

Microsoft Entra Connect

A Comprehensive Guide to Hybrid Identity Synchronization

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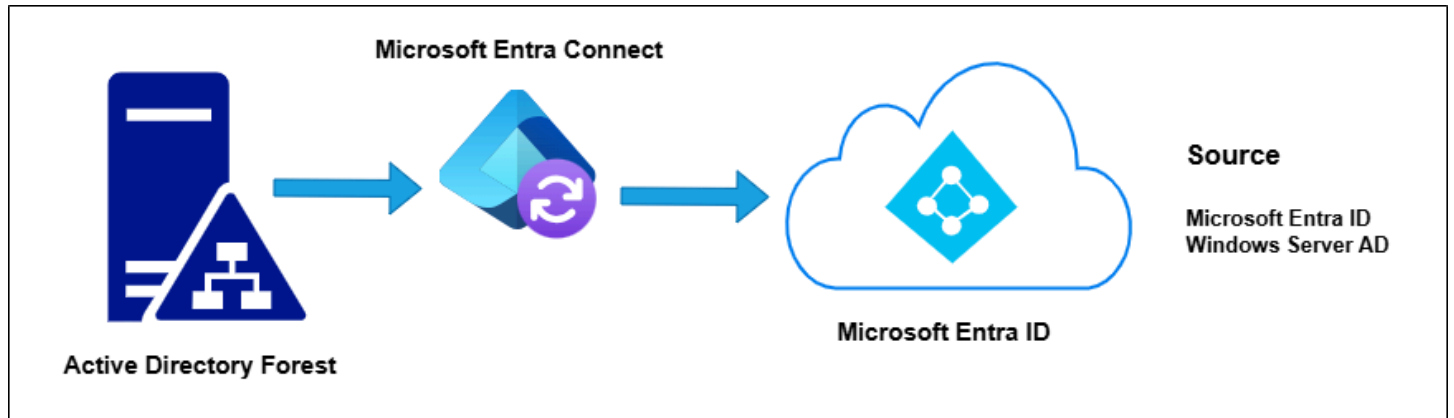
Topics:

- Entra Connect Architecture Fundamentals
 - Sync Process Phases
 - Types Of Filtering
 - Synchronization Rule Editor
 - Sync Rule hierarchy
 - Connector Configuration & Attribute Flow Mapping
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Entra Connect Architecture Fundamentals

Microsoft AAD Connect (Now Microsoft Entra Connect) is a hybrid identity bridge tool that synchronizes your on-premises Active Directory (AD) with Microsoft Entra ID (formerly Azure AD).

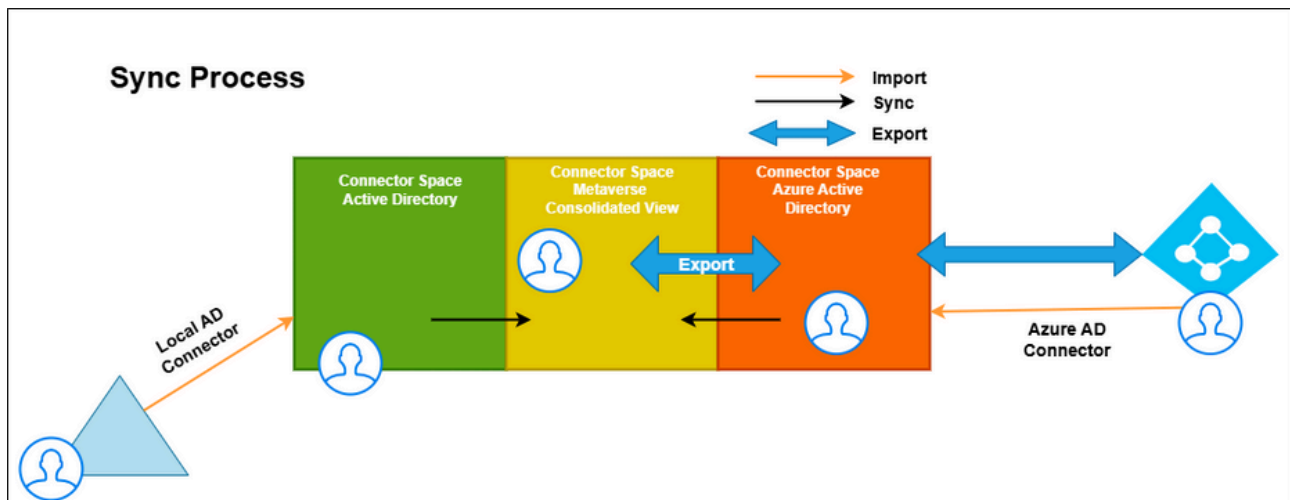
It enables a single identity for users across on-premises and cloud environments, allowing them to use the same credentials to access resources like Microsoft 365, Azure, and other cloud apps



- The Users, groups & Devices on On-prem can be synced to Entra ID by using AAD Connect tool. The tool has its own inbuilt logic and database on behalf of which, one consolidated data image is maintained all across the connected data sources.
 - The connected data source here means either the local AD connector source or Entra ID connector source.
 - There is a periodic communication that always happens between these connector sources and AAD Connect. The APIs that are responsible for this are called Connectors.
 - With the help of Local AD connector, AAD Connect pulls information from On-prem AD and with the help of Entra ID connector, the same information is exported to Entra ID.
 - Connectors are basically a medium on behalf of which AAD Connect, as an application tool communicates with the connector sources.
 - The database of AAD Connect has three logical sub-divisions, which are called as connector space of Local Active Directory, Connector space of Azure Active Directory and Connector space of Metaverse; where you can see the consolidated view of an object that has to be synced to the cloud.
 - There are two types of processes to sync an object: Delta Sync process and Full Sync process. In Delta sync process, only the attributes that are updated, deleted or removed i.e. only the changes that are done to the objects are queried. In Full sync process, the entire objects and the respective attributes are being queried.
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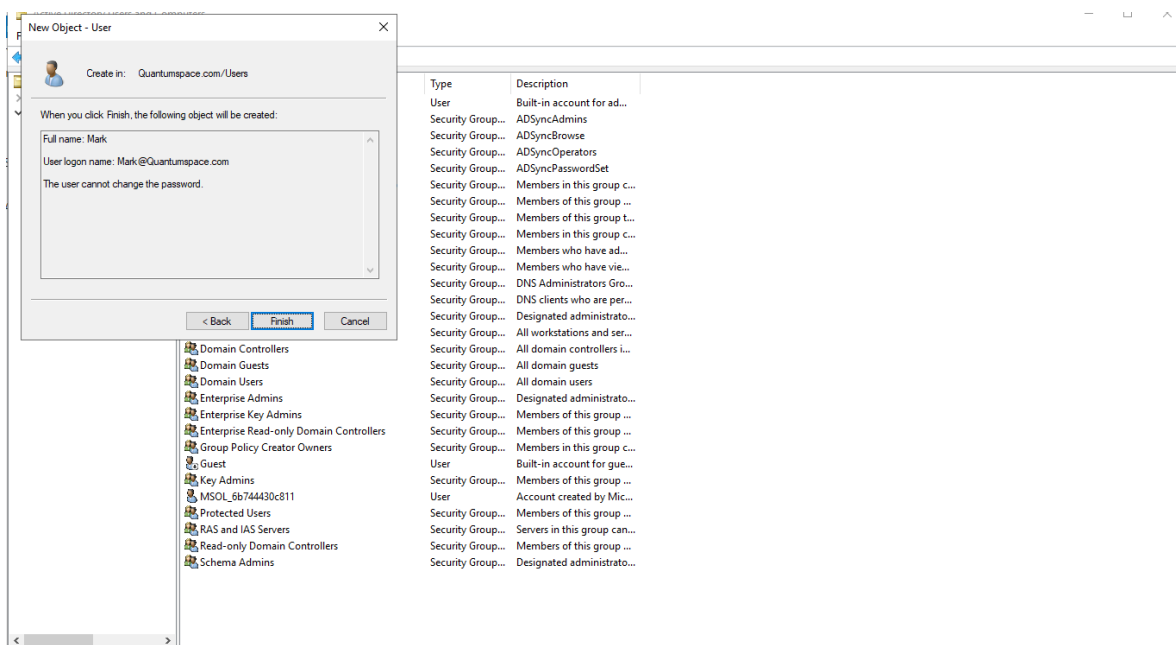
Sync Process Phases

- Both Delta and Full sync process has three phases; Import, Sync and Export.
- The very first process which will be initiated will be the import on the local AD connector, so that the information from DC can be saved to the connector space of the local AD.
- Similarly, next process will be an import from Entra ID to the AAD connector space.
- Once the import is complete from On-prem as well as from Entra ID, a sync process will happen between the local AD connector space and Metaverse space. This will create an image or replica of the object in metaverse with a flag 'Add', this means there is a new user object created which needs to be exported to the cloud.
- The next process will be a sync from AAD connector space to metaverse; incase any new change in the objects of Entra ID reported, will be synced in the metaverse.
- The last process is the export which will be done on the AAD connector space. This will create an image of the object(to be synced to cloud) in connector space of AAD and will export it to Entra ID.
- When this whole process is completed, an acknowledgement flag of waiting export confirmation can be seen. This means that though information is being replicated AAD connector space to Entra ID, but the particular information is not yet acknowledged that it has been imported to Entra ID.
- In order to verify if the object is being successfully imported to Entra ID, an import can be run on the AAD connector that will remove the awaiting export confirmation flag from the particular object.



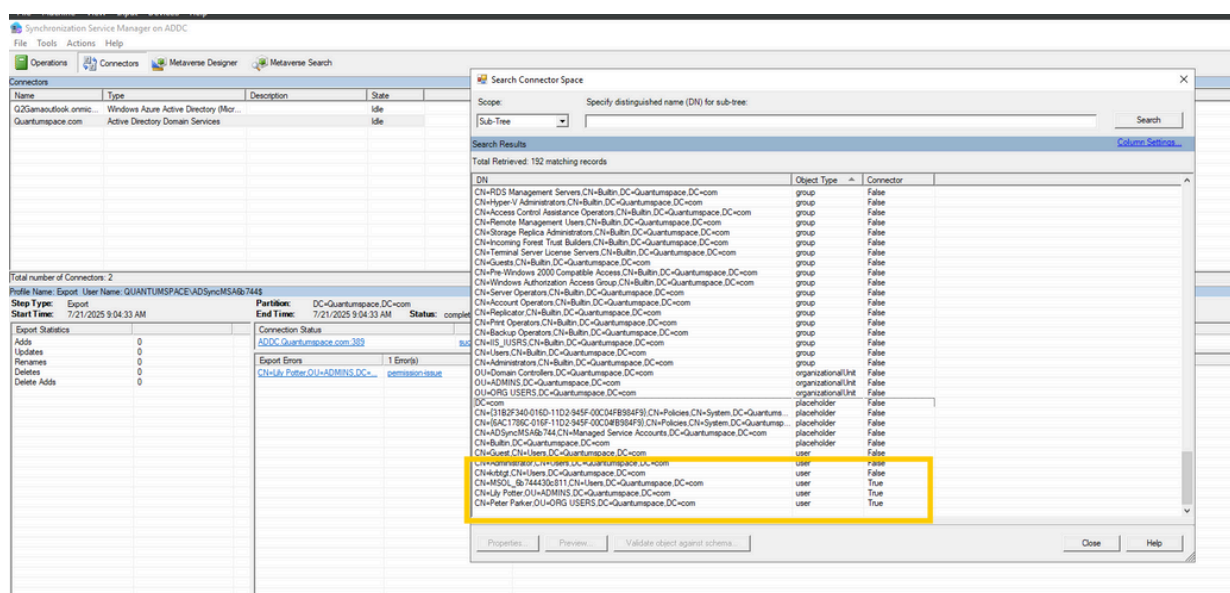
Example:

- Create a new object in local AD, go to AD users & Computers and create a new user: Mark. All the OUs in this demonstration are synced with Entra ID, there has been no filtering done here.

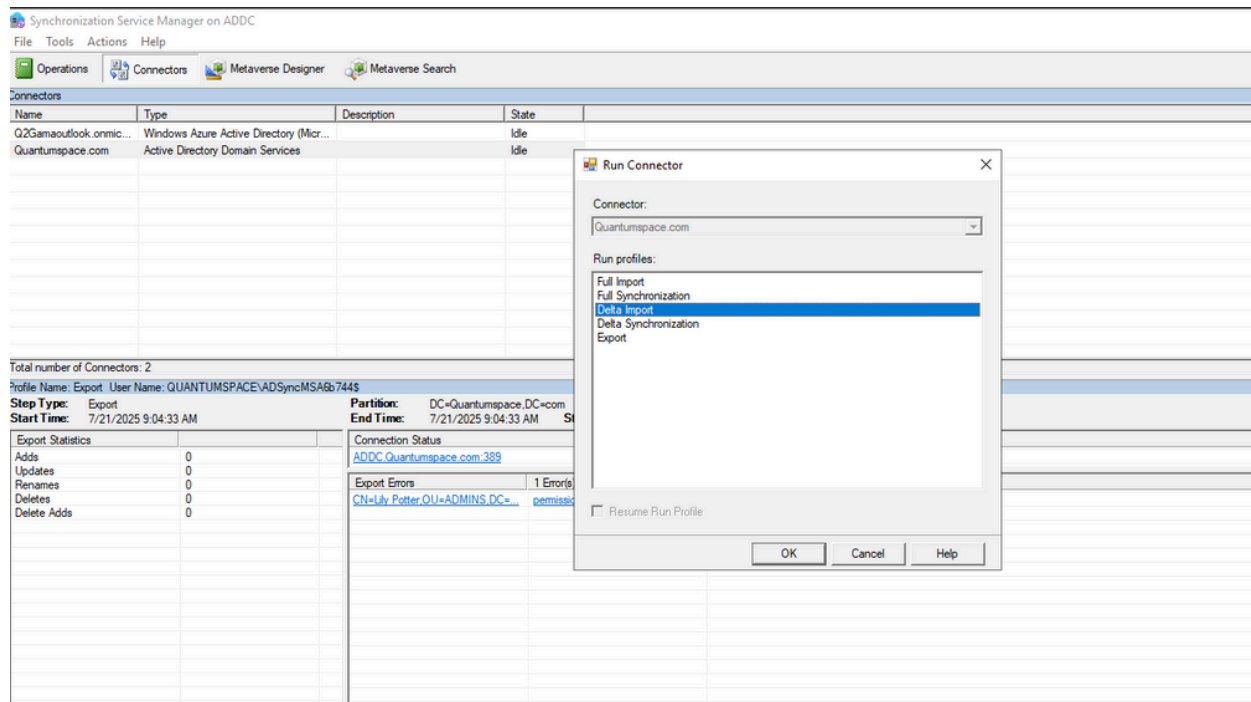


- Go to the Synchronization service manager > Connectors> right click on local domain connector> search connector space> Object type

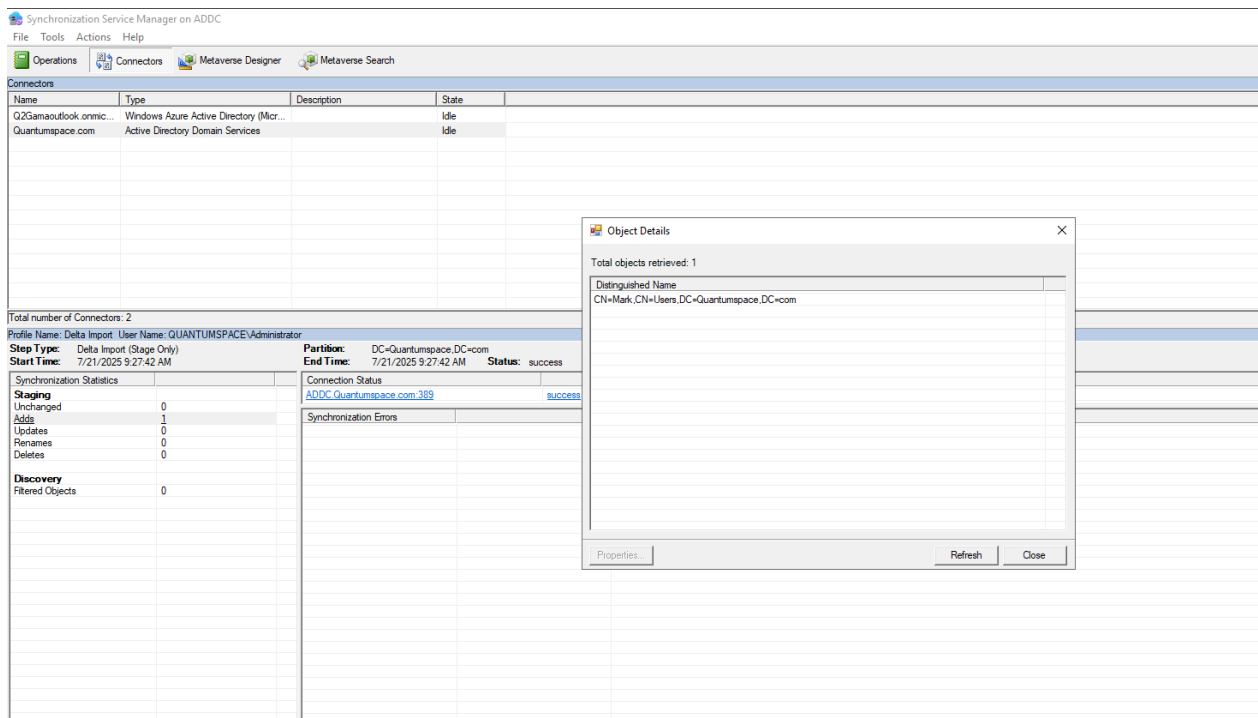
Here in the local AD connector space new user: Mark will not be visible yet.



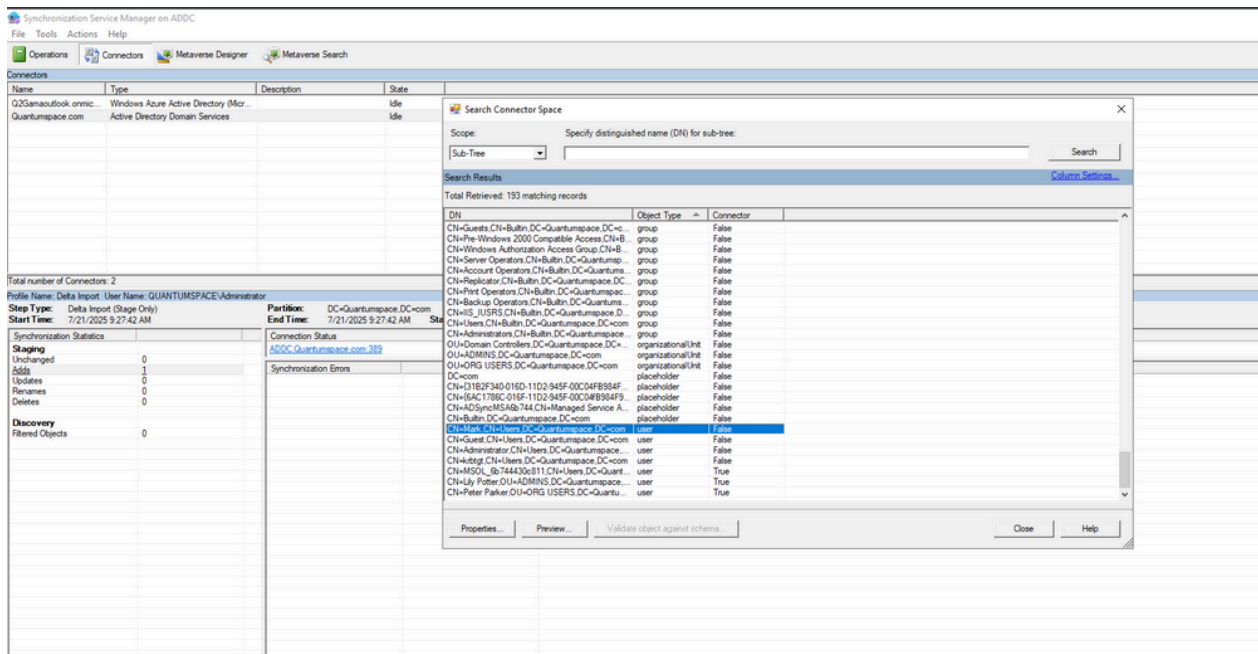
- Right click on local domain connector> Run> Delta Import. This will create a replica of the new object in local domain connector space.



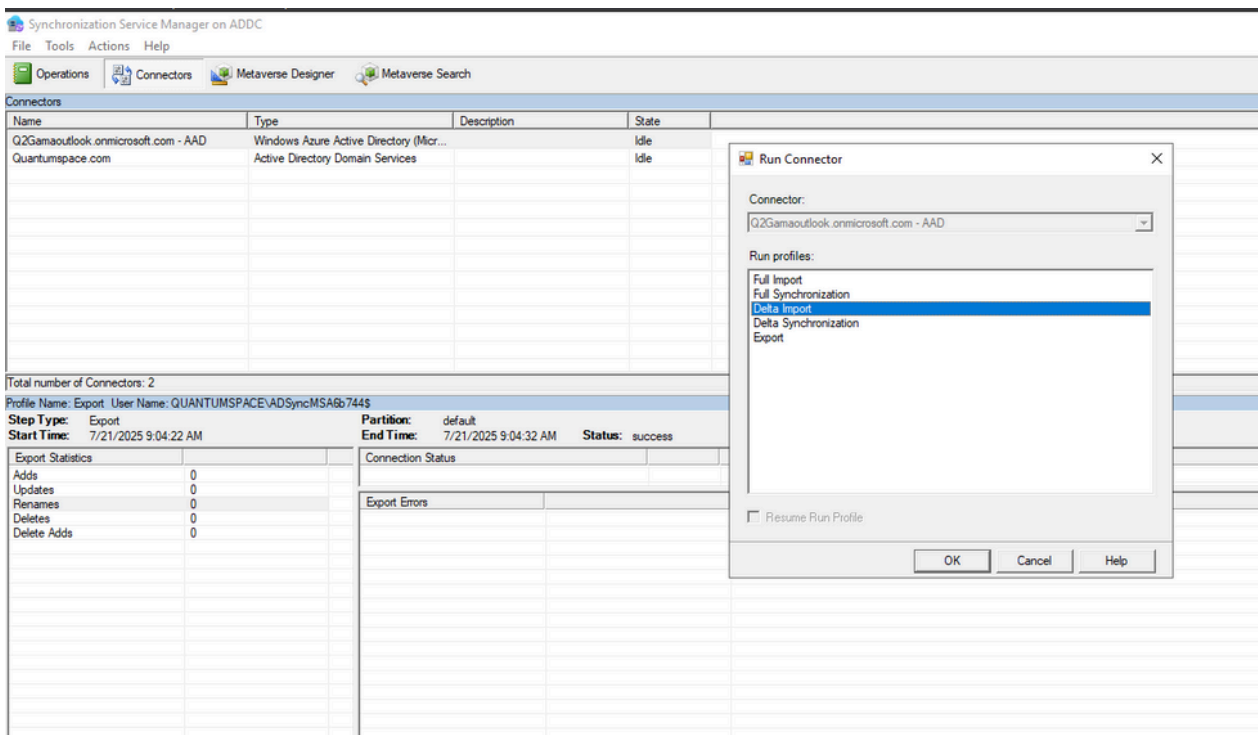
- An 'Adds' update will be visible after the import operation.



- The new user now will be visible in local AD connector space.



- To check for any object sync from Azure AD, run delta import on the AAD connector. Incase there is any object, it will be visible in the 'Adds'.



- Now run a delta sync on local AD connector to replicate the user: Mark into Metaverse connector space.

The screenshot displays the Synchronization Service Manager (SSM) application window. The main window has a menu bar (File, Tools, Actions, Help) and a toolbar with icons for Operations, Connectors, Metaverse Designer, and Metaverse Search. The 'Connectors' tab is active, showing a table of connectors:

Name	Type	Description	State
Q2Gamaoutlook.onmicrosoft.com - AAD	Windows Azure Active Directory (Mcr...		Idle
Quantumspace.com	Active Directory Domain Services		Idle

Below the table, it states 'Total number of Connectors: 2'. The 'Profile Name' is 'Delta Import' and the 'User Name' is 'QUANTUMSPACE\Administrator'. The 'Step Type' is 'Delta Import (Stage Only)'. The 'Start Time' is '7/21/2025 9:27:42 AM'. The 'Partition' is 'DC=Quantumspace,DC=com'. The 'End Time' is '7/21/2025 9:27:42 AM'. The 'Status' is 'success'.

The 'Synchronization Statistics' section shows:

Staging	Count
Unchanged	0
Adds	1
Updates	0
Renames	0
Deletes	0

The 'Discovery' section shows:

Filtered Objects	Count
Filtered Objects	0

The 'Connection Status' section shows:

Connection Status	Result
ADDC.Quantumspace.com:389	SUCCESS

The 'Synchronization Errors' section is empty.

The 'Run Connector' dialog box is open, showing the 'Connector' dropdown set to 'Quantumspace.com'. The 'Run profiles' list includes 'Full Import', 'Full Synchronization', 'Delta Import', 'Delta Synchronization' (selected), and 'Export'. The 'Resume Run Profile' checkbox is unchecked. The 'OK', 'Cancel', and 'Help' buttons are at the bottom.

- Similarly, run delta sync on AAD connector space; this will bring changes from AAD connector space to metaverse space.
- For the final process, run an export on AAD connector to send the new change(user: Mark) to Entra ID. Once the export operation is complete, check search the connector space to see user object: Mark. If its showing then it means it has been successfully synced to Entra ID.

Synchronization Service Manager on ADDC

File Tools Actions Help

Operations Connectors Metaverse Designer Metaverse Search

Connectors

Name	Type	Description	State
Q2Gamaoutlook.onmicrosoft.com - AAD	Windows Azure Active Directory (Mcr...		Idle
Quantumspace.com	Active Directory Domain Services		Idle

Total number of Connectors: 2

Profile Name: Delta Synchronization User Name: QUANTUMSPACE\Administrator

Step Type: Delta Synchronization Partition: default

Start Time: 7/21/2025 10:34:49 AM End Time: 7/21/2025 10:34:49 AM

Synchronization Statistics

Inbound Synchronization	Connection Status
Projections	
Joins	
Filtered Disconnectors	
Disconnectors	
Connectors with Row Updates	
Connectors without Row Updates	
Filtered Connectors	
Deleted Connectors	
Metaverse Object Deletes	

Flow Errors

Run Connector

Connector: Q2Gamaoutlook.onmicrosoft.com - AAD

Run profiles:

- Full Import
- Full Synchronization
- Delta Import
- Delta Synchronization
- Export

☐ Resume Run Profile

OK Cancel Help

Synchronization Service Manager on ADDC

File Tools Actions Help

Operations Connectors Metaverse Designer Metaverse Search

Connectors

Name	Type	Description	State
Q2Gamaoutlook.onmicrosoft.com - AAD	Windows Azure Active Directory (Mcr...		Idle
Quantumspace.com	Active Directory Domain Services		Idle

Total number of Connectors: 2

Profile Name: Export Statistics User Name: QUANTUMSPACE\Administrator

Step Type: Export Statistics Partition: default

Start Time: 7/21/2025 10:34:49 AM End Time: 7/21/2025 10:34:49 AM

Export Statistics

Adds	Updates	Deletes	Deletes Adds

Search Connector Space

Scope: Specify distinguished name (DN) for sub-tree:

Sub-Tree

Search

Search Results

Retrieving 11 of 11 matching records

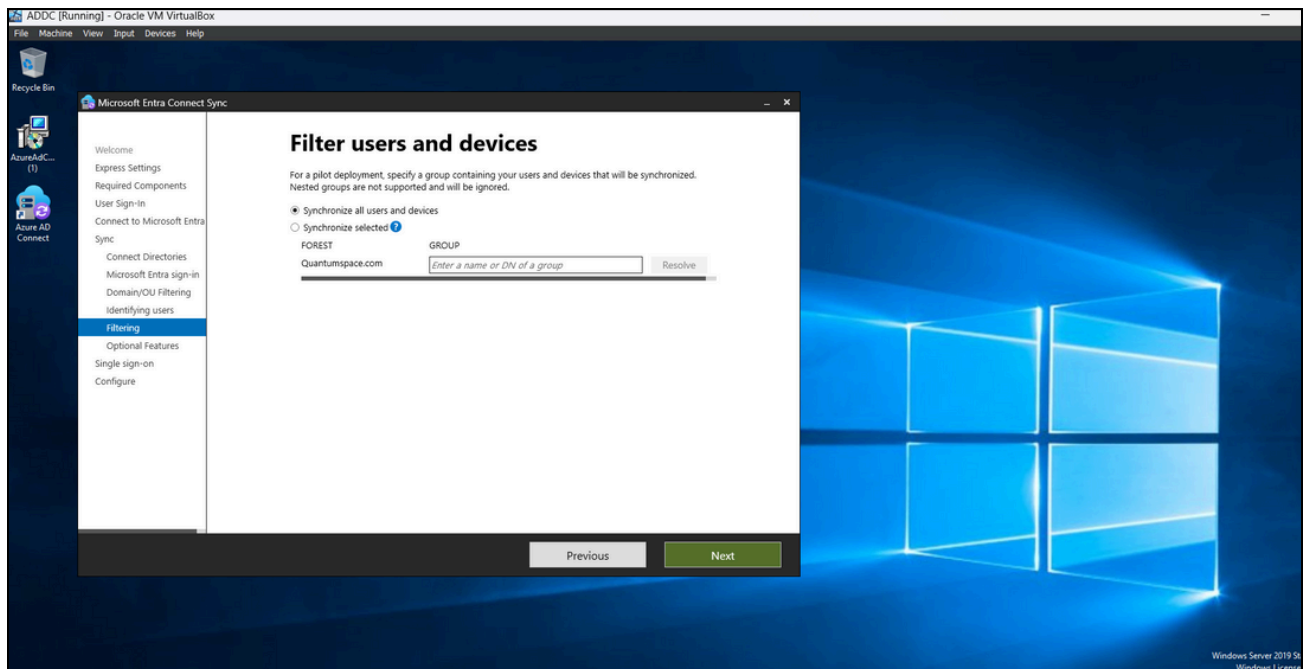
DN	Object Type	Connector	displayName
CN={6D4E4B342F5453354C303630702F62636D75435A56513D3D}	group	True	DnsAdmins
CN={70636C443636716676556D70506A4A6E6F71503076513D3D}	group	True	DnsUpdateProxy
CN={4F335275557045437568794973705733523944646D413D3D}	group	True	DHCP Users
CN={4D6853542F356B6E3055476D415041696A39694332513D3D}	group	True	DHCP Administr...
CN={44644571687879476A45756278336F684470764542773D3D}	group	True	ADSyncOperators
CN={43456A3668576B5A4855477859582F445A4D6E4730413D3D}	group	True	ADSyncBrowse
CN={745434384E374D6E623065464C717255354F676339513D3D}	group	True	ADSyncPasswor...
CN={414F6C75527563302F6B754766307667535A706B6A513D3D}	group	True	ADSyncAdmins
CN={54356D78374F34776D452B574B62386E694E616163513D3D}	user	True	Mark
CN={3176545A484C4B4B3445614A645451697255686432413D3D}	user	True	Lily Potter
CN={674C33516658425832454751756A7162572B682B45413D3D}	user	True	Peter Parker

Properties... Preview... Validate object against schema... Close Help

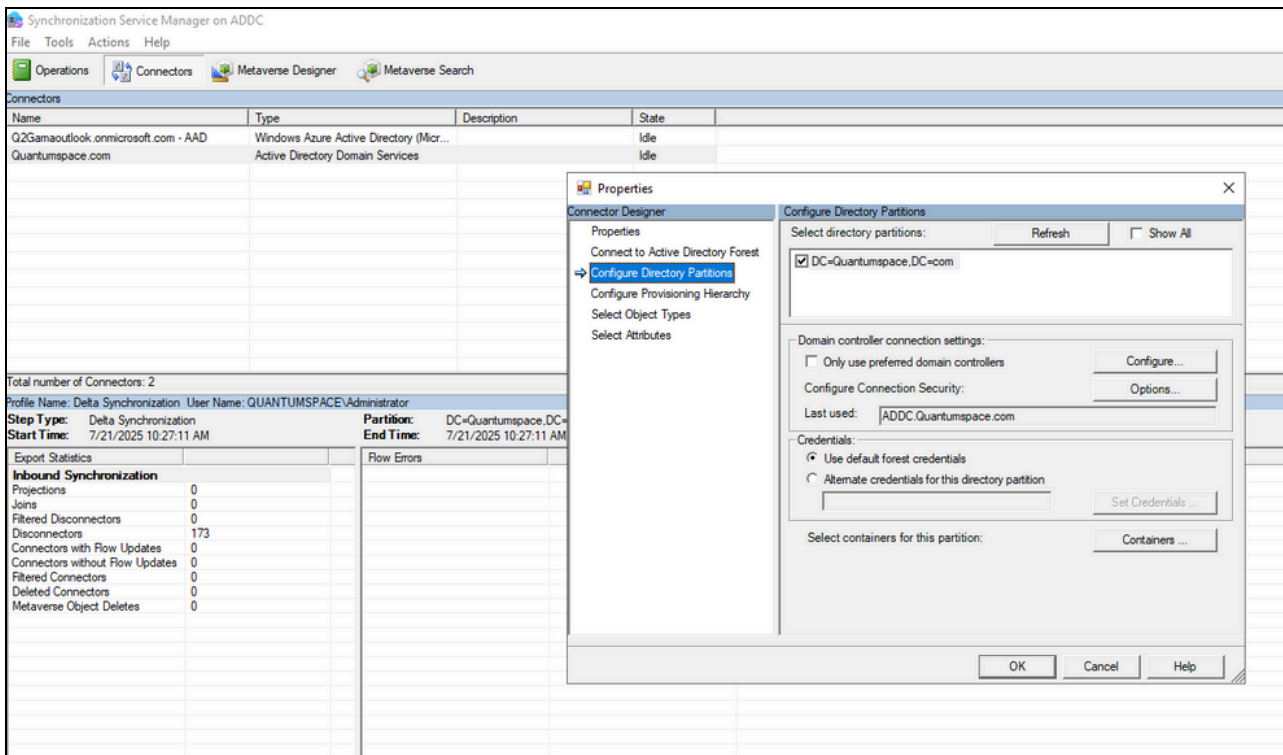
- If incase getting 'waiting export confirmation' on the new object in AAD connector space search, then run an import operation on AAD connector. This will successfully sync the new object to Entra ID.

Types Of Filtering

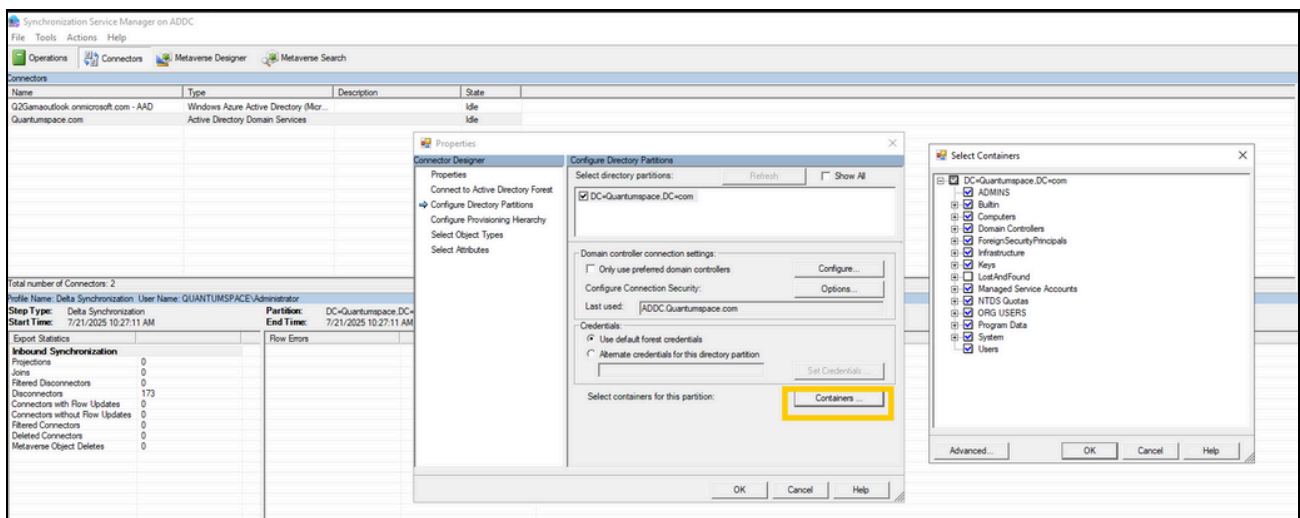
- **Group Based:** During the installation of the AAD Connect setup, you have the option to specify the Distinguished Name (DN) of a group. This option is used to enable group-based filtering. The same filtering outcome can be accomplished using synchronization rules—for example, synchronizing users to the cloud only if they belong to a specific group, or vice versa. Group-based filtering is typically recommended during pilot or testing phases. However, for large enterprises, attribute-based filtering is generally preferred.



- **Domain Based:** This type of filtering stops the entire domain from being synchronized with Entra ID. If a domain contains multiple child domains and you want to exclude a specific child domain from synchronization, you can uncheck that domain in the console so it will not sync to the cloud. To do this, access the local AD connector, right-click to open its properties, and navigate to the "Configure Directory Partitions" section where all domains are listed. If only one domain exists, only that will appear; for environments with multiple domains, simply uncheck any domain you do not want to sync with Entra ID.



- **OU Based:** This filtering method stops objects from being created in the local AD connector space. To configure OU filtering, select the appropriate domain, choose the containers you want, and provide enterprise admin credentials to display the list of OUs. Then, select the specific OUs that need to be synchronized.



- **Sync Rules or Attribute Based:** For this type of filtering, the Synchronization Rule Editor is used. Filtering can be performed using both inbound and outbound rules. The options shown below help refine the list of rules related to a specific object. Various values and attributes can be combined to create a single synchronization rule.

Synchronization Service Manager on ADDC

FileToolsActionsHelp

OperationsConnectorsMetaverse DesignerMetaverse Search

Name	Type	Description
Q2Gamaoutlook.onmicrosoft.com - AAD	Windows Azure Active Directory (Micr...	
Quantumspace.com	Active Directory Domain Services	

Total number of Connectors: 2

Profile Name: Delta Synchronization User Name: QUANTUMSPACE\Administrator

Step Type: Delta Synchronization Partition: DC=Quantumspace.com

Start Time: 7/21/2025 10:27:11 AM End Time: 7/21/2025 10:27:11 AM

Export Statistics	Flow Errors
Inbound Synchronization	
Projections	0
Joins	0
Filtered Disconnectors	0
Disconnectors	173
Connectors with Flow Updates	0
Connectors without Flow Updates	0
Filtered Connectors	0
Deleted Connectors	0
Metaverse Object Deletes	0

Synchronization Rules Editor

View and manage your synchronization rules

Direction: Inbound MV Object Type: Connector: Connector Object Type: Disabled: *

Password Sync: MV attribute: Connector Attribute: Rule Type:

Add new rule

Name	Connector	Precedence	Connector Object Type	Metaverse Object Type
In from AD - User Join	Quantumspace.com	100	user	person
In from AD - InetOrgPerson Join	Quantumspace.com	101	InetOrgPerson	person
In from AD - User AccountEnabled	Quantumspace.com	102	user	person
In from AD - InetOrgPerson AccountEnabled	Quantumspace.com	103	InetOrgPerson	person
In from AD - User Common	Quantumspace.com	104	user	person
In from AD - InetOrgPerson Common	Quantumspace.com	105	InetOrgPerson	person
In from AD - Group Join	Quantumspace.com	106	group	group
In from AD - Group Common	Quantumspace.com	107	group	group
In from AD - Contact Join	Quantumspace.com	108	contact	person
In from AD - Contact Common	Quantumspace.com	109	contact	person
In from AD - ForeignSecurityPrincipal Join Us	Quantumspace.com	110	foreignSecurityPrincipal	*
In from AAD - User Join	Q2Gamaoutlook.onmicrosoft.com - A&	111	user	person
In from AAD - Contact Join	Q2Gamaoutlook.onmicrosoft.com - A&	112	contact	person
In from AAD - Group Join	Q2Gamaoutlook.onmicrosoft.com - A&	113	group	group
In from AAD - User NGCKey	Q2Gamaoutlook.onmicrosoft.com - A&	114	user	person
In from AAD - Device Common	Q2Gamaoutlook.onmicrosoft.com - A&	142	device	device

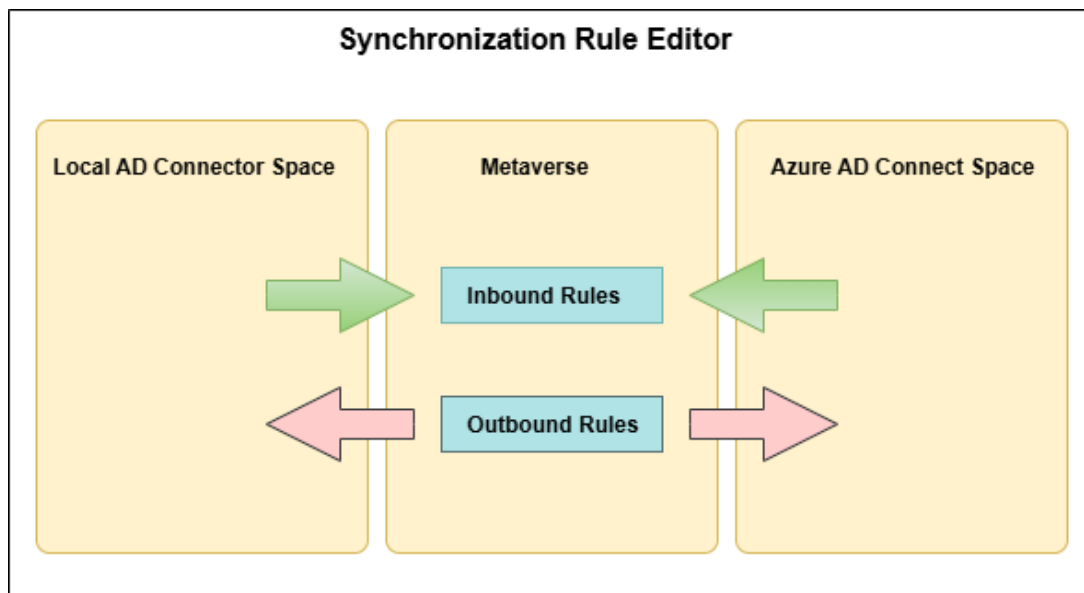
Type: Transformations: Disabled: Privacy Notice

Scoping filters: Join rules

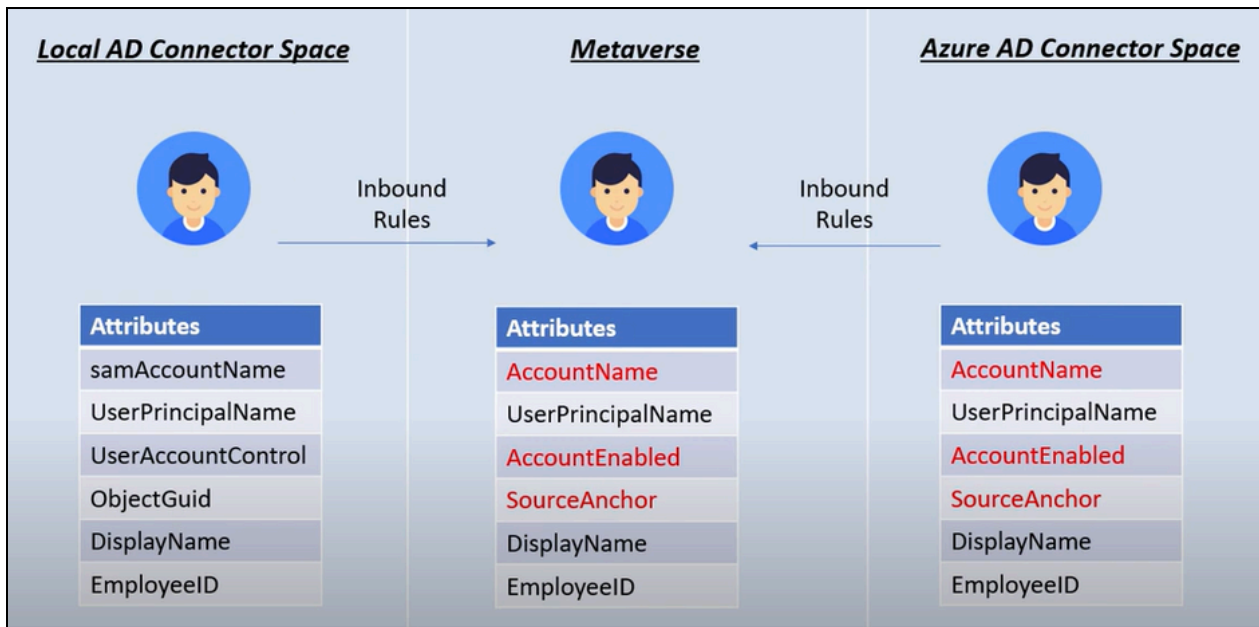
DisableViewEditExportDelete

Synchronization Rule Editor

A tool that displays all available synchronization rules and allows users to create custom sync rules. The main purpose of these rules is to determine how attributes are synchronized from on-premises to Entra ID, a process known as attribute mapping.

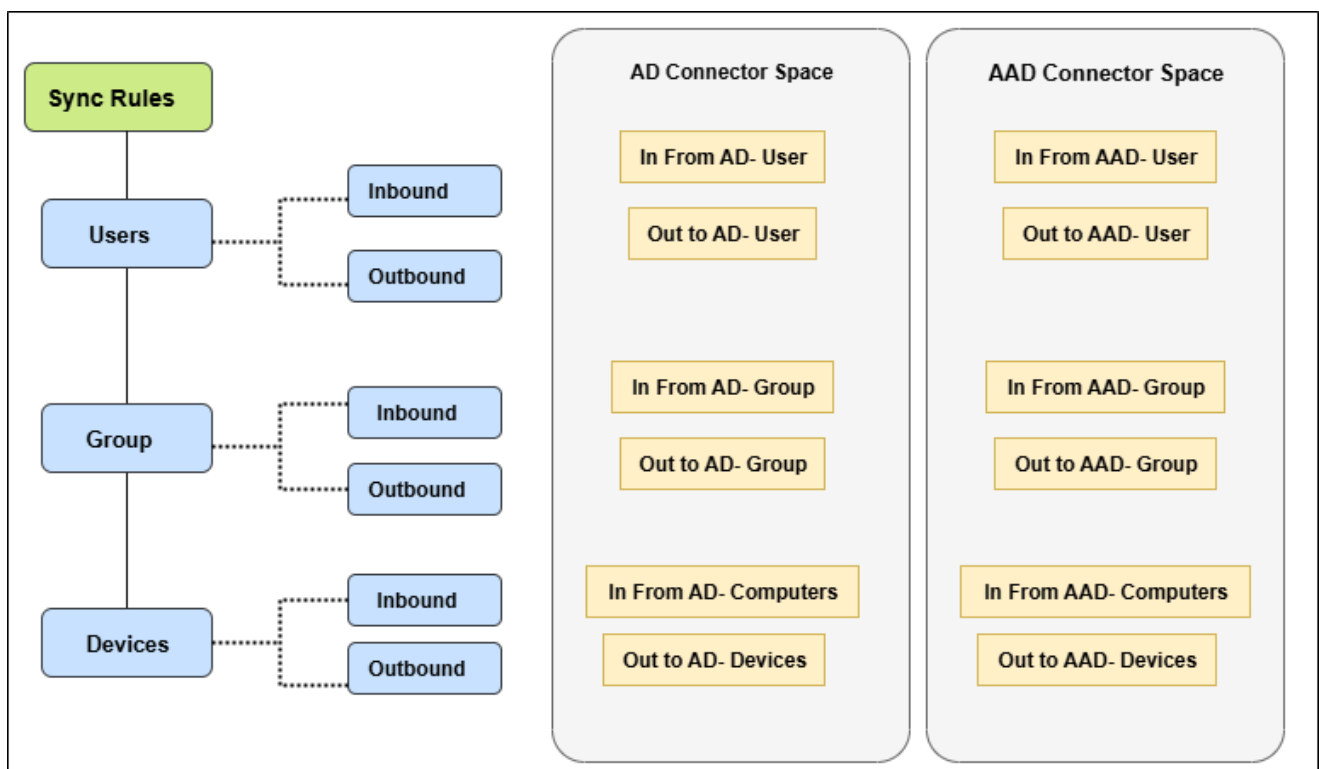


- When the information is being send from local AD connector space or AAD connector space to metaverse space, inbound rules are applied.
- When the information is being send from metaverse to both the connector spaces, then outbound rules are applied.
- All the attribute flow mapping, or getting the names of attributes changed as per the object type is defined in these rules itself.
- When an object is synced to Entra ID or when the replica of a particular object is created in the metaverse space from local AD connector, there are some changes in attribute names observed; like samAccountName is changed into AccountName. This means that attribute i.e. associated with user object type in metaverse is querying its corresponding attribute in local AD connector space.
- The same process happens for AAD connector space as well, when any attribute has to be written back to the local AD, there are inbound rules associated with AAD connector which write back the attributes from AAD connector space to metaverse, which then is synced with local AD.
- Likewise, same process goes for outbound rules, the attribute information will be write back from metaverse space to the connector spaces.



Sync Rule hierarchy

- Sync rules are defined on the basis of object types, i.e. for every object type there will be a sync rule.
- User, Group and Device; these three object types can have same as well as different attributes. In order to define the attribute flow mapping for all the three object types, two different kinds of rules are created i.e. Inbound and Outbound rules.
- If there is a change that is updated in local AD connector space that has to be send to metaverse, then the inbound rule will be named as 'In from AD-object type'. The same will be followed for the AAD connector space.
- Hence, for each object type, there will be two categories of inbound and outbound rules created; first will be related to local AD connector space and the second for AAD connector space.
- Depending upon the direction of the attribute flow, the rules are named accordingly.

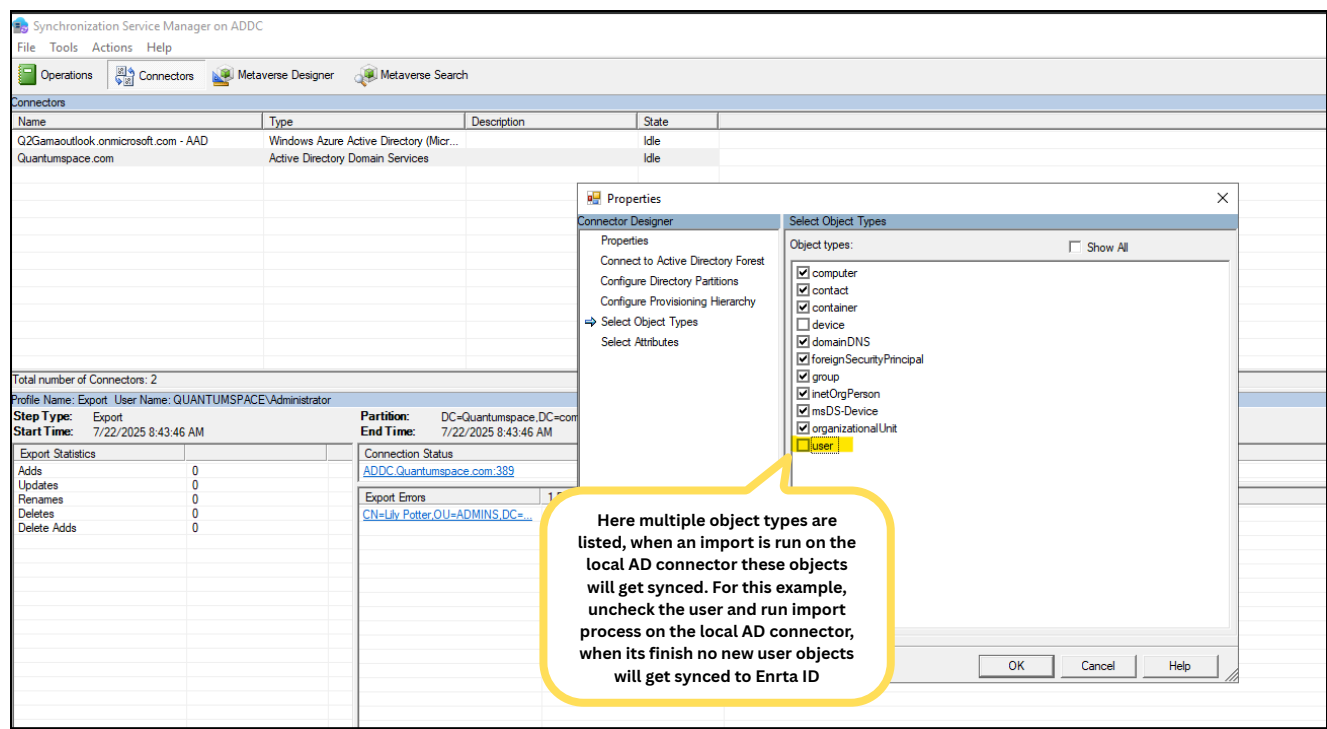


Connector Configuration & Attribute Flow Mapping

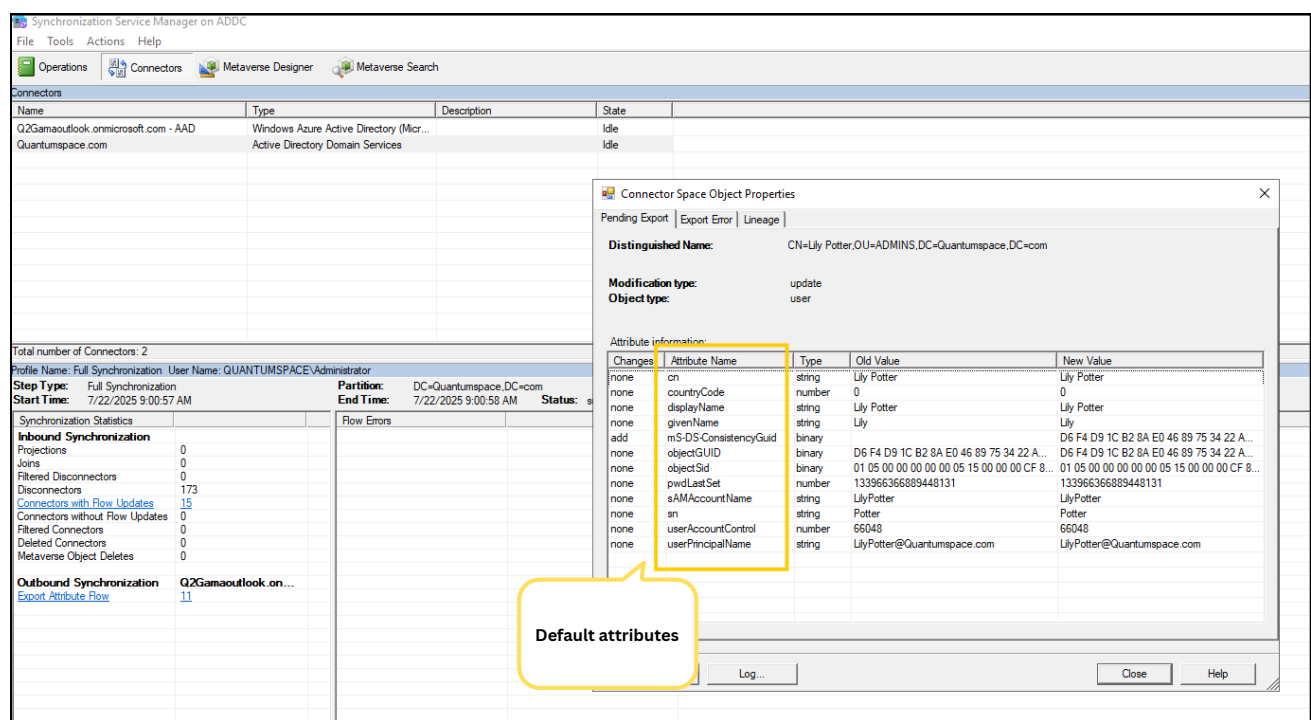
Each connector space can be customized by configuring its associated connector to meet specific requirements.

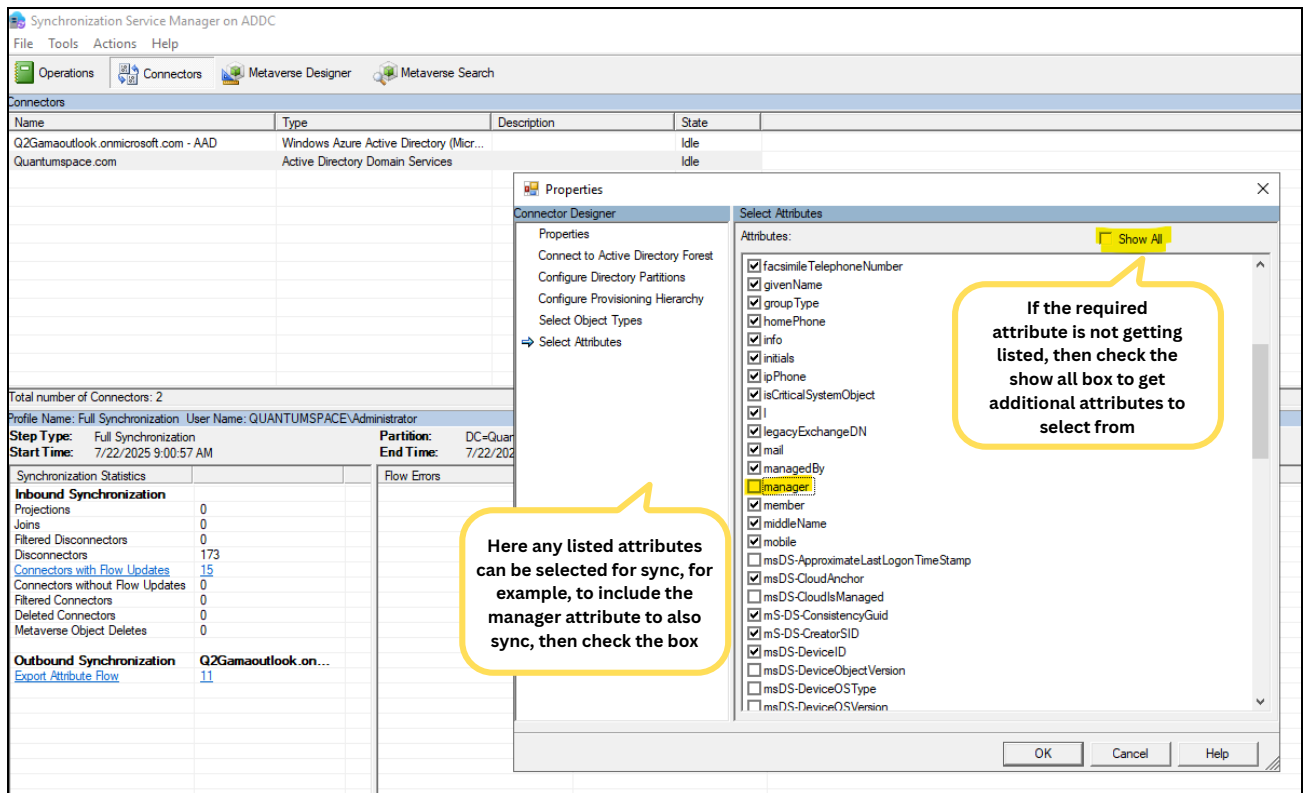
Example:

- Right click on the local AD connector> properties> Select object types

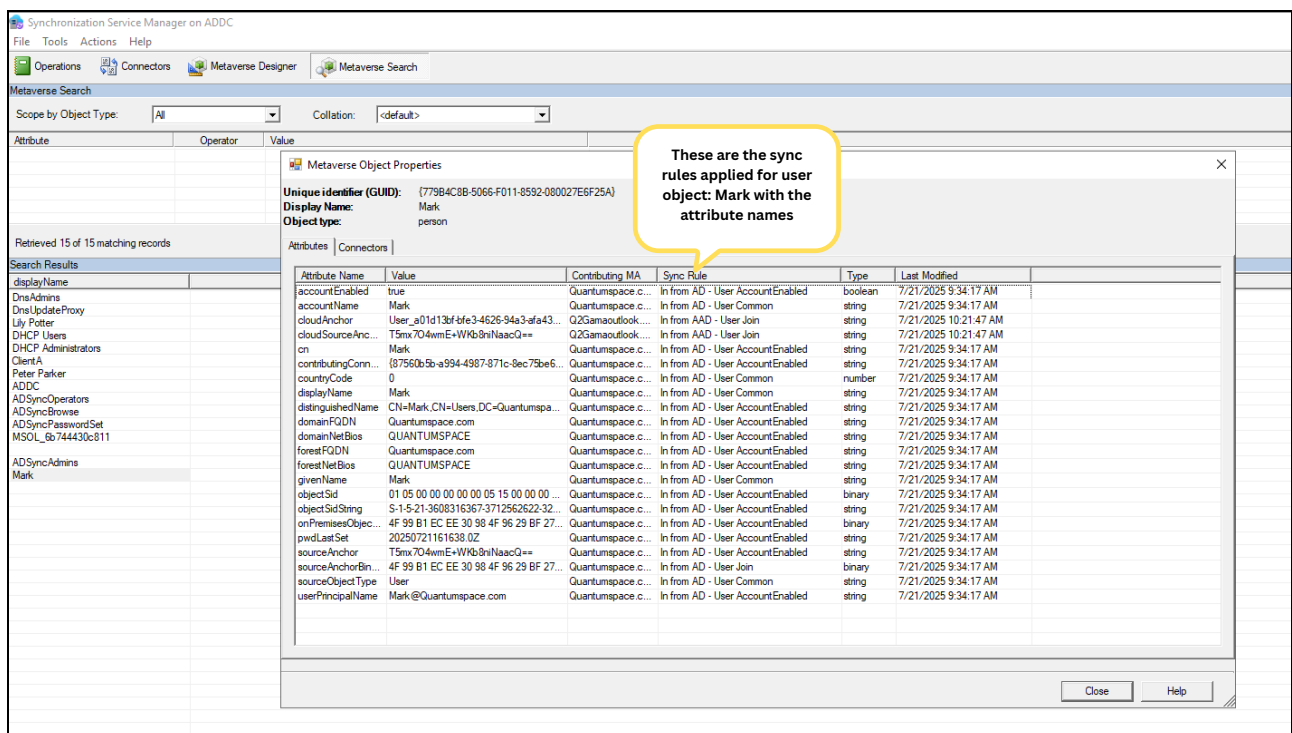


- Select attributes: Every object has multiple types of attributes associated with it. When a user object is created, there are certain default attributes that get populated automatically and are called mandatory attributes. There are also attributes that can be used as per sync requirements. Right click on the local AD connector> properties> Select attributes.





- To check the sync rules applied for an object; in metaverse search> double click on the object to see properties.



- To check all the inbuild connector rules, launch synchronization tool editor. It is not recommended to edit the inbuild rules rather create custom rules as per requirements.

Synchronization Service Manager on ADDC

File Tools Actions Help

Operations Connectors Metaverse Designer Metaverse Search

Metaverse Search

Scope by Object Type: All Collation: <default>

Attribute Operator Value

Metaverse Object Properties

Unique identifier (GUID): (77984CB8-5066-F011-8592-080027E6F25A)
 Display Name: Mark
 Object type: person

Attributes Connectors

Attribute Name	Value	Contributing MA	Sync Rule	Type
accountEnabled	true	Quantumspace.com	In from AD - User AccountEnabled	boolean
accountName	Mark	Quantumspace.com	In from AD - User Common	string
cloudAnchor	User_a01d13f4fe3-46...	Q2Gamaoutlook...	In from AAD - User Join	string
cloudSourceAnchor	T5m704wmE-WWb8n...	Q2Gamaoutlook...	In from AAD - User Join	string
countryCode	0	Quantumspace.com	In from AD - User Common	string
displayname	Mark	Quantumspace.com	In from AD - User Common	string
distinguishedName	CN=Mark,CN=Users,D...	Quantumspace.com	In from AD - User AccountEnabled	string
domainFQDN	QUANTUMSPACE	Quantumspace.com	In from AD - User AccountEnabled	string
forestFQDN	QUANTUMSPACE	Quantumspace.com	In from AD - User AccountEnabled	string
givenName	Mark	Quantumspace.com	In from AD - User Common	string
objectSid	01 05 00 00 00 00 00...	Quantumspace.com	In from AD - User AccountEnabled	string
objectSidString	S-1-5-21-3608316367-3...	Quantumspace.com	In from AD - User AccountEnabled	string
onPremisesObject...	4F 99 B1 EC EE 30 98...	Quantumspace.com	In from AD - User AccountEnabled	string
pwdLastSet	20250721161638.02	Quantumspace.com	In from AD - User AccountEnabled	string
sourceAnchor	T5m704wmE-WWb8n...	Quantumspace.com	In from AD - User AccountEnabled	string

Synchronization Rules Editor

View and manage your synchronization rules

Direction: Inbound MV Object type: person Connector: Quantumspace.com Connector Object Type: user Disabled: Add new rule

Connector Attribute: Rule Type:

Name	Connector	Precedence	Connector Object Type	Metaverse Object Type
In from AD - User Join	Quantumspace.com	100	user	person
In from AD - InetOrgPerson Join	Quantumspace.com	101	InetOrgPerson	person
In from AD - User AccountEnabled	Quantumspace.com	102	user	person
In from AD - InetOrgPerson AccountEnabled	Quantumspace.com	103	InetOrgPerson	person
In from AD - User Common	Quantumspace.com	104	user	person
In from AD - InetOrgPerson Common	Quantumspace.com	105	InetOrgPerson	person
In from AD - Group Join	Quantumspace.com	106	group	group
In from AD - Group Common	Quantumspace.com	107	group	group
In from AD - Contact Join	Quantumspace.com	108	contact	person
In from AD - Contact Common	Quantumspace.com	109	contact	person
In from AD - ForeignSecurityPrincipal Join Us	Quantumspace.com	110	foreignSecurityPrincipal	*
In from AAD - User Join	Q2Gamaoutlook.onmicrosoft.com - A...	111	user	person
In from AAD - Contact Join	Q2Gamaoutlook.onmicrosoft.com - A...	112	contact	person
AD - Group Join	Q2Gamaoutlook.onmicrosoft.com - A...	113	group	group
D - User NGKey	Q2Gamaoutlook.onmicrosoft.com - A...	114	user	person
D - Device Common	Q2Gamaoutlook.onmicrosoft.com - A...	115	device	device

Type: Transformations: Disabled: Scoping filters: Join rules

Privacy Notice

Disable View Edit Export Delete

To check all inbound or outbound rules filter direction option

In from AD-means object data coming from local AD connector

In from AAD-means object data coming from Azure AD connector

Synchronization Service Manager on ADDC

File Tools Actions Help

Operations Connectors Metaverse Designer Metaverse Search

Metaverse Search

Scope by Object Type: All Collation: <default>

Attribute Operator Value

Metaverse Object Properties

Unique identifier (GUID): (77984CB8-5066-F011-8592-080027E6F25A)
 Display Name: Mark
 Object type: person

Attributes Connectors

Retrieved 150

Search Results

Attribute Name	Value	Contributing MA	Sync Rule	Type	Last
displayname	Mark	Quantumspace.com	In from AD - User AccountEnabled	boolean	7/21
accountName	Mark	Quantumspace.com	In from AD - User Common	string	7/21
cloudAnchor	User_a01d13f4fe3-463-4f43...	Q2Gamaoutlook...	In from AAD - User Join	string	7/21
cloudSourceAnchor	T5m704wmE-WWb8nNasc++	Q2Gamaoutlook...	In from AAD - User Join	string	7/21
countryCode	0	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
displayname	Mark	Quantumspace.com	In from AD - User Common	string	7/21
distinguishedName	CN=Mark,CN=Users,DC=Quantumspa...	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
domainFQDN	QUANTUMSPACE	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
forestFQDN	QUANTUMSPACE	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
givenName	Mark	Quantumspace.com	In from AD - User Common	string	7/21
objectSid	01 05 00 00 00 00 05 15 00 00...	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
objectSidString	S-1-5-21-3608316367-3712562622-32...	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
onPremisesObject...	4F 99 B1 EC EE 30 98 4F 96 29 BF 27...	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
pwdLastSet	20250721161638.02	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
sourceAnchor	T5m704wmE-WWb8nNasc++	Quantumspace.com	In from AD - User AccountEnabled	string	7/21
sourceAnchorBin	4F 99 B1 EC EE 30 98 4F 96 29 BF 27...	Quantumspace.com	In from AD - User Join	string	7/21
sourceObject Type	User	Quantumspace.com	In from AD - User Common	string	7/21
userPrincipalName	Mark@Quantumspace.com	Quantumspace.com	In from AD - User AccountEnabled	string	7/21

Synchronization Rules Editor

View and manage your synchronization rules

Direction: Inbound MV Object type: person Connector: Quantumspace.com Connector Object Type: user Disabled: Add new rule

Connector Attribute: Rule Type:

Name	Connector	Precedence	Connector Object Type	Metaverse Object Type
In from AD - User Join	Quantumspace.com	100	user	person
In from AD - User AccountEnabled	Quantumspace.com	102	user	person
In from AD - User Common	Quantumspace.com	104	user	person

Type: Transformations: Disabled: Scoping filters: Join rules

Privacy Notice

Disable View Edit Export Delete

'Person' in metaverse object type means user

When an information is coming from local AD connector space to metaverse these 3 rules will contribute to all the attributes associated with object type user

Synchronization Rules Editor

View and manage your synchronization rules

Direction: Inbound MV Object type: person Connector: Quantumspace.com Connector Object Type: user Disabled: Add new rule

Connector Attribute: Rule Type:

Name	Connector	Precedence	Connector Object Type	Metaverse Object Type
In from AD - User Join	Quantumspace.com	100	user	person
In from AD - User AccountEnabled	Quantumspace.com	102	user	person
In from AD - User Common	Quantumspace.com	104	user	person

Type: Transformations: Disabled: Scoping filters: Join rules

Privacy Notice

Disable View Edit Export Delete

This is the rule which define all the attribute mapping

In from AD - User Common

tmpACB3.tmp - Notepad

File Edit Format View Help

```

-Source @('dn')
-Destination 'distinguishedName'
-FlowType 'Direct'
-ValueMergeType 'Update'
-OutVariable syncRule

Add-ADSyncAttributeFlowMapping
-SynchronizationRule $syncRule[0]
-Destination 'accountEnabled'
-FlowType 'Expression'
-ValueMergeType 'Update'
-Expression 'IIF(BitAnd([userAccountControl],2)=0,True,False)'
-OutVariable syncRule

Add-ADSyncAttributeFlowMapping
-SynchronizationRule $syncRule[0]
-Source @('sAMAccountName')
-Destination 'accountName'
-FlowType 'Direct'
-ValueMergeType 'Update'
-OutVariable syncRule

Add-ADSyncAttributeFlowMapping
-SynchronizationRule $syncRule[0]
-Source @('assistant')
-Destination 'assistant'
-FlowType 'Direct'
-ValueMergeType 'Update'
-OutVariable syncRule
  
```

As this is an inbound rule, the information is coming from local AD connector to metaverse. Similarly for all sync rules all applied attribute details can be checked by 'Export' option

Attribute associated with local AD connector

Attribute associated with metaverse

Connector Space Object Properties

Properties
Lineage

Distinguished Name: CN=Mark,CN=Users,DC=Quantumspace,DC=com

Modification type: none

Object type: user

Attribute information:

Changes	Attribute Name	Type	Value
none	cn	string	Mark
none	countryCode	number	0
none	displayName	string	Mark
none	givenName	string	Mark
none	mS-DS-ConsistencyGuid	binary	4F 99 B1 EC
none	objectGUID	binary	4F 99 B1 EC
none	objectSid	binary	01 05 00 00
none	pwdLastSet	number	1339758819
none	sAMAccountName	string	Mark
none	userAccountControl	number	512
none	userPrincipalName	string	Mark@Quar

Metaverse Object Properties

Unique identifier (GUID): (779B4C8B-5066-F011-8592-080027E6F25A)

Display Name: Mark

Object type: person

Attributes
Connectors

Attribute Name	Value	Contributing MA	Sync Rule	Type
accountEnabled	true	Quantumspace.c...	In from AD - User ...	boolean
accountName	Mark	Quantumspace.c...	In from AD - User ...	string
cloudAnchor	User_a01d13bf-bfe3-4626-94a3-afa43...	Q2Gamaoutlook....	In from AAD - Us...	string
cloudSourceAnc...	T5mx7O4wmE+WKb8niNaacQ==	Q2Gamaoutlook....	In from AAD - Us...	string
cn	Mark	Quantumspace.c...	In from AD - User ...	string
contributingConn...	{87560b5b-a994-4987-871c-8ec75be6...	Quantumspace.c...	In from AD - User ...	string
countryCode	0	Quantumspace.c...	In from AD - User ...	number
displayName	Mark	Quantumspace.c...	In from AD - User ...	string
distinguishedName	CN=Mark,CN=Users,DC=Quantumspa...	Quantumspace.c...	In from AD - User ...	string
domainFQDN	Quantumspace.com	Quantumspace.c...	In from AD - User ...	string
domainNetBios	QUANTUMSPACE	Quantumspace.c...	In from AD - User ...	string
forestFQDN	Quantumspace.com	Quantumspace.c...	In from AD - User ...	string
forestNetBios	QUANTUMSPACE	Quantumspace.c...	In from AD - User ...	string
givenName	Mark	Quantumspace.c...	In from AD - User ...	string
objectSid	01 05 00 00 00 00 05 15 00 00 00 ...	Quantumspace.c...	In from AD - User ...	binary
objectSidString	S-1-5-21-3608316367-3712562622-32...	Quantumspace.c...	In from AD - User ...	string
onPremisesObjec...	4F 99 B1 EC EE 30 98 4F 96 29 BF 27...	Quantumspace.c...	In from AD - User ...	binary
pwdLastSet	20250721161638.0Z	Quantumspace.c...	In from AD - User ...	string
sourceAnchor	T5mx7O4wmE+WKb8niNaacQ==	Quantumspace.c...	In from AD - User ...	string

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