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Synchronize ESET PROTECT with Active Directory

Steef | ESET Nederland - 2021-05-26 - Comments (0) - ESET PROTECT On-prem

Issue

- A synchronization task is required to sync the ESET PROTECT Virtual Appliance or ESET PROTECT for Linux with Active Directory
- If automatic synchronization fails in ESET PROTECT for Windows Server, you can use a task to sync ESET PROTECT with your Active Directory
- Configure communication between your ESET PROTECT Virtual Appliance and your existing Active Directory
- The No agent icon is next to the computer name and the inability to push install

Solution

Prerequisites

For the Active Directory (AD) sync task to run effectively, it is important that all AD objects that will be synced and their corresponding DNS and reverse DNS records are correct on all servers. Any inconsistency in these items can result in an incorrect sorting of AD objects or excess AD objects being placed in the **Lost and Found** group.

- 1. <u>Open the ESET PROTECT Web Console</u> in your web browser and log in.
- Click Tasks → Server Tasks → Static Group Synchronization and then click New → Server Task.

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	DASHBOARD	Tasks	:	0		ACCESS GRO	UP Select 🛙	8	E Static Group Synchr (1)	Tags	ADD FILTER
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A	DETECTIONS	Modules Update	^		Stat	c group synchroni	ation				Static group synchronization with Ac
54 12	Reports Tasks	On-Demand Scan Product Activation Software install									
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¢	Notifications	Static Group Synchronization									
8	Status Overview	User Synchronization									
***	More >	E Generate Report									
		Rename Computers	Ь.								
		Delete Not Connecting Computers	×								
		Tags	,c								
		This is where you can see the list of your applied tags and quicky filter them.		 Cler Servi 	t Task er Task	7					
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3. Type a Name for your new task into the appropriate field and select Static Group Synchronization (selected by default) from the Task drop-down menu. We recommend that you select the check box next to Run task immediately after finish for the fastest response time.

ese) protect	
		New Server Task
G		Tasks > Active Directory Synchronization
A		
		Basic Name
		Settings Active Directory synchronization
÷		Advanced Settings - Throttling Settings
۲		Summary Description
Φ		Description
v		
		Static Group Synchronization
		BACK CONTINUE FINISH CANCEL

- Click Settings and click Select under Static Group Name. Select the static group that will receive new computers and users from AD and then click OK.
 Define the synchronization behavior with AD objects:
 - Object to synchronize-select Computers and Groups or Only Computers.

- Computer Creation Collision Handling-if the synchronization adds computers that are already members of the Static Group, you can select a conflict resolution method:
 - **Skip**-synchronized computers will not be added.
 - **Move**-new computers will be moved to a subgroup.
 - **Duplicate**-a new computer is created with a modified name.
- **Computer Extinction Handling**-If a computer no longer exists in the AD, you can either **Remove** this computer or **Skip** it.
- **Group Extinction Handling**-If a group no longer exists in the AD, you can either **Remove** this group or **Skip** it.
- Synchronization Mode-to synchronize with the AD, select Active Directory/Open Directory/LDAP.



- 5. In the **Server Connection Settings** section, type the following information into the corresponding fields:
 - Server-Type the Server name or IP address of your domain controller.
 - Login-Type the login credentials for your domain controller in the format username@DOMAIN or username. If you are running the ESET PROTECT Server on Windows, use the format DOMAIN\username.



• **Password**-Type the password used to log in to your domain controller.

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lvanced Settings - Throt	ttling Login 🗇
mmary	
	Password
	Show password
	Use LDAP instead of Active Directory \odot
	Synchronization Settings
	i Distinguished Name ③
	BROWSE
	Excluded Distinguished Name(s) \odot
	*
	BACK CONTINUE FINISH CANCEL
You can also p	pre-set the AD settings in More \rightarrow Server Settings \rightarrow Advanced Settings \rightarrow Active
synchronizatio	ET PROTECT uses your credentials by default in AD synchronization tasks (<u>user</u> on, static group synchronization, domain security group synchronization). When the relation is the state of the synchronization is the state of the synchronization is a synchronization.
	blank in the task configuration, ESET PROTECT uses the pre-set credentials.
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fields are left l • Host-th • Usernar • DC • use	ne address of your domain controller. ne –Type the Username for your domain controller in the following format: DMAIN\username (ESET PROTECT Server running on Windows) ername@FULL.DOMAIN.NAME or username (ESET PROTECT Server running on Linux)
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fields are left l Host-th Usernar OC Usernar Passwor Root co	The address of your domain controller. The address of your domain controller in the following format: DMAIN\username (ESET PROTECT Server running on Windows) The address of the server running on Linux) The passphrase for your username. The full identification of an AD container (for example:

6. Select the check box next to **Use LDAP instead of Active Directory**.



7. The **LDAP Parameters** settings will be displayed. Under **Presets**, click **Select** and then select **Active Directory**.

New Server Task Tasks > Active Directory Synchronizat	lon
Basic	Use LDAP instead of Active Directory [⊙]
Trigger	LDAP Parameters
Advanced Settings - Throttling Summary Presets	Presets ⑦ SELECT CLEAR
Mac OS X 1 Mac OS X 1 OpenLDAP	ierver Open Directory (Computer Host Names) Server Open Directory (Computer IP Addresses) with Samba computer records
	Server Hostname Attribute ③
	▲ Nodes Filter ③
	▲ Node Display Name Attribute ③
	▲ Computers Filter ③
	BACK CONTINUE FINISH CANCEL

8. Select the check box next to **Use Simple Authentication**.



Computer Description Attribute field in ESET PROTECT

The **Computer Description Attribute** field is available when configuring LDAP. Only attributes of the type Directory String can be used.

Attribute	Example				
dNSHostName	windows10.admin.mydomain				
cn	WINDOWS10				
name	WINDOWS10				
operatingSystem	Windows 10 Enterprise N				
operatingSystemVersion	10.0				
sAMAccountName	WINDOWS10\$				
servicePrincipalName	windows10.admin.mydomain				
description	Default container for upgraded computer accounts				

 Click Browse next to Distinguished Name. Your AD tree will be displayed. Select the top entry to sync all groups with ESET PROTECT, or select only the specific groups that you want to add. Click OK when you are finished.

AD tree not loading If the AD tree does not load, deselect the check box next to **Use Simple Authentication** and try again.

New Server Task Tasks > Static Group Synchronization			
	description		
Basic	Computer Hostname Attribute ③		
Settings	dNSHostName		
Trigger Advanced Settings - Throttling	Computer Hostname Regular Expression ③		
Summary	(*)		
	Synchronization Settings		
	i Distinguished Name 🛞		
		BROWSE	Please select item ×
	Excluded Distinguished Name(s) 💿		∧ da lester Active Directory
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	Ignore Disabled Computers (only in Active Directory) 💮		V ∆ System V ∆ Clars
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10. Click **Finish**. Your new task will be displayed in the list of tasks on the right and will run at the time you specified.