

Directory Sync Pro Intra-Forest sIDHistory Stage Migration

Quick Start Guide

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Legend

CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

IMPORTANT, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

Directory Sync Pro Intra-Forest sIDHistory Stage Migration Quick Start Guide Updated – May 2024

Contents

Introduction	4
Topics	4
Requirements	4
Intra-Forest sIDHistory Migration High-Level Process	5
Implementation Process	5
Directory Sync Profiles Configuration	5
Setting up the Primary Directory Sync Profile	6
Setting up the Stage Environment Profile	9
Setting up the sIDHistory Profile	14
Migrating the sIDHistory	14
Migrating the objects to the intra-forest domain	14
Migrating the objects to the staging forest	15
Migrating the sIDHistory from the staging forest to the target domain	16
FAQ	18
About us	20

Introduction

Directory Sync Pro supports sIDHistory migration when migrating users and groups in an inter-forest migration scenario. However, by default, Microsoft does not support the migration of sIDHistory in an intra-forest configuration. Migrating sIDHistory in an intra-forest environment is not possible as duplicate ObjectSID cannot exist in the same forest. The recommended process involves moving the objects from the source domain to the target domain within the same forest. However, this approach may not be ideal when device migration is part of the scope as it often necessitates simultaneous cutover of both users and devices.

To address this limitation, Quest has developed a process that enables sIDHistory migration using a staged migration concept. This step-by-step guide provides instructions on how to perform sIDHistory migration in an intra-forest environment by utilizing a staging forest.

Topics

This guide covers the following topics:

- Requirements
- Intra-Forest sIDHistory Migration High-Level Process
- Implementation Process
- Migrating the sIDHistory
- FAQ

Requirements

Following are the high-level requirements needed to configure the sIDHistory Intra-Forest Staged Migration using Directory Sync Pro. For details and a complete list of requirements, please refer to the requirement documents of the product found at Product Support - Migrator Pro for Active Directory (quest.com).

General

- Two dedicated Windows Servers for installation of Directory Sync Pro
- A dedicated SQL Server

Accounts

 Domain Administrators who have proper access/permission to perform Directory Sync and sIDHistory Migration

Staging Domain Forest

A pre-configured staging domain forest

Intra-Forest sIDHistory Migration High-Level Process

By default, Microsoft does not support the migration of sIDHistory in an intra-forest configuration. The recommended process involves moving the objects from the source domain to the target domain within the same forest. However, this approach may not be ideal when device migration is part of the scope as it often necessitates simultaneous cutover of both users and devices.

For the above reason, a staged migration approach should be used for Intra-Forest sIDHistory Migration. Migration Process:

- 1. Objects from the source domain should be synchronized to the target domain, but sIDHistory migration should not be enabled.
- Objects from the source domain should be synchronized to the staged forest with sIDHistory migration enabled. For the Groups Synchronization, membership syncing should be disabled as we do not need to migrate the membership to the staged forest.
- Objects from the staged forest should be synchronized to the existing objects in the target domain (created by Directory Sync) with sIDHistory migration enabled. For the Groups Synchronization, membership syncing should be disabled as we do not need to migrate the membership for sIDHistory.



Implementation Process

Directory Sync Profiles Configuration

This section explains how to set up Directory Sync Profiles for Staged sIDHistory Migrations. The following Sync Profiles will be created as part of this Quick Start Guide:

- Primary Directory Sync Profile This profile will be used to sync objects from the source domain to the target domain in the same Active Directory Forest.
- Stage Environment Profile This profile will be used to sync objects from the source domain to the staging domain with sIDHistory Option enabled. Note, Group membership syncing should be disabled as we do not need to synchronize group members.
- sIDHistory Profile This profile will be used to sync sIDHistory from the staging domain to target domain with sIDHistory Option enabled. Note, Group membership syncing should be disabled as we do not need to synchronize group members.

Setting up the Primary Directory Sync Profile

Follow these steps to setup the Primary Directory Sync Profile.

- 1. Launch the Directory Sync Pro web portal.
- 2. Click on the Add Profile button.



NEXT 🕟

- Use the default Logging Level. Click Next.
 Use the default sync interval option. Click Next.
 Note, configure sync interval if you wish to run the sync profile automatically.
 Enter the source credential. Click Next.

10.	Enter the source credential. Click Next .	
	Next we need source credentials.	on profile.
	lab4\administrator	
		NEXT 🕟
11	Enter the source Global Catalog Server, click Search	and then Next
	Enter the source Global Catalog Server, electocated	/er.
	This is the IP address or fully qualified domain name (FQDN) of the source Global Catalog server you will b 10.1.10.50	De connecting to.
	THE DOMAIN NAME ASSOCIATED WITH THIS SERVER IS:	-
10	C BACK	
12.	Click Add DC and configure the Global Catalog Serve	er for the Source Domain. Click Next.
	Let's select your source Domain Col You will need at least one DC for each domain within scope. Click the ADD DC button.	ntrollers.
	ADD DC	REMOVE PING CONNECT
	🔇 ВАСК	NEXT 🔊
40	Click Add Ollo and calest the Organizational Units f	en the equires domain Click Next
13.	Select vour source Organizational L	Jnits.
	These are the source OUs you wish to synchronize. Double-click on any OU for advanced filtering option	ıs. ()
	Source OU	t ♦ Groups ♦ Disabled Users ♦ Non-Mail ♦
	S BACK	NEXT 📎
14.	Click Select OU and configure the Organizational Un	its for the target domain. Click Next .
	This is the Organizational Unit where you plan to store any newly created objects.	
	OU=Intra,DC=Child1,DC=leagueteam,DC=local	
	CREATE OUS IN TARGET If enabled, the OLs synchronized from the source will be created in the target OU otherwise objects will be created directly in the target OU.	
	SYNC EMPTY OUS Enable this to casy empty source OUs to the target	
	PROTECT OUS FROM EULERON Ende the to set Protect container from accidental deletion" on OUs in Target Type OU PERMISSIONS	
	Enable this to ensure usen will have access to newly consteld larget COs. I new should CO permissions be guidrentead? Constant Constan	
		NEXT 📎

15. Enter the Default Password for new users. Click Next

16.

User password synchronization.	
Note that the password policy on the source must meet or exceed the policy on the target.	
SYNC PASSWORDS If enabled, passwords will be copied to the target.	
FOR ALL OBJECTS If enabled, passwords for all objects will be synchronized. Otherwise, only passwords for objects created by Directory Sync Pro for Acts	ve Directory will be synchronized.
DEFAULT PASSWORD FOR NEW USERS	CONFIRM PASSWORD
S BACK	NEXT 🕥
Enable Automatic Sync. Click Next.	
Next, a few sync options	
These options affect how and when your objects are synchronized.	
ATTRIBUTE DELTA SYNC If enabled, only attributes changed on the source object will be synchronized. Otherwise, all attributes will be updated on the target of	sject when the source object is modified.
AUTOMATIC SYNC If enabled, objects will be automatically set to Ready To Sync. Otherwise, objects will not be synced until manually marked as Ready To	s Sync via the Active Directory Migrator console.
PROTECT TARGET OBJECTS FROM DELETION If enabled, target objects will not be deleted if deleted in the source.	
RECREATE DELETED TARGET OBJECTS If enabled, an object that was previously synced to the target and then deleted will be recreated automatically. Otherwise, the target of	bject will NOT be recreated.
S BACK	NEXT 🔊

- 17. Configure the Users Sync Options and Conflict Resolution. For this guide, the merge option can be used.
- 18. Configure the Group Sync Options and Conflict Resolution. For this guide, the merge option can be used. Do not check the **Do Not Sync Group Members** option for the primary sync profile.

DO NOT SYNC GROUP MEMBERS

Only the Group object and associated mapped fields will be synced, group members will be skipped.

19. For this guide, we will leave the Synchronize Accompanying Groups option unchecked. Click Next.

SYNCHRONIZE ACCOMPANYING GROUPS

Automatically syncs any groups in which a user is a direct member.

20. For this guide, we will leave the Synchronize Members As Foreign Security Principals option unchecked. Click Next.

SYNCHRONIZE MEMBERS AS FOREIGN SECURITY PRINCIPALS

Group members that cannot be matched in the target will be synchronized as Foreign Security Principals if trust relationships allow it and the target group is a Domain Local Security Group.

21. For this guide, we will skip Device Configuration. Click **Next**.

SKIP DEVICE CONFIGURATION

You can always set these options later from the profile dashboard.

22. Leave all options unchecked for Exchange Migration options. Click Next.

How would you like to configure your Exchange Migration?

A reference of the starte the second the

- 23. Leave all options as default for Email Address Policy options. Click Next.
- 24. Leave all options as default for Matching options. Click Next.

MATCHING ACTION Control Object TYPE ************************************	Count out (PERT OUT) ap object types: 1 The database, will still be recognized as a match during the matching process: 0 NEXT Options. For this guide we will use the default selections. Click your Matching Attributes?	MATCHING LEVEL METHOD This option chooses the search area for ma	atching objects. ()	FOREST DOMAIN
★ MATCH OBJECT TYPES If watched target dejects must also match on object types. This includes users, contacts and group deject types. If ★ RELINS OBJECTS Target dejects previously created by Directory Sync Pro for Active Directory that are no longer in the database, will still be recognized as a match during the matching process. If ★ RELINS OBJECTS Target dejects are ready to sync. If ★ RELINS CONFIGURE TABLET TO SUME Mark the headed depects as ready to sync. If ★ RELINS CONFIGURE THE MATCH Ching Attributes options. For this guide we will use the default selection How would you like map your Matching Attributes. For an select up to four (4) attributes. Attributes are matched in order; matching stops if a match is found. ★ Summer Sum	ep object types. I The dedubase, will still be recognized as a mutch during the mutching process. I NEXT options. For this guide we will use the default selections. Click your Matching Attributes? arching stops if a match is found.	MATCHING ACTION This option controls what is done when a m	natching target object is found. 🜖	CREATE ONLY CREATE ONLY UPDATE ONLY MATCHINE ONLY, NO LIVERATE
XILINK OBJECTS Target depicts previously created by Directory Spice Pro for Active Directory that are no longer in the database, will still be receptited as a match during the matching process. Section Interface as ready to spice. Configure the Matching Attributes options. For this guide we will use the default selection How would you like map your Matching Attributes? You can select up to four (4) attributes. Attributes are matched in order; matching stops if a match is found. Surce Target	NEXT O options. For this guide we will use the default selections. Click your Matching Attributes?	MATCH OBJECT TYPES If enabled, target objects must also match	on object type. This includes users, contacts and grou	up object types. 0
EXECUTE HEADY TO SYNC What he heliked objects as ready to sync. It is a matching attributes options. For this guide we will use the default selection is the Would you like map your Matching Attributes? You can select up to four (4) attributes. Attributes are matched in order, matching stops if a match is found. Yource Target Image: Store the s	Options. For this guide we will use the default selections. Click your Matching Attributes?	RELINK OBJECTS Target objects previously created by Direct	tory Sync Pro for Active Directory that are no longer in	n the database, will still be recognized as a match during the matching process. ()
Configure the Matching Attributes options. For this guide we will use the default selection How would you like map your Matching Attributes?	Options. For this guide we will use the default selections. Click your Matching Attributes? Arching stops if a match is found.	RESTORE READY-TO-SYNC Mark re-linked objects as ready to sync. 0		
Configure the Matching Attributes options. For this guide we will use the default selection How would you like map your Matching Attributes? Vou can select up to four (4) attributes. Attributes are matched in order; matching stops if a match is found.	options. For this guide we will use the default selections. Click your Matching Attributes? nching stops if a match is found.			
How would you like map your Matching Attributes? You can select up to four (4) attributes. Attributes are matched in order; matching stops if a match is found. Source Target MACCOURTURE X To MACCOURTURE X	your Matching Attributes?			NEXT 📎
You can select up to four (4) attributes. Attributes are matched in order; matching stops if a match is found. Source Target SubAccounthane SubAccounthane X	itching stops if a match is found.	Configure the M	atching Attributes	Options. For this guide we will use the default selections. Clic
Source Target		Configure the M	atching Attributes o	NEXT O options. For this guide we will use the default selections. Clic your Matching Attributes?
SMMccounthame V K SMMccounthame V		Configure the M How would	atching Attributes of you like map y	NEXT 📀 options. For this guide we will use the default selections. Clic your Matching Attributes?
		BACK Configure the M How would You can select up to four (4) attribu Source	atching Attributes of you like map y rtes. Attributes are matched in order; ma	NEXT 📀 options. For this guide we will use the default selections. Clic your Matching Attributes? arching stops if a match is found.
mail v X ^m mail v X		Configure the M How would You can select up to four (4) attribution fource	atching Attributes of you like map y utes. Attributes are matched in order; mar Target	NEXT 📀 options. For this guide we will use the default selections. Clic your Matching Attributes? arching stops If a match is found.

26. Review and configure the mapping attribute based on the project scope. Click **Finish** to complete the profile configuration for the Primary Profile.

Search fields			10 items v	
< 1 2 3 4 5 ADD FIELD REI	16 >> MOVE FIELD(S) SELECT ALL			ADVANCED EXPORT ALL
	k			FINISH 📎

Setting up the Stage Environment Profile

Follow these steps to setup the Stage Environment Directory Sync Profile. Note, the Staging Environment Profile should be configured on a separate Directory Sync Console as stated in the requirement section.

- 1. Launch the Directory Sync Pro web portal.
- 2. Click on the **Add Profile** button.



3. Click on the Add A Profile option.

6

	ADD A PROFILE
	Add a new profile using the Profile Wizard.
4.	Select the Active Directory Sync option.
	ACTIVE DIRECTORY SYNC
	This profile type is used to Sync between two Active Directory environments. Sync users, groups, devices, and even copy complete OU structures.
5.	Name the Sync Profile (example, Intra-Forest User Group Sync). Click Next. Let's start by naming your profile. Once you've named your profile, we will guide you step-by-step through the setup process. Intra-Forest User Group Sync Challe Profile Security DeLEGATION Profile security allows you to secure access to individual profiles using a list of user access.
6.	Owner: UA32 administrator List users by DOMAN MUNerranne separated by comma. Your name is already included. Select Intra Forest. Click Next.
	Nor the full of t
	S BACK NEXT S

- Use the default Logging Level. Click Next.
 Use the default sync interval option. Click Next.
- 9. Note, configure sync interval if you wish to run the sync profile automatically.
- 10. Enter the source credential. Click Next.

	Next we need source credentia	IS.			
	lab4\administrator	synchronization profil	e.		
	🔇 ВАСК				NEXT 📀
11.	Enter the source Global Catalog Server. Click	Search an	d then Ne	xt.	
	Enter the source Global Catalog	g server	•		
	This is the IP address or fully qualified domain name (FQDN) of the source Global Catalog se	rver you will be conne	ecting to.		
	10.1.10.50		SEARCH		
	THE DOMAIN NAME ASSOCIATED WITH THIS SERVER IS:				
	lau4.leagueteanniocai				
	BACK				NEXT 📎
12.	Click Add DC and configure the Global Catalo	g Server fo	or the Sour	ce Domain. C	Click Next.
	Let's select your source Domai	n Contr	ollers.		
	You will need at least one DC for each domain within scope. Click the ADD DC button.				
	Domain * Name ‡ FQDN ‡ IP lab4.leagueteam.local LAB4-EX Lab4-EX.lab4.leagueteam.local fe8				
	ADD DC			REMOVE	PING CONNECT
	🔇 ВАСК				NEXT 🌖
12	Click Add Olls and select the Organizational	l lpite for th		domain Click	Novt
13.	Solost vour source Organizational				NEXI.
	Select your source organizatio		LS.		
	These are the source ous you wish to synchronize. Double-click on any ou for advanced in	itering options.			
	Source OU OU=IntraSID.OU=DirSyncProObjects.DC=lab4.DC=leagueteam.DC=local	Sub OUs ¢	Groups 🕈	Disabled Users 🗢	Non-Mail 🗢
	🔇 ВАСК				NEXT 🚫
14.	Enter the target Global Catalog Server. Click S	earch and	then Nex	t.	
	Next we need target credentials.				
	Enter your target user name and password.				
	lab2/administrator				
	ВАСК				

15. Click Add DC and configure the Global Catalog Server for the target Domain. Click Next.

Enter the target Global Catalog server.	
This is the IP address or fully qualified domain name (FQDN) of the target Global Catalog server you will be connecting to	
Enter a server name or IP address	
THE DOMAIN NAME ASSOCIATED WITH THIS SERVER IS:	
🔇 ВАСК	

- 16. Enter the target Global Catalog Server. Click Search and then Next.
- 17. Click Add DC and configure the Global Catalog Server for the Target Domain. Click Next.
- 18. Click Select OU and configure the Organizational Units for the target domain. Click Next

	This is the Organizational Unit where you plan to store any newly created objects		
	Olisiates DC-Child DC-laber DC-lasmotesee DC-lacal		
	SELECT OU		
	CREATE OUS IN TARGET If enabled, the OUs synchronized from the source will be created in the target OU otherwise objects will	II be created directly in the target OU.	
	SYNC EMPTY OUS Enable this to copy empty source OUs to the target		
	PROTECT OUS FROM DELETION Enable this to set 'Protect container from accidental deletion' on OUs in Target		
	SYNC OU PERMISSIONS Enable this to ensure users will have access to newly created target OUs.		
	How should OU permissions be synchronized?		
	SYNC INHERITED OU PERMISSIONS If enabled, inherited source permissions will be recreated in the target.		
	🔇 ВАСК		NEXT 📎
19.	Enter the Default Password for new u	users. Click Next .	
	User password synchroniza	tion.	
	Note that the password policy on the source must meet or exceed the policy on t		
	SYNC PASSWORDS If enabled, passwords will be copied to the target.		
	FOR ALL OBJECTS If enabled, passwords for all objects will be synchronized. Otherwise, only passwords for objects created		
	DEFAULT PASSWORD FOR NEW USERS	CONFIRM PASSWORD	
	🔇 ВАСК		NEXT 📎
20.	Enable Automatic Sync. Click Next.		
	Next, a few sync options		
	These options affect how and when your objects are synchronized.		
	✓ ATTRIBUTE DELTA SYNC If enabled, only attributes changed on the source object will be synchronized. Otherwise, all attributes w	will be updated on the target object when the source object is modified.	
	AUTOMATIC SYNC fenabled, objects will be automatically set to Ready To Sync. Otherwise, objects will not be synced until	I manually marked as Ready To Sync via the Active Directory Migrator console.	
	PROTECT TARGET OBJECTS FROM DELETION frenabled, target objects will not be deleted if deleted in the source.		
	RECREATE DELETED TARGET OBJECTS if enabled, an object that was previously synced to the target and then deleted will be recreated automa	atically. Otherwise, the target object will NOT be recreated.	
	W BACK		NEXT >

- 21. Configure the Users Sync Options and Conflict Resolution. For this guide, the merge option can be used. 22. Configure the Group Sync Options and Conflict Resolution. For this guide, a merger option can be used.
- Do not check the Do Not Sync Group Members option for the primary sync profile.

DO NOT SYNC GROUP MEMBERS

Only the Group object and associated mapped fields will be synced, group members will be skipped.

23. For this guide, we will leave Synchronize Accompanying Groups option unchecked. Click Next.

SYNCHRONIZE ACCOMPANYING GROUPS

Automatically syncs any groups in which a user is a direct member.

24. For this guide, we will leave **Synchronize Members As Foreign Security Principals** option unchecked. Click Next.

	SYNCHRONIZE MEMBERS AS FOREIGN SECURITY PRINCIPALS Group members that cannot be matched in the target will be synchronized as Foreign Security Principals if trust relationships allow it and the target group is a Domain Local	Security Group.
25.	For this guide, we will skip Device Configuration. Click Next.	
	SKIP DEVICE CONFIGURATION	
	You can always set these options later from the profile dashboard.	
26.	Leave all options unchecked for Exchange Migration options. Click Next.	
	How would you like to configure your Exchange Migration?	
	TARGET PROXY ADDRESS OVERWRITE BEHAVIOR If checked, target proxy addresses will always be overwritten with source values, if unchecked, target proxy address values will be set only if the target attribute is currently empty. 0	
	PROMOTE TARGET USER CONTACTS Enable this feature to convert target contacts into mail-enabled users. 0	
	PROMOTE TARGET GROUP CONTACTS Enable this feature to convert target contacts: into mail-enabled groups. 0	
	UPDATE MAILBOX-ENABLED OBJECTS ONLY If enabled, only mailbox enabled objects will be updated and no other objects will be modified.	
	ВАСК	NEXT >

27. Leave all options as default for Email Address Policy options. Click Next.

27. Leave a 28. Leave a	Il options as default fo	or Matching options.	Click Next.	τ.
How	would you like t	o handle your I	Matching options	?
For more informatio	rr click here. 0 YEL METHOD the search area for matching objects. 0			
MATCHING ACT This option controls	TION what is done when a matching target object is found.	CREATE OR UPDATE CREAT	PE ONLY UPDATE ONLY NO UPDATE	
MATCH OBJ	ECT TYPES yects must also match on object type. This includes users, cor	tacts and group object types. 🖲		
RELINK OBJ Target objects previo	ECTS ously created by Directory Sync Pro for Active Directory that a	e no longer in the database, will still be recognized as a	a match during the matching process. 0	
RESTORE REAL Mark re-linked object	DY-TO-SYNC ts as ready to sync. ()			
🔇 ВАСК				NEXT 📎
29. Configu	re the Matching Attrib	ute option. For this	guide we will use the d	efault selections. Click Nex
How v	would you like m	ap your Match	ing Attributes?	
You can select up				
Source				
sAMAccountName	× × ↔ sAMAccountName × ×			
mail	× ➡ mail × ×			
cn				
Source Field	· × ↔ Target Field · ×			
🔇 ВАСК				NEXT 📎

30. Review and configure the mapping attribute based on the project scope. Click **Finish** to complete the profile configuration for the Primary Profile.

Search fields		Q VIEW SELECTED MAP	PINGS	10 items v		FILTER ~
< 1 2 3 4 5	. 16 →				ADVA	ICED EXPORT ALL
ВАСК	k					FINISH 📀

Setting up the sIDHistory Profile

Refer to the guidance for the Stage Environment and configure the sIDHistory Directory Sync Profile.

Migrating the sIDHistory

This section explains the step-by-step instructions on how to migrate sIDHistory in an Intra-Forest setup using the Directory Sync Profiles configured in the previous steps. The migration consists of three (3) steps:

- 1. Sync the objects from the source domain to the target domain within the same forest using the "Primary Directory Sync" Profile.
- 2. Pre-Stage the source objects in the staging forest with sIDHistory option enabled using the "Stage Environment" Profile.
- 3. Migrate the sIDHistory for the in-scope objects using the "sIDHistory" Profile.

Migrating the objects to the intra-forest domain

Follow these steps to migrate objects to the target intra-forest domain.

- 1. Launch the Directory Sync Pro web portal.
- 2. Select the Primary Directory Sync Profile and Click on Manage.
- 3. Click on Synchronization.
- 4. Select the **PUSHPULL** and Click on **Run Sync**.

SYNCHRONIZATION	CHOOSE A SYNC TYPE
ACTIONS	PUSHPULL SIMULATION PUSH PULL
SETTINGS	Pushes all changed source entries into SQL, and pulls all entries that are ready to sync into the target.
LOGS & REPORTS	RUN SYNC

- 5. Click on Logs and Reports and click on Sync Logs to review the log.
- 6. Verify the profile was synced successfully and there should be no errors. Some of the examples logging we expect to see are listed below.

SYNCHRONIZATION	Search logs				Q 10 items ~ FILTER ~
ACTIONS					
		638502494505733100			Pull complete
SETTINGS		638502494505733100			Saved profile Lab4 to Lab4-Child (14). Sync of target has completed
LOGS & REPORTS	26287	638502494501897200	05/02/2024 8:24 AM	Status	Done syncing target OU=Infra,DL=Lniid1,DL=laba,DL=leagueteam,DL=local using server 10.1.10.52 (te80:d10b:31b7/437/387/897/8942) for source OU=IntraSID,OU=DirSyncProObjects,DC=lab4,DC=leagueteam,DC=local
SETTINGS					Updated object during UpdateObject Object DN :CN=Lab4IntraGrp.OU=Intra.DC=Child1.DC=lab4.DC=leagueteam.DC=local code: Success Object attributes: member = CN=Lab4Intra1.OU=Intra.DC=Child1.DC=lab4.DC=leagueteam.DC=local
SYNC LOGS		638502494479516800		Debug	LDAP to 10.1.10.52 (fe80::d10b:3167:437c8778%12) for CN+Lab4IntraGrp.OU=Intra.DC=Child1.DC=lab4.DC=laagueteam.DC=local Request type: System.DirectoryServices.Protocols.SearchRequest : User: lab4\administrator
AUDIT LOGS SYNC REPORT		638502494479516800			LDAP to 10.1.10.52 (fe80::d10k:3167:437c:8778H12) for CN=LabAlintraGrp.OU=Intra.DC=Child1,DC=lab4.DC=leagueteam,DC=local Request type: System.DirectoryServices.Protocols.ModifyRequest User: lab4administrator
		638502494479516800		Debug	LDAP to 10.1.10.52 (fe80:d10b:3167:437c8778W12) for CN+LabAlintraGrp.OU=intra.DC=Child1, DC=labA DC=leagueteam,DC=local Request type: System.DirectoryServices.Protocols.SearchRequest : User: labAtadministrator
					Adding member 'CN-Labdintra1,OU-IntraDC-Child1,DC-labd,DC-leagueteam,DC-local' to group 'CN-LabdintraGrp.OU-Intra,DC-Child1,DC-labd,DC-leagueteam,DC-local'
LUGID					
ACTIVITY ID					
TIME					
LEVEL					
ERROR SOURCE					
MESSAGE					
Successfully cre	ated gr	oup CN=Lab4l	intraGrp,	-	X-Celli III-lahi Koringgalan di Franci
OS MESSAGE					
CALL STACK					
CLEAR		EXPO	DRT		CLOSE

7. Verify the objects are created as expected in the target child domain via the Domain Controller. sIDHistory should not be migrated to these objects from their source domain in the same forest at this point.

Migrating the objects to the staging forest

Follow these steps to migrate the sIDHistory to the staging forest.

- 1. Launch the Directory Sync Pro web portal.
- 2. Select the **Stage Environment** Profile and click on **Manage**.
- 3. Click on Synchronization.
- 4. Select the **PUSHPULL** and click on **Run Sync**.
- 5. Click on Logs and Reports and click on Sync Logs to review the log.
- 6. Verify the profile was synced successfully and there should be no errors. Some of the examples of logging we expect to see are listed below.

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7. Verify the objects are created as expected in the staging forest via the Domain Controller. sIDHistory should be migrated to these objects from their source domain to the staging forest.

Lab4Intra1	Properties					?	\times				
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Migrating the sIDHistory from the staging forest to the target domain

Follow these steps to migrate the sIDHistory from the staging forest to intra-forest target domain.

- 1. Launch the Directory Sync Pro web portal.
- 2. Select the **sIDHistory** Profile and click on **Manage**.

- 3. Click on **Synchronization**.
- 4. Select the **PUSHPULL** and click on **Run Sync**.
- 5. Click on the Sync Report after the sync is completed.
- 6. Select the objects in-scope for the sIDHistory migration and click on Ready to Sync.

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		Lab4IntraGrp	Group	CN=Lab4IntraGrp,OU=Intra- Staging,OU=DirSyncProObjects,DC=Lab2,DC=LeagueTeam,DC=loca		Insert	
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Last Updated * Source Name + Source Type + Source Object + Ready to Sync + Operation + Status + Target Name Lab4IntraGrp Group CN=Lab4IntraGrp.OU=Intra- Staging.OU=DurSyncProObjects.DC=Lab2.DC=LeagueTeam.DC=local Yes Insert Insert Lab4Intra1 User CN=Lab4Intra1.DU=Intra- Staging.OU=DurSyncProObjects.DC=Lab2.DC=LeagueTeam.DC=local Yes Insert Insert								
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8. Click on Synchronization.

7.

- 9. Select the **PUSHPULL** and click on **Run Sync**.
- 10. Click on Logs and Reports and click on Sync Logs to review the log.
- 11. Verify the profile was synced successfully and there should be no errors. Some of the examples of logging we expect to see are listed below.

LOG ID		
ACTIVITY ID		
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LEVEL		
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12. Verify the objects are created as expected in the target child domain via the Domain Controller. sIDHistory should be migrated to these objects from their source domain to the staging forest.

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FAQ

Question: How do I promote the staging forest; is there an automated method?

Refer to the below high-level steps to configure the staging forest. Assuming you have a fresh installation of Windows Server 2019 with the default Server installation. This server is intended to be the first domain controller in a new Active Directory forest used as the staging forest. Prior to attempting to promote this server to a domain controller, complete the following configuration:

- Install all the available Windows Updates.
- Configure the system time zone.
- Configure the computer name.
- Configure a static IP address.
- Install the Active Domain Service Feature using below PowerShell Command.
- Install-WindowsFeature -Name AD-Domain-Services
- Configure the Safe Mode Admin Password.
 \$Password = Read-Host -Prompt 'Enter SafeMode Admin Password' -AsSecureString
- Install and configure the domain.
 Install-ADDSForest -CreateDnsDelegation:\$false -DatabasePath C:\Windows\NTDS -DomainMode WinThreshold -DomainName staging.local -DomainNetbiosName staging -ForestMode WinThreshold -InstallDns:\$true -LogPath C:\Windows\NTDS -NoRebootOnCompletion:\$true -SafeModeAdministratorPassword \$Password -SysvolPath C:\Windows\SYSVOL -Force:\$true

Question: Why do we need to disable Group Membership Syncing for the Staging Profile and sIDHistory Profile?

Group Membership Syncing is time consuming as it needs to read every member in the group. For the purpose of sIDHistory Migration, Group membership is not required, and we can save time by disabling the group membership syncing option.

Question: Can I setup the sync profile to sync sIDHistory automatically to the target based on my user migration schedule?

Yes, you may configure the Staging and sIDHistory profile to process only objects that were migrated using an LDAP filter. Assuming you have migrated your users, you may update your source objects with 'Migrated' value in one of the AD attributes (ExtensionAttribute1), the Staging and sIDHistory profiles can be configured to only process objects with 'Migrated' stamped in ExtensionAttribute1.

Question: After I migrate the sIDHistory, should I do anything to my source objects; will there be a problem if the sID exists in both objects in the same forest?

You need to delete the source objects that are migrated after sIDHistory are copied.

Question: Can I pre-stage my objects in the staging forest before my user cutover events?

Yes, you may pre-stage your users and groups from the source domain in the staging forest ahead of your migration cutover event.

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Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at https://support.quest.com.

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- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.