhone])	
 OtherIPPhone	Expression	Trim([otherIpPhone])	
 OtherMobile	Expression	Trim([otherMobile])	
 OtherPager	Expression	Trim([otherPager])	
 OtherTelephone	Expression	Trim([otherTelephone])	
 Pager	Expression	Trim([pager])	
 PhysicalDeliveryOfficeName	Expression	Trim([physicalDeliveryOfficeName])	
 PostalCode	Expression	Trim([postalCode])	
 PostOfficeBox	Expression	IIF(IsPresent([postOfficeBox]), Left(Trim(Item([postOfficeBox], 1)), 448), "")	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	
 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 State	Expression	Trim([st])	
 StreetAddress	Expression	Trim([streetAddress])	

 Surname	Expression	Trim([sn])	
 TargetAddress	Direct	targetAddress	
 TelephoneNumber	Expression	Trim([telephoneNumber])	
 ThumbnailPhoto	Direct	thumbnailPhoto	
 Title	Expression	Trim([title])	
 UnauthOrig	Direct	unauthOrig	
 Url	Expression	IIF(IsPresent([url]), Left(Trim(Item([url], 1)), 448), "")	
 UserCertificate	Direct	userCertificate	
 UserSMIMECertificate	Direct	userSMIMECertificate	
 WwwHomepage	Direct	wWWHomePage	

group

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	group
Target Object Name	Group
Enabled	True

group Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

63 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 Alias	Direct	mailNickname	
 AuthOrig	Direct	authOrig	
 CommonName	Direct	cn	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	
 DnsDomainName	Constant	%DomainFQDN%	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	
 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	

 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 HideDLMembership	Direct	hideDLMembership	
 Info	Expression	Left(Trim([info]), 448)	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Direct	mail	
 ManagedBy	Direct	managedBy	
 Member	Direct	member	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSeXchBypassModerationLink	Direct	msExchBypassModerationLink	
 MSeXchCoManagedByLink	Direct	msExchCoManagedByLink	
 MSeXchEnableModeration	Direct	msExchEnableModeration	
 MSeXchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MSeXchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MSeXchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	

 MSeXchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MSeXchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MSeXchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MSeXchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MSeXchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MSeXchModeratedByLink	Direct	msExchModeratedByLink	
 MSeXchModerationFlags	Direct	msExchModerationFlags	
 MSeXchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MSeXchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MSeXchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MSeXchRetentionComment	Direct	msExchRetentionComment	
 MSeXchRetentionUrl	Direct	msExchRetentionURL	
 MSeXchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MSOrgIsOrganizational	Direct	msOrg-IsOrganizational	
 NetBiosName	Constant	%DomainNetBios%	
 OnPremiseSecurityIdentifier	Direct	objectSid	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OnPremisesSamAccountName	Direct	sAMAccountName	
 OofReplyToOriginator	Direct	oOFReplyToOriginator	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	

 ReportToOriginator	Direct	reportToOriginator	
 ReportToOwner	Direct	reportToOwner	
 SecurityEnabled	Expression	CBool(BitAnd([groupType], -2147483648))	
 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 UnauthOrig	Direct	unauthOrig	

inetOrgPerson

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	inetOrgPerson
Target Object Name	User
Enabled	True

inetOrgPerson Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 137 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 AccountEnabled	Expression	IIF(IsPresent([userAccountControl]), IIF(BitAnd([userAccountControl], 2)="0", "True", "False"), Not([accountDisabled]))	
 Alias	Direct	mailNickname	
 AltRecipient	Direct	altRecipient	
 Assistant	Direct	assistant	
 AuthOrig	Direct	authOrig	
 City	Expression	Trim([l])	
 CommonName	Direct	cn	
 Company	Expression	Trim([company])	
 Country	Expression	Trim([co])	
 CountryCode	Expression	IgnoreFlowIfNullOrEmpty([countryCode])	
 CountryLetterCode	Expression	Trim([c])	
 Department	Expression	Trim([department])	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	

 DnsDomainName	Constant	%DomainFQDN%	
 EmployeeId	Direct	employeeID	
 EmployeeType	Direct	employeeType	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	
 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	
 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 FacsimileTelephoneNumber	Expression	Trim([facsimileTelephoneNumber])	
 GivenName	Expression	Trim([givenName])	
 HomePhone	Expression	Trim([homePhone])	

 Info	Expression	Left(Trim([info]), 448)	
 Initials	Expression	Trim([initials])	
 IPPhone	Expression	Trim([ipPhone])	
 LastPasswordChangeTimestamp	Expression	IIF(IsPresent([pwdLastSet]), FormatDateTime(DateFromNum([pwdLastSet]), "RoundtripKind", , "yyyyMMddHHmmss.OZ"),)	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Expression	Trim([mail])	
 Manager	Direct	manager	
 MiddleName	Expression	Trim([middleName])	
 Mobile	Expression	Trim([mobile])	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSExchArchiveGuid	Direct	msExchArchiveGUID	
 MSExchArchiveName	Direct	msExchArchiveName	
 MSExchAssistantName	Direct	msExchAssistantName	
 MSExchAuditAdmin	Direct	msExchAuditAdmin	
 MSExchAuditDelegate	Direct	msExchAuditDelegate	
 MSExchAuditDelegateAdmin	Direct	msExchAuditDelegateAdmin	
 MSExchAuditOwner	Direct	msExchAuditOwner	
 MSExchBlockedSendersHash	Direct	msExchBlockedSendersHash	
 MSExchBypassAudit	Direct	msExchBypassAudit	
 MSExchDelegateListLink	Direct	msExchDelegateListLink	

 MExchElcExpirySuspensionEnd	Direct	msExchELCExpirySuspensionEnd	
 MExchElcExpirySuspensionStart	Direct	msExchELCExpirySuspensionStart	
 MExchElcMailboxFlags	Direct	msExchELCMailboxFlags	
 MExchEnableModeration	Direct	msExchEnableModeration	
 MExchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MExchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MExchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	
 MExchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MExchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MExchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MExchImmutableId	Direct	msExchImmutableId	
 MExchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MExchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MExchMailboxAuditEnable	Direct	msExchMailboxAuditEnable	
 MExchMailboxAuditLogAgeLimit	Direct	msExchMailboxAuditLogAgeLimit	
 MExchMailboxGuid	Direct	msExchMailboxGuid	
 MExchModeratedByLink	Direct	msExchModeratedByLink	
 MExchModerationFlags	Direct	msExchModerationFlags	
 MExchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MExchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MExchRemoteRecipientType	Direct	msExchRemoteRecipientType	

 MExchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MExchResourceCapacity	Direct	msExchResourceCapacity	
 MExchResourceDisplay	Direct	msExchResourceDisplay	
 MExchResourceMetadata	Direct	msExchResourceMetaData	
 MExchResourceSearchProperties	Direct	msExchResourceSearchProperties	
 MExchRetentionComment	Direct	msExchRetentionComment	
 MExchRetentionUrl	Direct	msExchRetentionURL	
 MExchSafeRecipientsHash	Direct	msExchSafeRecipientsHash	
 MExchSafeSendersHash	Direct	msExchSafeSendersHash	
 MExchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MExchTeamMailboxExpiration	Direct	msExchTeamMailboxExpiration	
 MExchTeamMailboxOwners	Direct	msExchTeamMailboxOwners	
 MExchTeamMailboxSharePointLinkedBy	Direct	msExchTeamMailboxSharePointLinkedBy	
 MExchTeamMailboxSharePointUrl	Direct	msExchTeamMailboxSharePointUrl	
 MExchUserHoldPolicies	Direct	msExchUserHoldPolicies	
 MSRtcSipApplicationOptions	Direct	msRTCSIP-ApplicationOptions	
 MSRtcSipDeploymentLocator	Direct	mSRtCSIP-DeploymentLocator	
 MSRtcSipLine	Direct	msRTCSIP-Line	
 MSRtcSipOptionFlags	Direct	msRTCSIP-OptionFlags	
 MSRtcSipOwnerUrn	Direct	msRTCSIP-OwnerUrn	
 MSRtcSipPrimaryUserAddress	Direct	msRTCSIP-PrimaryUserAddress	

 MSRtcSipUserEnabled	Direct	msRTCSIP-UserEnabled	
 NetBiosName	Constant	%DomainNetBios%	
 OnPremisesDistinguishedName	Direct	distinguishedName	
 OnPremiseSecurityIdentifier	Direct	objectSid	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OnPremisesSamAccountName	Direct	sAMAccountName	
 OnPremisesUserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 OtherFacsimileTelephoneNumber	Expression	Trim([otherFacsimileTelephoneNumber])	
 OtherHomePhone	Expression	Trim([otherHomePhone])	
 OtherIPPhone	Expression	Trim([otherIpPhone])	
 OtherMobile	Expression	Trim([otherMobile])	
 OtherPager	Expression	Trim([otherPager])	
 OtherTelephone	Expression	Trim([otherTelephone])	
 Pager	Expression	Trim([pager])	
 PhysicalDeliveryOfficeName	Expression	Trim([physicalDeliveryOfficeName])	
 PostalCode	Expression	Trim([postalCode])	
 PostOfficeBox	Expression	IIF(IsPresent([postOfficeBox]), Left(Trim(Item([postOfficeBox], 1)), 448), "")	
 PreferredDataLocation	Direct	msDS-preferredDataLocation	
 PreferredLanguage	Expression	Trim([preferredLanguage])	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	

 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 State	Expression	Trim([st])	
 StreetAddress	Expression	Trim([streetAddress])	
 Surname	Expression	Trim([sn])	
 TargetAddress	Direct	targetAddress	
 TelephoneAssistant	Expression	Trim([telephoneAssistant])	
 TelephoneNumber	Expression	Trim([telephoneNumber])	
 ThumbnailPhoto	Direct	thumbnailPhoto	
 Title	Expression	Trim([title])	
 UnauthOrig	Direct	unauthOrig	
 Url	Expression	IIF(IsPresent([url]), Left(Trim(Item([url], 1)), 448), "")	
 UsageLocation	Expression	IgnoreFlowIfNullOrEmpty([msExchUsageLocation])	
 UserCertificate	Direct	userCertificate	
 UserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 UserSMIMECertificate	Direct	userSMIMECertificate	
 WwwHomepage	Direct	wWWHomePage	

user

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	user
Target Object Name	User
Enabled	True

user Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 137 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 AccountEnabled	Expression	IIF(IsPresent([userAccountControl]), IIF(BitAnd([userAccountControl], 2)="0", "True", "False"), Not([accountDisabled]))	
 Alias	Direct	mailNickname	
 AltRecipient	Direct	altRecipient	
 Assistant	Direct	assistant	
 AuthOrig	Direct	authOrig	
 City	Expression	Trim([l])	
 CommonName	Direct	cn	
 Company	Expression	Trim([company])	
 Country	Expression	Trim([co])	
 CountryCode	Expression	IgnoreFlowIfNullOrEmpty([countryCode])	
 CountryLetterCode	Expression	Trim([c])	
 Department	Expression	Trim([department])	
 Description	Expression	Left(Trim([description]), 448)	
 DisplayName	Expression	IIF(IsPresent([displayName]), [displayName], [cn])	
 DLMemRejectPerms	Direct	dLMemRejectPerms	
 DLMemSubmitPerms	Direct	dLMemSubmitPerms	

 DnsDomainName	Constant	%DomainFQDN%	
 EmployeeId	Direct	employeeID	
 EmployeeType	Direct	employeeType	
 ExtensionAttribute1	Expression	Trim([extensionAttribute1])	
 ExtensionAttribute10	Expression	Trim([extensionAttribute10])	
 ExtensionAttribute11	Expression	Trim([extensionAttribute11])	
 ExtensionAttribute12	Expression	Trim([extensionAttribute12])	
 ExtensionAttribute13	Expression	Trim([extensionAttribute13])	
 ExtensionAttribute14	Expression	Trim([extensionAttribute14])	
 ExtensionAttribute15	Expression	Trim([extensionAttribute15])	
 ExtensionAttribute2	Expression	Trim([extensionAttribute2])	
 ExtensionAttribute3	Expression	Trim([extensionAttribute3])	
 ExtensionAttribute4	Expression	Trim([extensionAttribute4])	
 ExtensionAttribute5	Expression	Trim([extensionAttribute5])	
 ExtensionAttribute6	Expression	Trim([extensionAttribute6])	
 ExtensionAttribute7	Expression	Trim([extensionAttribute7])	
 ExtensionAttribute8	Expression	Trim([extensionAttribute8])	
 ExtensionAttribute9	Expression	Trim([extensionAttribute9])	
 FacsimileTelephoneNumber	Expression	Trim([facsimileTelephoneNumber])	
 GivenName	Expression	Trim([givenName])	
 HomePhone	Expression	Trim([homePhone])	

 Info	Expression	Left(Trim([info]), 448)	
 Initials	Expression	Trim([initials])	
 IPPhone	Expression	Trim([ipPhone])	
 LastPasswordChangeTimestamp	Expression	IIF(IsPresent([pwdLastSet]), FormatDateTime(DateFromNum([pwdLastSet]), "RoundtripKind", , "yyyyMMddHHmmss.OZ"),)	
 LegacyExchangeDN	Direct	legacyExchangeDN	
 Mail	Expression	Trim([mail])	
 Manager	Direct	manager	
 MiddleName	Expression	Trim([middleName])	
 Mobile	Expression	Trim([mobile])	
 MSDSHABSeniorityIndex	Direct	msDS-HABSeniorityIndex	
 MSDSPhoneticDisplayName	Direct	msDS-PhoneticDisplayName	
 MSExchArchiveGuid	Direct	msExchArchiveGUID	
 MSExchArchiveName	Direct	msExchArchiveName	
 MSExchAssistantName	Direct	msExchAssistantName	
 MSExchAuditAdmin	Direct	msExchAuditAdmin	
 MSExchAuditDelegate	Direct	msExchAuditDelegate	
 MSExchAuditDelegateAdmin	Direct	msExchAuditDelegateAdmin	
 MSExchAuditOwner	Direct	msExchAuditOwner	
 MSExchBlockedSendersHash	Direct	msExchBlockedSendersHash	
 MSExchBypassAudit	Direct	msExchBypassAudit	
 MSExchDelegateListLink	Direct	msExchDelegateListLink	

 MExchElcExpirySuspensionEnd	Direct	msExchELCExpirySuspensionEnd	
 MExchElcExpirySuspensionStart	Direct	msExchELCExpirySuspensionStart	
 MExchElcMailboxFlags	Direct	msExchELCMailboxFlags	
 MExchEnableModeration	Direct	msExchEnableModeration	
 MExchExtensionCustomAttribute1	Expression	Trim([msExchExtensionCustomAttribute1])	
 MExchExtensionCustomAttribute2	Expression	Trim([msExchExtensionCustomAttribute2])	
 MExchExtensionCustomAttribute3	Expression	Trim([msExchExtensionCustomAttribute3])	
 MExchExtensionCustomAttribute4	Expression	Trim([msExchExtensionCustomAttribute4])	
 MExchExtensionCustomAttribute5	Expression	Trim([msExchExtensionCustomAttribute5])	
 MExchHideFromAddressLists	Direct	msExchHideFromAddressLists	
 MExchImmutableId	Direct	msExchImmutableId	
 MExchLitigationHoldDate	Direct	msExchLitigationHoldDate	
 MExchLitigationHoldOwner	Direct	msExchLitigationHoldOwner	
 MExchMailboxAuditEnable	Direct	msExchMailboxAuditEnable	
 MExchMailboxAuditLogAgeLimit	Direct	msExchMailboxAuditLogAgeLimit	
 MExchMailboxGuid	Direct	msExchMailboxGuid	
 MExchModeratedByLink	Direct	msExchModeratedByLink	
 MExchModerationFlags	Direct	msExchModerationFlags	
 MExchRecipientDisplayType	Direct	msExchRecipientDisplayType	
 MExchRecipientTypeDetails	Direct	msExchRecipientTypeDetails	
 MExchRemoteRecipientType	Direct	msExchRemoteRecipientType	

 MExchRequireAuthToSendTo	Direct	msExchRequireAuthToSendTo	
 MExchResourceCapacity	Direct	msExchResourceCapacity	
 MExchResourceDisplay	Direct	msExchResourceDisplay	
 MExchResourceMetadata	Direct	msExchResourceMetaData	
 MExchResourceSearchProperties	Direct	msExchResourceSearchProperties	
 MExchRetentionComment	Direct	msExchRetentionComment	
 MExchRetentionUrl	Direct	msExchRetentionURL	
 MExchSafeRecipientsHash	Direct	msExchSafeRecipientsHash	
 MExchSafeSendersHash	Direct	msExchSafeSendersHash	
 MExchSenderHintTranslations	Direct	msExchSenderHintTranslations	
 MExchTeamMailboxExpiration	Direct	msExchTeamMailboxExpiration	
 MExchTeamMailboxOwners	Direct	msExchTeamMailboxOwners	
 MExchTeamMailboxSharePointLinkedBy	Direct	msExchTeamMailboxSharePointLinkedBy	
 MExchTeamMailboxSharePointUrl	Direct	msExchTeamMailboxSharePointUrl	
 MExchUserHoldPolicies	Direct	msExchUserHoldPolicies	
 MSRtcSipApplicationOptions	Direct	msRTCSIP-ApplicationOptions	
 MSRtcSipDeploymentLocator	Direct	mSRtCSIP-DeploymentLocator	
 MSRtcSipLine	Direct	msRTCSIP-Line	
 MSRtcSipOptionFlags	Direct	msRTCSIP-OptionFlags	
 MSRtcSipOwnerUrn	Direct	msRTCSIP-OwnerUrn	
 MSRtcSipPrimaryUserAddress	Direct	msRTCSIP-PrimaryUserAddress	

 MSRtcSipUserEnabled	Direct	msRTCSIP-UserEnabled	
 NetBiosName	Constant	%DomainNetBios%	
 OnPremisesDistinguishedName	Direct	distinguishedName	
 OnPremiseSecurityIdentifier	Direct	objectSid	
 OnPremisesObjectIdentifier	Direct	objectGUID	
 OnPremisesSamAccountName	Direct	sAMAccountName	
 OnPremisesUserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 OtherFacsimileTelephoneNumber	Expression	Trim([otherFacsimileTelephoneNumber])	
 OtherHomePhone	Expression	Trim([otherHomePhone])	
 OtherIPPhone	Expression	Trim([otherIpPhone])	
 OtherMobile	Expression	Trim([otherMobile])	
 OtherPager	Expression	Trim([otherPager])	
 OtherTelephone	Expression	Trim([otherTelephone])	
 Pager	Expression	Trim([pager])	
 PhysicalDeliveryOfficeName	Expression	Trim([physicalDeliveryOfficeName])	
 PostalCode	Expression	Trim([postalCode])	
 PostOfficeBox	Expression	IIF(IsPresent([postOfficeBox]), Left(Trim(Item([postOfficeBox], 1)), 448), "")	
 PreferredDataLocation	Direct	msDS-preferredDataLocation	
 PreferredLanguage	Expression	Trim([preferredLanguage])	
 ProxyAddresses	Expression	RemoveDuplicates(Trim([proxyAddresses]))	
 PublicDelegates	Direct	publicDelegates	

 SourceAnchor	Expression	IIF(IsPresent([mS-DS-ConsistencyGuid]), [mS-DS-ConsistencyGuid], [objectGUID])	
 State	Expression	Trim([st])	
 StreetAddress	Expression	Trim([streetAddress])	
 Surname	Expression	Trim([sn])	
 TargetAddress	Direct	targetAddress	
 TelephoneAssistant	Expression	Trim([telephoneAssistant])	
 TelephoneNumber	Expression	Trim([telephoneNumber])	
 ThumbnailPhoto	Direct	thumbnailPhoto	
 Title	Expression	Trim([title])	
 UnauthOrig	Direct	unauthOrig	
 Url	Expression	IIF(IsPresent([url]), Left(Trim(Item([url], 1)), 448), "")	
 UsageLocation	Expression	IgnoreFlowIfNullOrEmpty([msExchUsageLocation])	
 UserCertificate	Direct	userCertificate	
 UserPrincipalName	Expression	IIF(IsPresent([userPrincipalName]), [userPrincipalName], IIF(IsPresent([sAMAccountName]), Join("@", [sAMAccountName], %DomainFQDN%), Error("AccountName is not present")))	
 UserSMIMECertificate	Direct	userSMIMECertificate	
 WwwHomepage	Direct	wWWHomePage	

demo2025.int (Microsoft Entra ID to AD)

Cloud Sync configurations define which objects and attributes are in scope for synchronization, controlling how users, groups, and contacts flow from Active Directory to Entra ID - and, where supported, how selected attributes can flow back from Entra ID to Active Directory.

General

Configuration Type	Microsoft Entra ID to AD
Domain Name	demo2025.int
Service Principal Identifier	875c8039-70aa-4fc9-ac70-47141bb6e564
Status	Not Run

Domain Information

Domain Name	demo2025.int
Domain NetBIOS Name	DEMO2025
Domain Discovery Date	29 December 2025 15:16:50
Forest Name	demo2025.int
Forest NetBIOS Name	DEMO2025

Settings

Email Notifications	True
Email Notifications Recipient	dhomer@centrel-solutions.com
Prevent Accidental Deletion	True
Accidental Deletion Threshold	123

1 Agents

Machine Name	External IP Address	Status	Resources
 DEMO2025-DC01.demo2025.int	86.24.192.254	Active	demo2025.int

1 Job Statuses

Display Name	Status	Last Run Date/Time
 Group provisioning to Active Directory	NotRun	[Not Configured]

Scoping Filters

Scoping filters in Microsoft Entra Cloud Sync are conditional rules that determine which directory objects are included in a given sync flow.

Groups

Groups Scope	Selected security groups
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2 Selected Groups

Display Name	Identifier
 Sample Security Group	9077cc1b-243c-4f98-9a59-c8199e5e6901
 Sample Security Roles Group	c6a06a35-054c-42c1-a90a-80adaac156aa

Target Container

Target Container	CN=Users,DC=demo2025,DC=int
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2 Attribute Filters

Clause	Name	Scoping Phrase
	Sample Filter 1	extensionAttribute1 EQUALS Example
 OR	Sample Filter 2	extensionAttribute9 GREATER_THAN 1 AND extensionAttribute3 INCLUDES Example

Object Mappings

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 2 Object Mappings

Source Object Name	Target Object Name	Enabled
 Group	group	True
 User	user	True

Group

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	Group
Target Object Name	group
Enabled	True

Group Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

9 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 adminDescription	Expression	Append("Group_", [objectId])	
 cn	Expression	Append(Append(Left(Trim([displayName]), 51), "_"), Mid([objectId], 25, 12))	
 description	Expression	Left(Trim([description]), 448)	
 displayName	Direct	displayName	
 isSecurityGroup	Constant	"True"	
 member	Direct	members	
 msDS-ExternalDirectoryObjectId	Expression	Append("Group_", [objectId])	
 parentDistinguishedName	Constant	"CN=Users,DC=demo2025,DC=int"	CN=Users,DC=demo2025,DC=int
 universalScope	Constant	"True"	

User

Object mappings in Microsoft Entra Cloud Sync define how attributes from on-premises Active Directory objects (such as users or groups) are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

 General

Source Object Name	User
Target Object Name	user
Enabled	True

User Attribute Mappings

Attribute mappings in Microsoft Entra Cloud Sync define how attributes from the specified on-premises Active Directory object are matched, transformed, and synchronized with their corresponding objects in Entra ID, and where supported, how selected attributes flow back from Entra ID to Active Directory.

1 Attribute Mappings

Target Attribute Name	Source Type	Source Value	Default Value
 msDS-ExternalDirectoryObjectId	Expression	Append("User_", [objectId])	

About XIA Configuration

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