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Virtualization Practical 6

Practical 6 : Adding an ESXi Host to Active Directory

1. Single Sign-On (SSO) users can be configured to access the vSphere Web Client like an admin user. But, if a machine with Platform Services Controller (PSC) is added to Active Directory Domain, the user is automatically added to SSO. Here is the current Active Directory.

Brave - Virtualization 101 (HOL-2410-01-SDC) | Lab Console | VMware Lab Platform

https://labs.holvmware.com/HOL/console/lab/HOL-2410-01-SDC-HOL/NEE-5770_6890323843/vm-66271381

Time Remaining: 00:54:30

SEND TEXT CTRL+ALT+DEL NOTES POWER DOWN POWER RESET

Firefox Web Browser

Sep 27 7:40 PM

https://vcsa-01a.corp.vmbeans.com/ui/app/admin/ssso-configuration/identity-provider

HOL Admin Region A esx-03a Admin

vSphere Client Search in all environments Administrator@VSPHERE.LOCAL

Administration

Licenses

Solutions

Client Plugins

vCenter Server Extensions

Deployment

System Configuration

Customer Experience Improvement Program

Client Configuration

Support

Upload File to Service Request

Certificates

Certificate Management

Single Sign On

Users and Groups

Configuration

Recent Tasks Alarms

Configuration

Identity Provider Local Accounts Login Message

CHANGE IDENTITY PROVIDER

Type Embedded

Identity Sources

Active Directory Domain

Smart Card Authentication

JOIN AD LEAVE AD

Node

vcsa-01a.corp.vmbeans.com

The node didn't join any Active Directory.

1 item

LIST CURRENT USERS AND ADD NEW USER

Click to enlarge

1. Click on Users and Groups under Single Sign-On
2. From the drop-down list, select vsphere.local for the Domain
3. On the Users tab, click the Add

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Virtualization Practical 6

- From the Administrator option in the top-left menu, access the SSO settings and add user with details to it.

The screenshot displays the VMware vSphere Client interface. In the top-left menu, the 'Administrator' option is selected. The 'SSO Settings' page is open, and the 'Users and Groups' section is active. The 'Add User' dialog box is open, showing the following details:

- Username: holadmin
- Password: VMware!! (masked)
- Confirm Password: VMware!! (masked)
- First Name: HOL
- Last Name: Admin
- Email: holadmin@vsphere.local
- Description: (empty)

The 'ADD' button is highlighted. To the right, a 'MANUAL' sidebar provides instructions for adding a new user:

- Fill out the New User form as follows:
 - Username: holadmin
 - Password: VMware!!
 - Confirm password: VMware!!
 - First name: HOL
 - Last name: Admin
 - Email address: holadmin@vsphere.local
- Click ADD to create the user

NOTE: You cannot change the user's name after you create the user. First and Last name are optional parameters.

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Virtualization Practical 6

3. Now, the user is added to SSO as seen in the list.

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https://labs.holvmware.com/HOL/console/lab/HOL-2410-01-SDC-HOL/NEE-5770_6890323843/vm-66271381

VMWARE HANDS-ON LABS

Welcome, Yash Lakhtariya

HELP | PRIVACY | MY PROFILE | LOG OUT | ENGLISH

Lab: Virtualization 101 (HOL-2410-01-SDC)

TIME REMAINING: 00:50:36 | EXTEND

SEND TEXT | CTRL+ALT+DEL | NOTES | POWER DOWN | POWER RESET

Activities | Firefox Web Browser | Sep 27 7:44 PM

vsphere - Users and Groups

https://vcsa-01a.corp.vmbeans.com/ui/app/admin/ssu-users/users

HOL Admin | Region A | esx-03a Admin

vsphere Client | Search in all environments | Administrator@VSPHERE.LOCAL

Administration

- Licenses
- Solutions
 - Client Plugins
 - vCenter Server Extensions
- Deployment
 - System Configuration
 - Customer Experience Improvement Program
 - Client Configuration
- Support
 - Upload File to Service Request
- Certificates
 - Certificate Management
- Single Sign On
- Users and Groups
- Configuration

Users and Groups

Users | Groups

Domain: vsphere.local

Find:

ADD | EDIT | DELETE | MORE

	Username	First Name	Last Name	Email	Description	Locked	Disabled	Domain
	Administrator	Administrator	vsphere.local			No	No	vsphere.local
	lvrbt@VSPHERE.LOCAL					No	No	vsphere.local
	walter-77a7199a-0d16-49a9-be89-6aaf03333b	walter	77a7199a-0d16-49a9-be89-6aaf03333b			No	No	vsphere.local
	holadmin	HOL	Admin	holadmin@vsphere.local		No	No	vsphere.local

1 - 5 of 5 users

CREATE THE NEW GROUP

Add Group

Group Name: HOL Group

Add Members: holadmin

Click to enlarge

1. For the Group Name, type HOL Group
2. Add the user that was previously created by typing holadmin
3. Click holadmin from the drop-down list
4. Click the Add button

8:14:01 AM

6.5 k
23.0 k

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Virtualization Practical 6

4. Also groups can be configured. Add a group named HOL Group with the newly added SSO user in it.

The screenshot displays the VMware Hands-on Labs interface. The main window shows the 'vSphere - Users and Groups' configuration page. A modal dialog titled 'Add Group' is open, with the following fields:

- Group Name:** HOL Group
- Description:** (empty)
- Add Members:** vsphere.local
- Search:** holadmin X

At the bottom of the dialog are 'CANCEL' and 'ADD' buttons. To the right, a 'CREATE THE NEW GROUP' guide is visible, providing a numbered list of steps:

1. For the Group Name, type HOL Group
2. Add the user that was previously created by typing holadmin
3. Click holadmin from the drop-down list
4. Click the Add button

The interface also shows a 'VMware Hands-on Labs' header with a welcome message to 'Yash Lakhtariya' and a 'Lab: Virtualization 101 (HOL-2410-01-SDC)' title. The bottom status bar indicates the time as 8:14:28 AM.

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5. As seen, the group is added and members can be added or removed.

The screenshot shows the vSphere Client interface with the 'Users and Groups' tab selected. The 'Groups' sub-tab is active, displaying a list of groups. The 'HOL Group' is highlighted. A sidebar on the right contains a manual entry titled 'ADD MEMBERS TO A VCENTER SINGLE SIGN ON GROUP IN THE VSPHERE CLIENT'.

ADD MEMBERS TO A VCENTER SINGLE SIGN ON GROUP IN THE VSPHERE CLIENT

Members of a vCenter Single Sign On group can be users or other groups from one or more identity sources. Members of a group are called principals. Groups listed on the Groups tab in the vSphere Client are internal to Single Sign On and are part of the identity source System-Domain. You can add group members from other domains to a local group. You can also nest groups.

Conclusion : Thus, the Single Sign-On (SSO) user plays a central authentication role by allowing users to access multiple vSphere services and components with a single set of credentials. It provides a unified authentication mechanism, simplifying user management and enhancing security within the vSphere environment.