Integrating BackBox and CyberArk

Partner Information

CyberArk Community – https://cyberark-customers.force.com/s/

BackBox Community – https://support.backbox.com/s/

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Overview

CyberArk integration with BackBox is similar to other CyberArk integrations with other tools using CyberArk's credential provider AIM (Now known as Application Access Manager (AAM)).

Preparation

CyberArk has an RPM for Linux. CyberArk requires them to install the AAM on the BackBox server(s). All versions of CyberArk are compatible – AIM/AAM 10.10 – 12.X.

> ***NOTE***: If needed, you can find a link to the Installation documentation from their website: https://docs.cyberark.com. Under 'Secrets Management' select the 'Credential Providers', then select 'Installation', pick your version from the drop down, then 'Installation'.

Example and link to the CyberArk v10.10 Installation Instructions:

Post-AAM Installation

Once the AAM is installed and configured on BackBox (by CyberArk) - BackBox will need to be updated using the *clipassword* command:

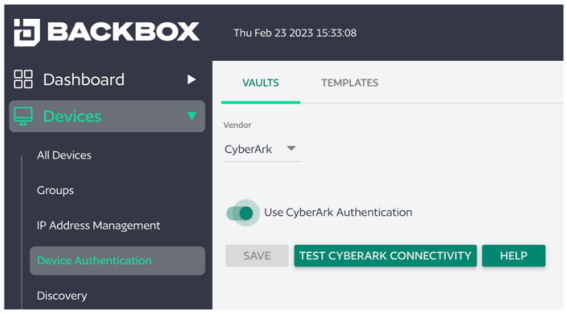
"`clipasswordsdk GetPassword`" queries to retrieve passwords.

Example:

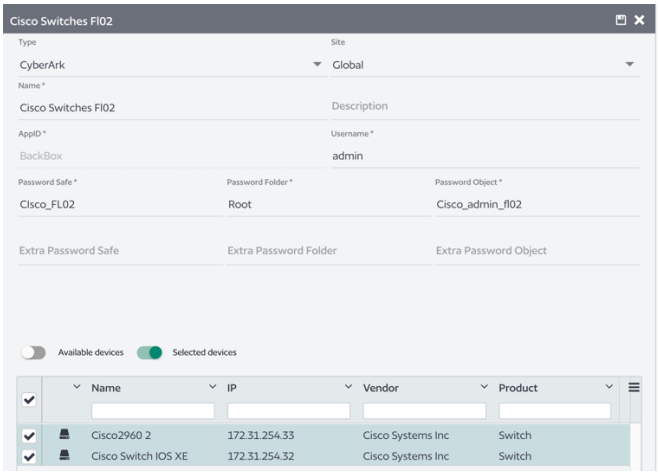
```
clipasswordsdk GetPassword -p AppDescs.AppID="BackBox" -p
Query="Safe=<PasswordSafe>;Folder=<PasswordFolder>;Object=<PasswordO
bject>" -o Password
```

Logins are chosen by creating Templates and assigning these templates to the devices (example below).

Start by going to the BackBox webUI under Devices / Device Authentication / Vaults / Vendor: CyberArk and Toggle on the Use CyberArk Authentication:



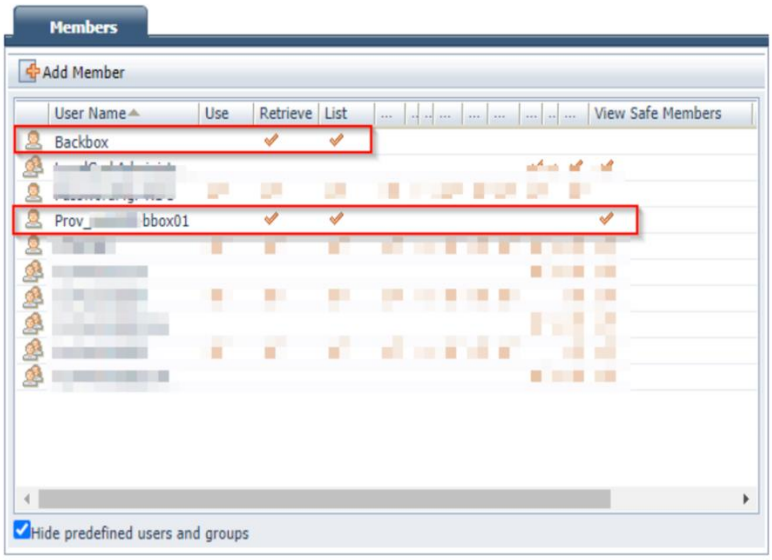
Next select the Templates section next to Vaults and +Add a new CyberArk Authentication Template:



Type: Select CyberArk
AppID: Defaults to BackBox.

Username: This is the Device Connection Username.
Password Safe: The name of the CyberArk Safe where passwords are saved.
Password Folder: Commonly Root.
Password Object: This is the Device Connection Account Name.

NOTE: The permissions on the Safe Member in CyberArk require additional updates. It will need Retrieve, List, and View Safe Members selected where as 'Backbox' will just need Retrieve and List selected. Both of those accounts have to be present for it to retrieve the credentials.



The second highlighted line in the screenshot is the AIM account that is created when you install the package on BackBox.

NOTE: it defaults to localhost, instructions below include how to update the hostname on the backbox server so this is relevant (you can update the parameters during the install to change that as well).

Changing the Hostname

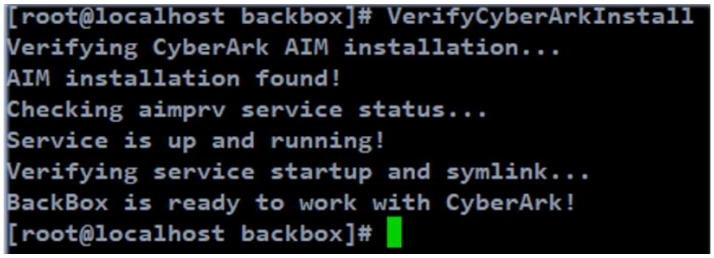
Via the BackBox CLI, edit the file /etc/sysctl.conf :

- The last line will contain "*kernel.hostname*= "
- A reboot of the BackBox instance is necessary for this to take effect.
- We strongly suggest adding the new hostname to the /etc/hosts file as well.

To verify the installation simply execute the following command on BackBox CLI:

VerifyCyberArkInstall

The output from a successful installation will show as follows:



If you need additional help, please contact BackBox Support at support@BackBox.com