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User management with LDAP

- 2022-01-10 - Industrial HiVision

This lesson explains how to setup the user management of Industrial HiVision as of v6.0 in combination with LDAP.

Access Roles



Create the following access roles:

- edit_mode with permission Login, Edit Mode
- login with permission Login
- user_management with permission Login, Edit Mode, User Management
- web_access with permission Login, Web Access

Create local superuser



Create a local superuser with all access roles. This insures access even if the authentication server is not available.

Important is to give the superuser permission to access the user management.

Installation of Active Directory Server

For the installation procedure of Windows AD Server 2012 please refer to the following knowledge base article:

http://social.technet.microsoft.com/wiki/contents/articles/12370.windows-server-2012-set-u p-your-first-domain-controller-step-by-step.aspx

Example LDAP Server Configuration

Dashboard	• Over Manager • Local Server • ③ Manage Tools PROPERTIES For WIN-8P9NI8RL2VI	View Help
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In your Server Manager got to Tools - Active Directory Users and Computers and create the following structure:

HAC.AD.local

-OU=Neckartenzlingen

- --OU=Groups
- ---CN=admin
- ---CN=user
- --OU=Users
- ---CN=IHVadmin
- ---CN=IHVuser

The IHVadmin user is member of group admin, while the IHVuser is member of group user.

LDAP Browser

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Use a LDAP Browser like Softerra

(<u>http://www.ldapadministrator.com/softerra-ldap-browser.htm</u>) or JX Explorer (<u>http://jxplorer.org/</u>) to verify the LDAP server structure.

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In the picture you can see how the organizational structure in LDAP is mapped to the LDAP Server Configuration dialog of Industrial HiVision.

Policy order

Preferences		
Basics	User Management	
Discover Devices		
User Management	Access Roles	
Event Forwarding	Role Name 4 Login Edit Mode Liser Manag Web Access	New
Event Actions	admin V V V	
User defined Actions	user 🔽 🗖 🖉	Edit
License		Delete
Display		
Appearance		
Status Colors		
Device Icon	Policies	
Advanced	Local Users: Edit	
Program Access		
	LDAP Server: Edit	
Management Station	RADIUS Server: Edit	
OPC-SNMP	Selectable Policies Selected Order	
Services	local	
External Applications	RADIUS	
Device/Port Names		
Load/Save		
1:1 NAT Devices		
Mobile Devices		
	J	
	OK Apply Cancel	Help

First pick your choice from the selectable policies and move them with the arrows to the Selected Order.

Change the order by highlighting one entry and move up or down using the arrow buttons.

Make sure that local authentication comes first

Test before activate



Before activating the User Management the pop-up window offers the possibility to test your current user configuration. These 2 error messages can appear:

User Manag	ement		×
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User Manag	ement 🗾		
😢 т	he user or the password is incorrec	t.	
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Hdp			
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After activating the User Managment you need to login each time you start IHV. If you have followed this guide you can now login with local users as well as LDAP users.