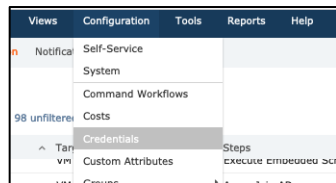


Add Provisioned instance to CyberArk

High Level Scope: After provisioning an instance this module will Create an entry in add the image Password for consumers to CyberArk to be rotated based on the Safes policy. This is a module that can be used in any order in a completion workflow.

Credential Creation

1. In the Commander admin portal, we need to create an account for running API calls into to CyberArk. Navigate to “Configuration> Credentials”

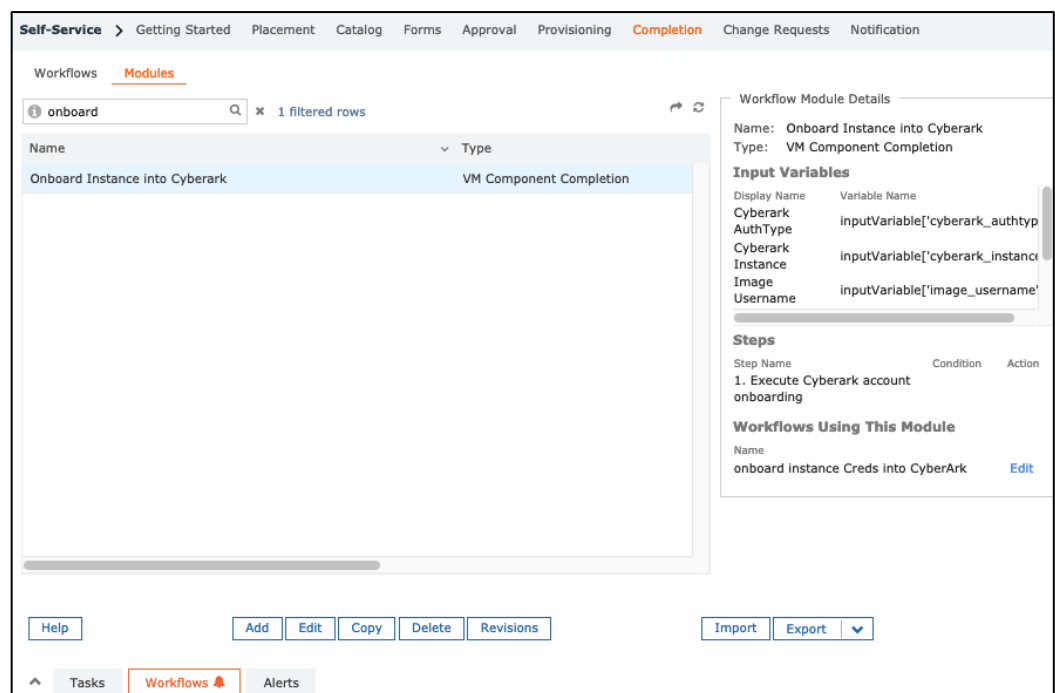


2. Select “Add” in the lower left of the Credentials pane.
3. In the Add Credentials window add the credential that will be used by Commander to communicate with CyberArk. We recommended you add a short description which will be hover text when selecting the credential should you have similar Credential names in the future.

A screenshot of the 'Edit Credentials' window in the Commander admin portal. The window has a dark blue header with the title 'Edit Credentials' and a close button. The form contains the following fields: 'Credentials Type' (a dropdown menu set to 'Username/Password'), 'Name' (a text box containing 'CyberArk_API'), 'Username' (a text box containing 'Mike'), 'Password' (a text box with masked characters), 'Description' (a text box containing 'CyberArk Api credential'), and 'Category' (a dropdown menu set to 'Guest OS Credentials'). At the bottom of the window, there are three buttons: 'Help', 'OK', and 'Cancel'.

Completion Workflow Module

1. In this step we will import the completion workflow module. In the Commander Admin Portal navigate to Configuration> Self Service> Completion.
2. Select the Modules tab.
3. Select Import, then in the Import Workflow dialog, choose “Onboard_Instance_Cyberark.json” add a description and click “Import”. Once complete you’ll see the module imported.



4. Now we need to edit a couple items in the module itself. Edit the module and select next to display the Steps. Click on the script contents window to expand it. The only item that needs to be edited is the \$BypassCert variable. This variable defines if the script ignores an unsigned API endpoint on the CyberArk Server. If your Server has a valid Certificate, then set this value to “no”

Script Contents

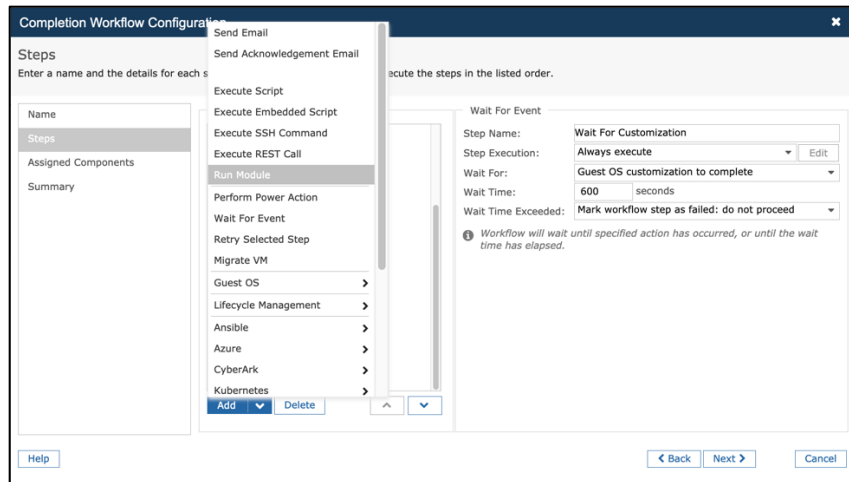
```
1 <#
2 CyberArk instance Account onboarding, specifies credentials to be changed by CyberArk
3 The $Address variable can be change to IP address if required instead of DNS
4 #>
5
6 $Instance = "#{inputVariable['cyberark_instance']}"
7 $UserName = (Get-Item Env:SELECTED_CREDENTIALS_USERNAME).value;
8 $Password = (Get-Item Env:SELECTED_CREDENTIALS_USERNAME).value;
9 $AuthType = "#{inputVariable['cyberark_authtype']}"
10
11 $newusername = "#{inputVariable['image_username']}"
12 $newpassword = "#{inputVariable['image_password']}"
13 $address = "#{target.dnsName}"
14 $SafeName = "#{inputVariable['safe_name']}"
15 $PlatformID = "#{inputVariable['platform_id']}"
16
17 # yes or no to bypass unsigned cert on the cyberark server.
18 $BypassCert = "yes"
19
20 #####
21 if(!$Instance) -or !$SafeName -or !($UserName) -or !($AuthType) -or !($Password) -or !($P
22     Write-error "Please provide the required information for the module to run correctl
23     Exit 1
24 }
25
26 #ignore Commander unsigned Certificate
27 if ($BypassCert -eq "yes"){
28     Write-host "- Ignoring invalid Certificate" -ForegroundColor Green
29 }
30 add-type @"
31
```

Help

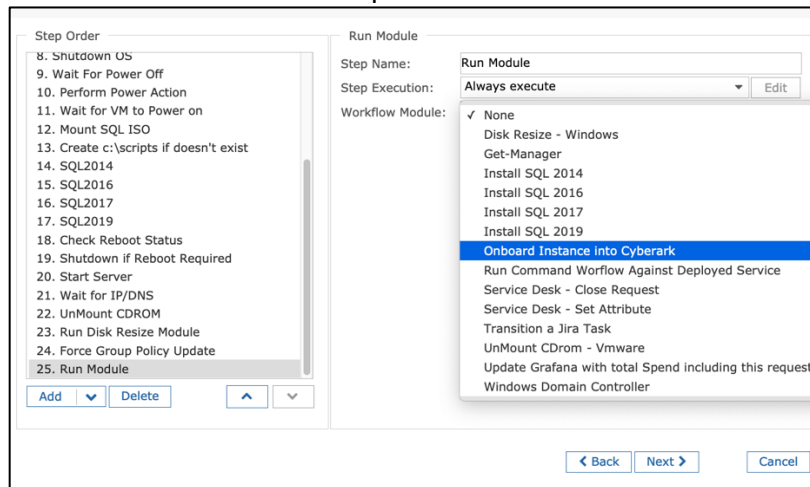
5. Click OK, Next and Finish to exit the wizard.

Adding the Module to a completion Workflow

1. Navigate to Configuration> Self Service> Completion in the Snow Commander Admin Portal.
2. Select the Workflow which you would like to add the module step to and Select Edit
3. On the steps Selection, choose Add> Run Module.



4. Select the Module from Dropdown Menu



5. Now to set the variable details for this step. These are the variables that need to be populated:

image_username

Username used in the image to be rotated by CyberArk.

platform_id

Platform identifier for the account, this must already exist in CyberArk or the request will fail.

safe_name

Name of the Safe that the account will be created in.

cyberark_authtype

Auth type for the user account used for API calls to CyberArk, supported types are: CyberArk, LDAP, RADIUS, Windows.

cyberark_instance

DNS address of the CyberArk Server.

image_password

Password in the image for the credential to be rotated by CyberArk

Completion Workflow Configuration

Steps
Enter a name and the details for each step. The Completion Workflow will execute the steps in the listed order.

Name	Step Order	Run Module
Steps	10. Perform Power Action	Step Name: CyberArk_Account_Creation
Assigned Components	11. Wait for VM to Power on	Step Execution: Always execute
Summary	12. Mount SQL ISO	Workflow Module: Onboard Instance into CyberArk
	13. Create c:\scripts if doesn't exist	Input Variables
	14. SQL2014	Display Name: Default Value
	15. SQL2016	Cyberark AuthType: LDAP
	16. SQL2017	Cyberark Instance: cybrazure.cyberark.skytapdns.com
	17. SQL2019	Image Username: cak_admin
	18. Check Reboot Status	Image Password: !Carnst1724E#
	19. Shutdown if Reboot Required	
	20. Start Server	
	21. Wait for IP/DNS	
	22. UnMount CDROM	
	23. Run Disk Resize Module	
	24. Force Group Policy Update	
	25. Run Module	

Buttons: Add, Delete, Up, Down

Navigation: < Back, Next >, Cancel

Module Results

- When the Completion Workflow is triggered after a VM deployment, and the module has run. The following results will be seen in the comments

Add Comment

Comments

SYSTEM at 2021/07/21 15:23:57
Workflow "onboard instance Creds into CyberArk" with ID #4,892 for "sbgrafana" has completed.

SYSTEM at 2021/07/21 15:23:57
Module "Run Module" Completed

SYSTEM at 2021/07/21 15:23:57
Embedded script successfully completed. Output of script follows. - Ignoring invalid Certificate Account sbgrafana.pv.embotics.com has been created sucessfully

SYSTEM at 2021/07/21 15:23:52
Starting Module "Run Module"

Comment (Required)

8000 chars left

Buttons: Add Comment, Close

- In CyberArk, the new Account entry will exist with the specified Safe and Platform identifier.

CYBERARK

Last sign in: 2021-07-21Mike

»

Accounts View

sbgra

Ad-Hoc connectionAdd account

1 results for: sbgra

Status	Username	Address
	cak_admin	sbgrafana.pv.embotics.com

cak_admin On sbgrafana.pv.embotics.com

Platform: Unix via SSHSafe: Linux Accounts

ShowCopy...Connect

OverviewDetailsActivitiesVersions

Compliance Status

Compliant

0

Days ago

Changed by Mike
Jul 21, 2021 3:23 PM

ReconcileChange

Last Verified

Never Verified

Created 2 minutes ago

Verify

Activities (Last 5)

Jul 21 3:23:56 PMMikeAdd File Category

Last Access

by Mike
Today