

XFUSION CyberArk Plugin 1.0

User Guide

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About This Document

Overview

CyberArk needs two plug-ins from xFusion to interconnect with an xFusion server.

This document describes how to install and upgrade the plug-ins in CyberArk.

Intended Audience

This document is intended for:

- Technical support engineers
- Maintenance engineer

Symbol Conventions

The symbols that may be found in this document are defined as follows:

Symbol	Description
 DANGER	Indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.
 NOTICE	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results. NOTICE is used to address practices not related to personal injury.
 NOTE	Supplements the important information in the main text. NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration.

Change History

This part describes cumulative changes in each version of this document. The latest document issue contains all the changes made in earlier issues.

Issue	Date	Description
01	2024-03-25	This issue is the first official release.

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1 Overview

Function Description

The CPM plug-in and PSM plug-in are designed for CyberArk to interconnect with an xFusion server. After the plug-ins are installed, you can manage server accounts and passwords on CyberArk.

The plug-ins provides the following functions on CyberArk:

- Management of iBMC accounts and passwords, including saving, verifying, and changing passwords
- Reconciliation of iBMC non-administrator accounts (available only for the iBMC administrator account)
- Periodic password validation, periodic password change, and automatic reconciliation
- Access to the iBMC (login required)

Supported Servers

Table 1-1 Supported servers

Architecture	Type	Server Model
x86	Rack servers	1288H V6
		2288H V6
		2488H V6
		5885H V6
		1288H V7
		2288H V7
		5288 V7

Applicable CyberArk Component Versions

CyberArk Component	Software	Version
Vault	Server-RIs	12.6.10
	Client-RIs	12.6
Central Policy Manager(CPM)	Central Policy Manager-RIs	12.6.10
Password Vault Web Access(PVWA)	Password Vault Web Access-RIs	12.6.10
Privileged Session Manager(PSM)	Privileged Session Manager-RIs	12.6.9

2 Installing the Plug-ins

[2.1 Preparing for Installation](#)

[2.2 Installing the Plug-ins](#)

2.1 Preparing for Installation

This section describes the preparations for installing the plug-ins.

Software Requirements

Before installing the plug-ins, ensure that the CyberArk component versions are supported.

Data Preparations

Log in to the [FusionPlugin software download page](#) to download the latest plug-in software packages, which are named **XFUSION-iBMC-Plugin_v*.zip** and **XFUSION-iBMC-PSM_v*.zip**.

2.2 Installing the Plug-ins

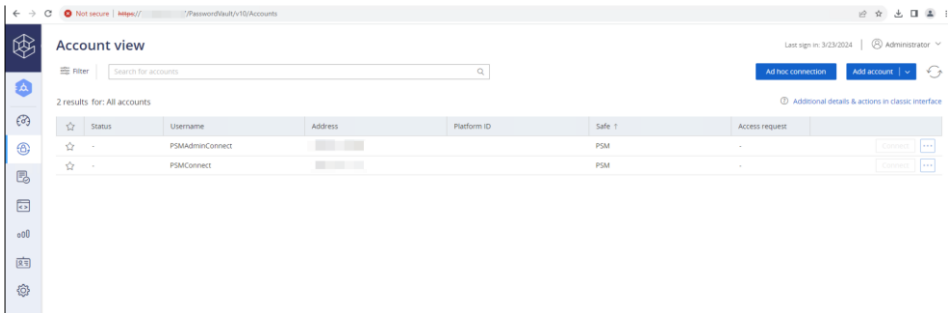
2.2.1 Importing the Platform (CPM Plug-in)

Procedure

Step 1 Open a browser, and enter **https://<PVWA_Server_IP>/PasswordVault** in the address box and press **Enter**.

Step 2 Enter your login information to access the CyberArk management page.

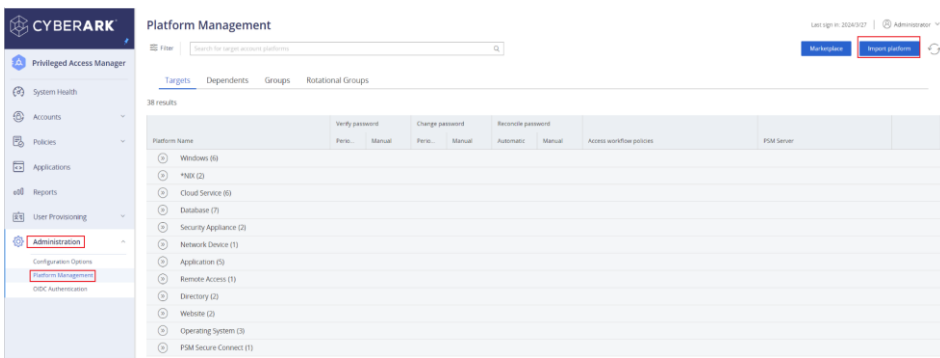
Figure 2-1 Management page



Step 3 Click  in the lower left corner and choose **Administration > Platform Management**.

The **Platform Management** page is displayed.

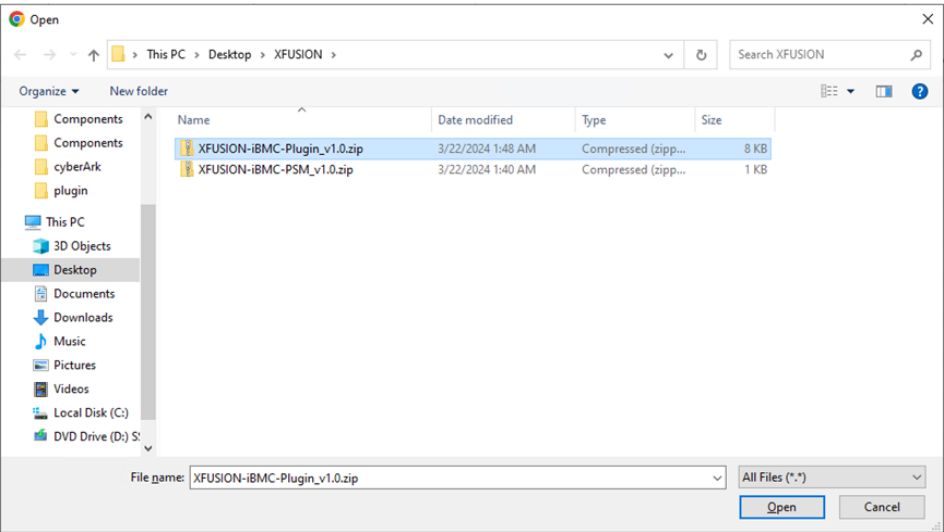
Figure 2-2 Platform Management page



Step 4 Click **Import platform** in the upper right corner.

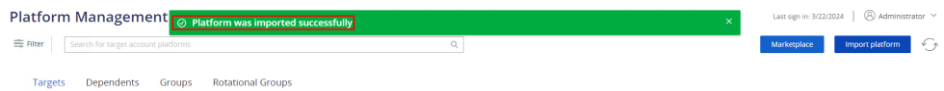
The **Open** dialog box is displayed.

Figure 2-3 Open dialog box



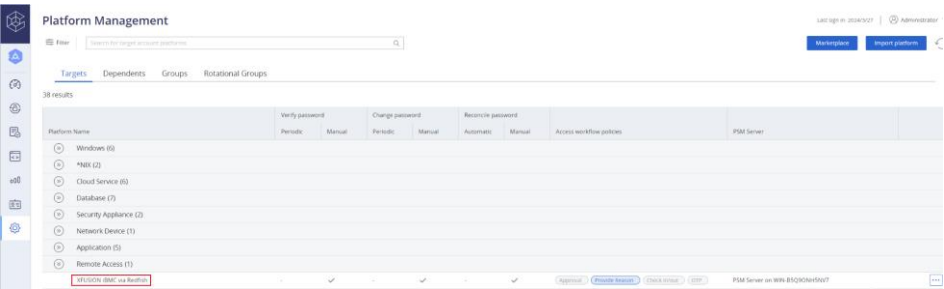
Step 5 In the displayed dialog box, select the CPM plug-in package to be imported.
After the import succeeds, the message "Platform was imported successfully" is displayed on the top of the page.

Figure 2-4 Prompt message



Step 6 After the import, you can click  to the left of **Remote Access** on the current page to unfold the plug-in list and check whether the imported plug-in is on the list.

Figure 2-5 Platform Management page



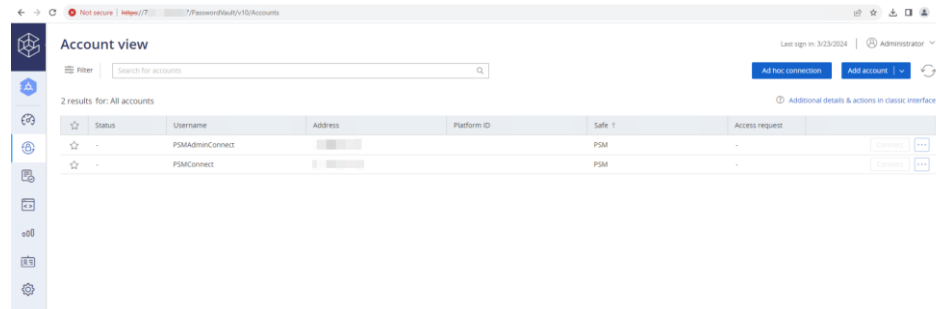
----End

2.2.2 Importing the Connector (PSM Plug-in)

Step 1 Open a browser, and enter **https://<PVWA_Server_IP>/PasswordVault** in the address box and press **Enter**.

Step 2 Enter your login information to access the CyberArk management page.

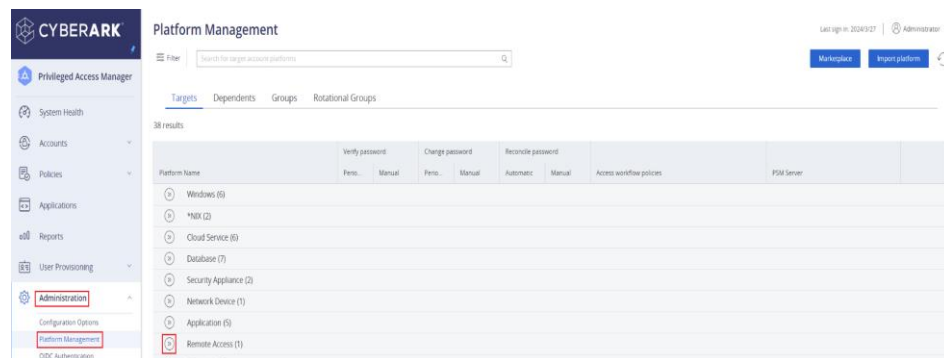
Figure 2-6 Management page



Step 3 Click  in the lower left corner and choose **Administration > Platform Management**.

The **Platform Management** page is displayed.

Figure 2-7 Platform Management page

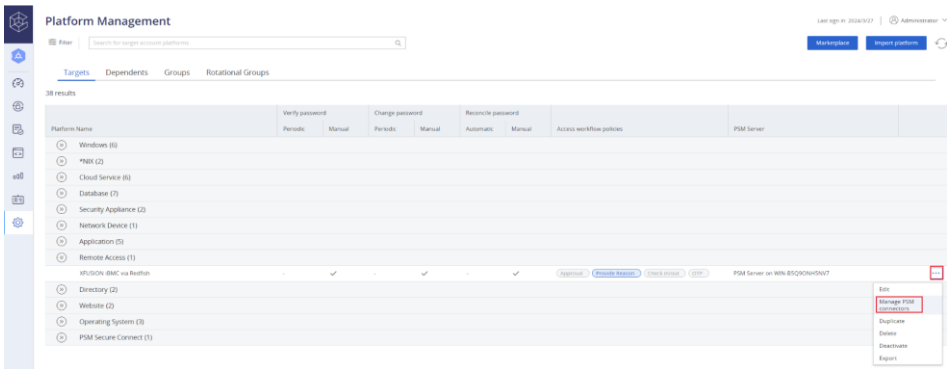


Step 4 Click  to the left of **Remote Access** to unfold the **Remote Access** list.

Click  in the right of the **XFUSION iBMC via Redfish** row and choose **Manage PSM Connectors**.

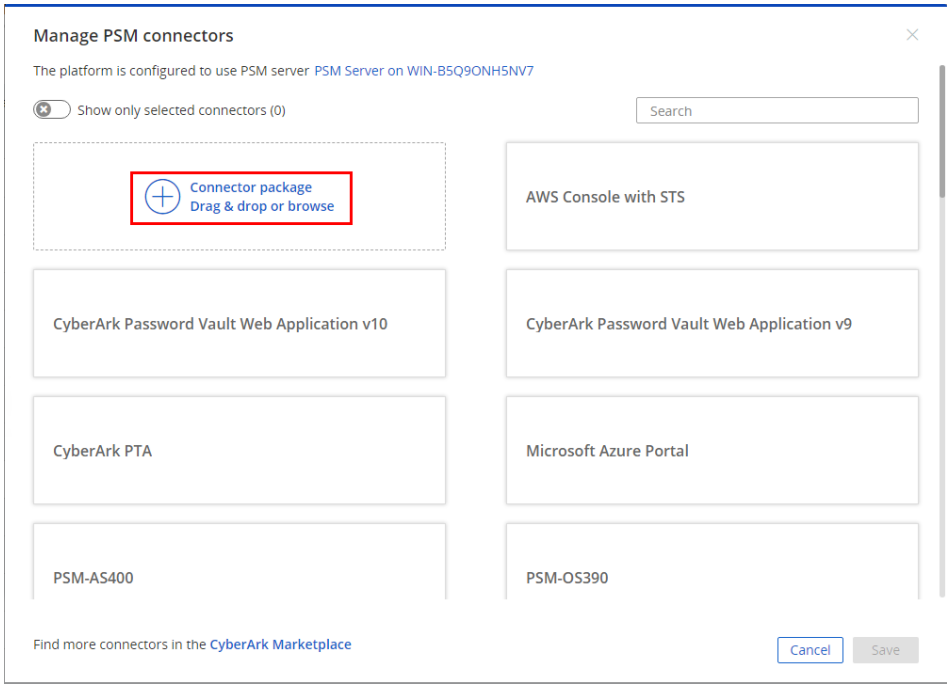
The **Manage PSM connectors** page is displayed.

Figure 2-8 Remote Access list



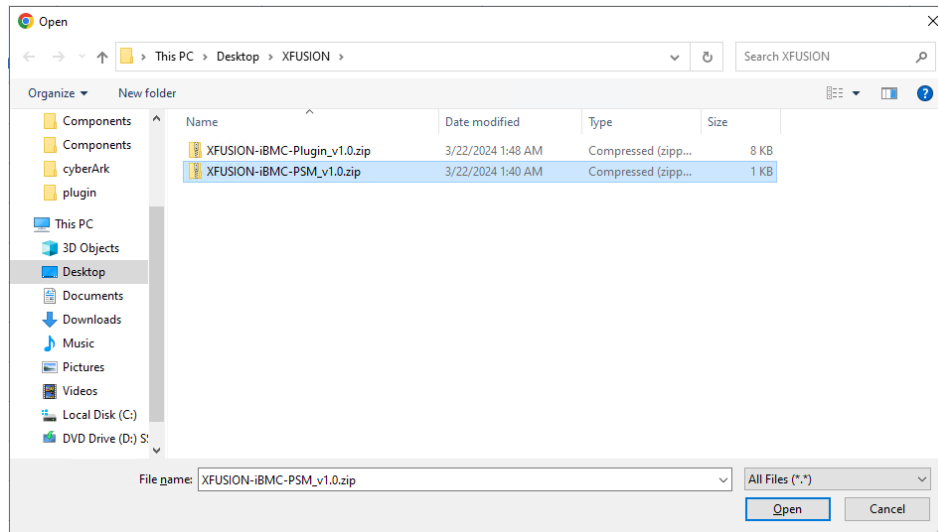
Step 5 On the **Manage PSM connectors** page, click **Connector package Drag & drop or browse**.
The **Open** dialog box is displayed.

Figure 2-9 Manage PSM connectors page



Step 6 In the displayed dialog box, select the PSM plug-in package to be imported.

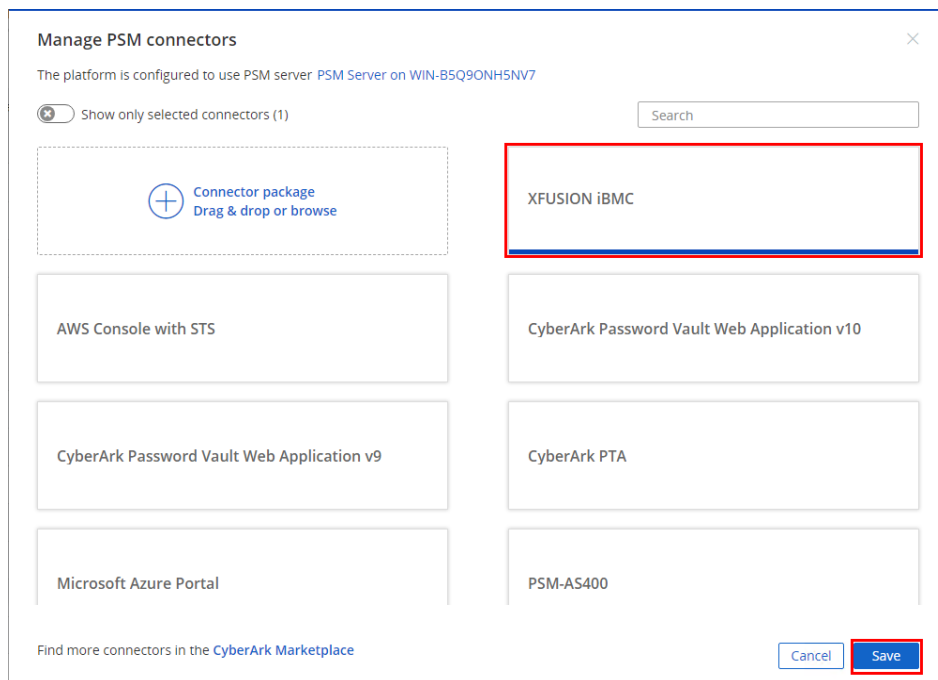
Figure 2-10 Open dialog box



Step 7 After the import succeeds, **XFUSION iBMC connector** is displayed on the **Manage PSM connectors** page.

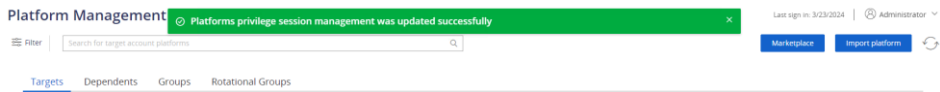
Click **Save** in the lower right corner of the page.

Figure 2-11 Manage PSM connectors page



Step 8 After the connector is successfully imported, the message "Platforms privilege session management was updated successfully" is displayed on the top of the page.

Figure 2-12 Prompt message



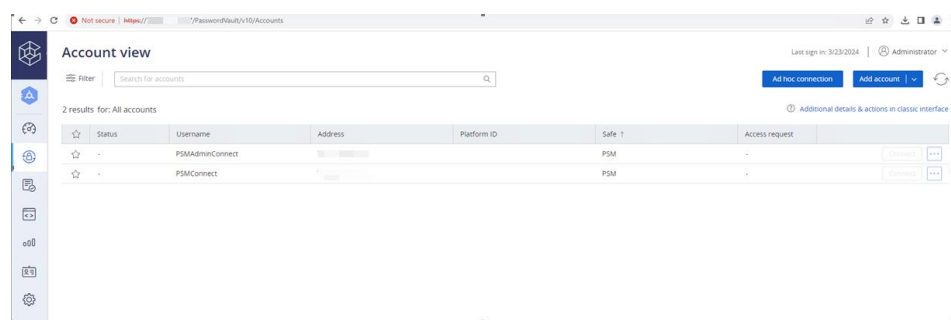
----End

3 Adding an Account

Step 1 Open a browser, and enter **https://<PVWA_Server_IP>/PasswordVault** in the address box and press **Enter**.

Step 2 Enter your login information to access the CyberArk management page.

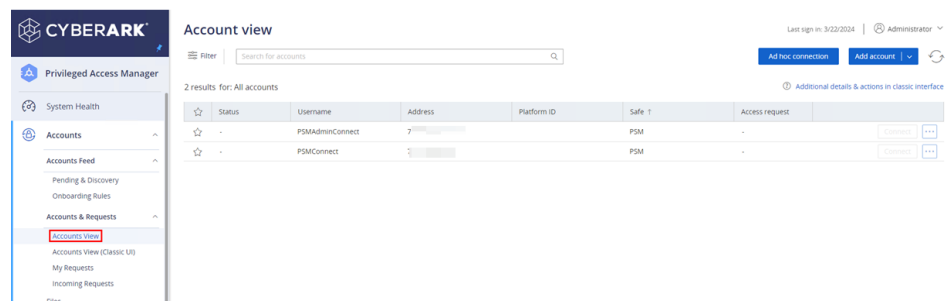
Figure 3-1 Management page



Step 3 In navigation pane on the left, choose **Accounts > Accounts & Requests > Accounts View**.

The **Account view** page is displayed.

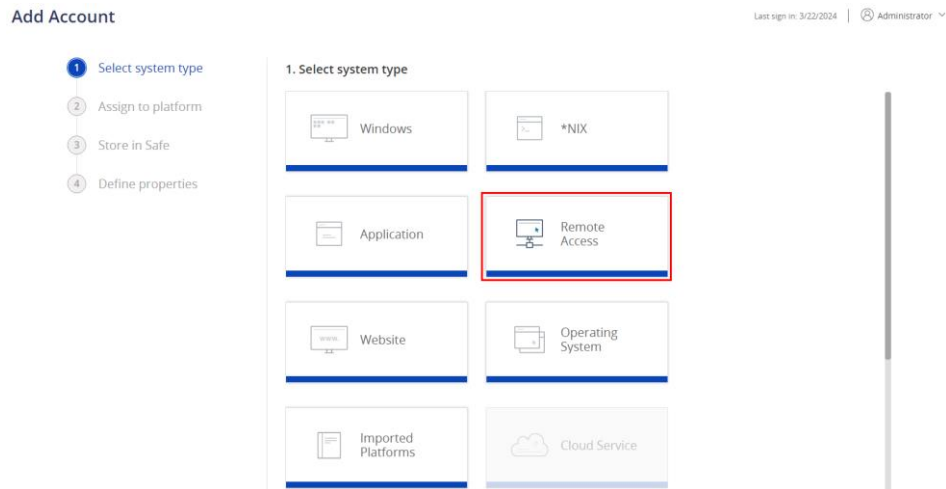
Figure 3-2 Account view page



Step 4 Click **Add account** in the upper right corner of the page.

The **Add Account** page is displayed.

Figure 3-3 Adding an account



Step 5 On the **Select system type** tab page, select **Remote Access**.

The **Assign to Platform** tab page is displayed.

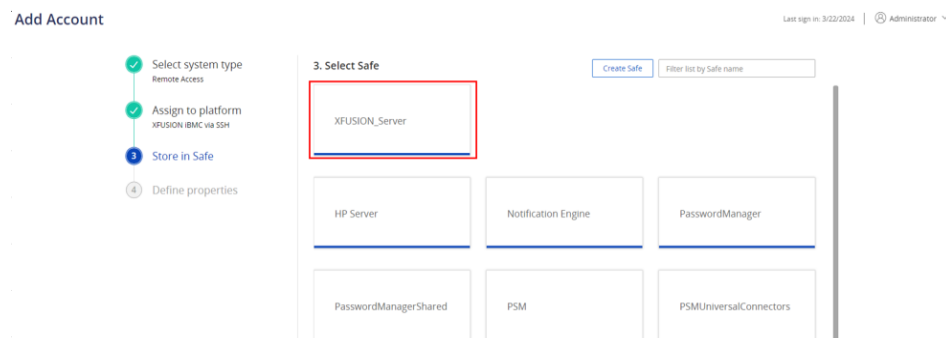
Step 6 Select **XFUSION iBMC via Redfish**.

The **Store in Safe** tab page is displayed.

Step 7 On the current tab page, select an existing safe or create a safe.

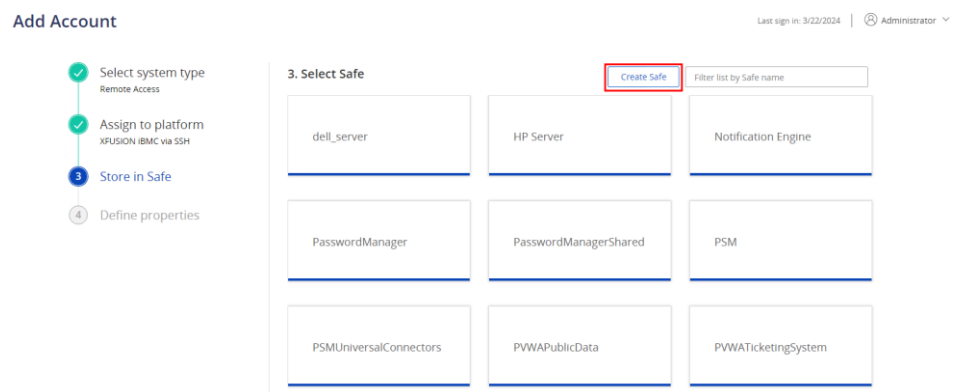
- Select an existing safe to save and manage the newly added account.

Figure 3-4 Selecting an existing safe



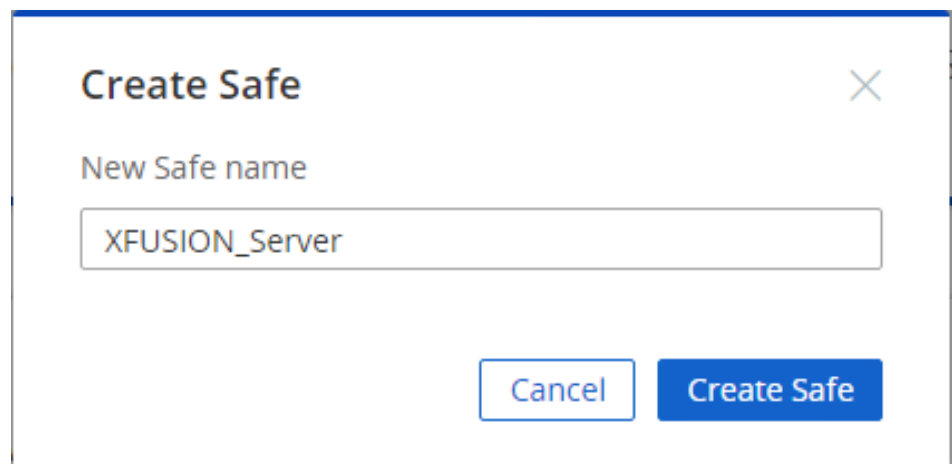
- Create a new safe to save and manage the newly added accounts.
 - a. Click **Create Safe**.

Figure 3-5 Creating a safe



- b. Enter the safe name, for example, **XFUSION_Server**.

Figure 3-6 Entering the safe name



Step 8 On the **Define properties** tab page, enter information about the created account.

The parameters are described as follows:

- **Address:** Enter the iBMC management IP address, for example, **70.XXX.XX.148**.
- **Username:** Enter the user name of the iBMC account, for example, **Administrator**.
- **Password:** Enter the password of the iBMC account.
- **Confirm Password:** Enter the password of the iBMC account again.
- **Port:** The default value is **443**. If there are different users, you can fill in the information based on the actual situation.

Figure 3-7 Defining account properties

Add Account

Last sign in: 3/22/2024 | Administrator

✓ Select system type
Remote Access

✓ Assign to platform
XFUSION BMC via SSH

✓ Store in Safe
XFUSION_Server

4 Define properties

4. Define account properties

Primary properties

Address

Username

Password (optional)

Confirm password

☐ Customize account name ⓘ

Additional properties

Port (optional)

Account management

☒ Allow automatic password management

Step 9 Click Add.

After the account is successfully added, the message "The account was added successfully" is displayed on the top of the page.

Figure 3-8 Prompt message

Account view

The account was added successfully

Last sign in: 3/22/2024 | Administrator

Ad hoc connectionAdd account

3 results for: All accounts ⓘ Additional details & actions in classic interface

Status	Username	Address	Platform ID	Safe 1	Access request	
-	PSMAdminConnect			PSM	-	Connect
-	PSMConnect			PSM	-	Connect
⚡	Administrator		XFUSIONBMC	XFUSION_Server	-	Connect 1

----End

4 Updating the Plug-ins

Data preparations

Log in to the [FusionPlugin software download page](#) to download the latest plug-in software packages, which are named **XFUSION-iBMC-Plugin_v*.zip** and **XFUSION-iBMC-PSM_v*.zip**.

[4.1 Updating the Platform \(CPM Plug-in\)](#)

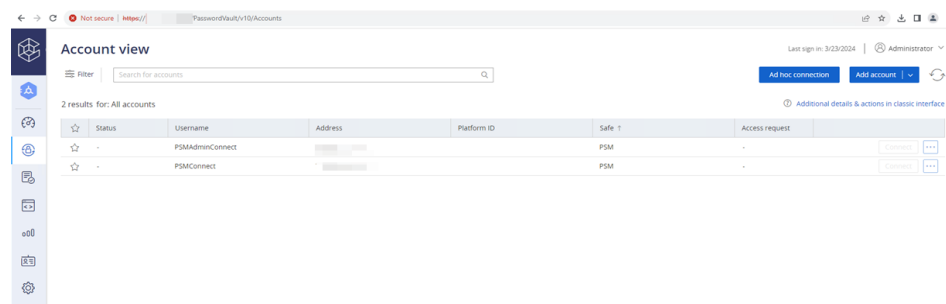
[4.2 Updating the Connector \(PSM Plug-in\)](#)

4.1 Updating the Platform (CPM Plug-in)

Step 1 Open a browser, and enter **https://<PVWA_Server_IP>/PasswordVault** in the address box and press **Enter**.

Step 2 Enter your login information to access the CyberArk management page.

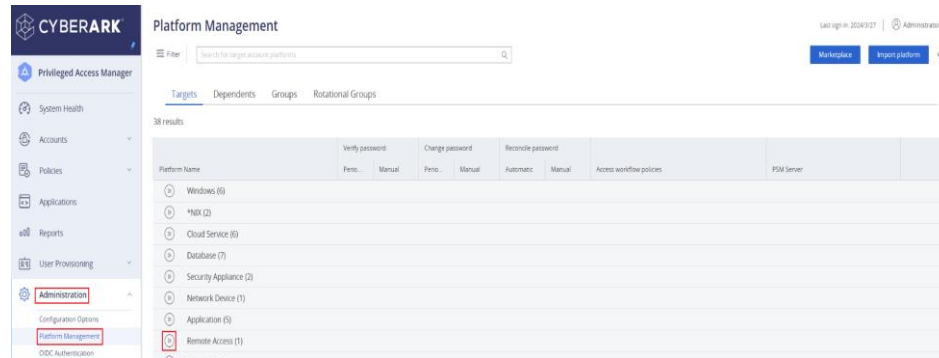
Figure 4-1 Management page



Step 3 Click  in the lower left corner and choose **Administration > Platform Management**.

The **Platform Management** page is displayed.

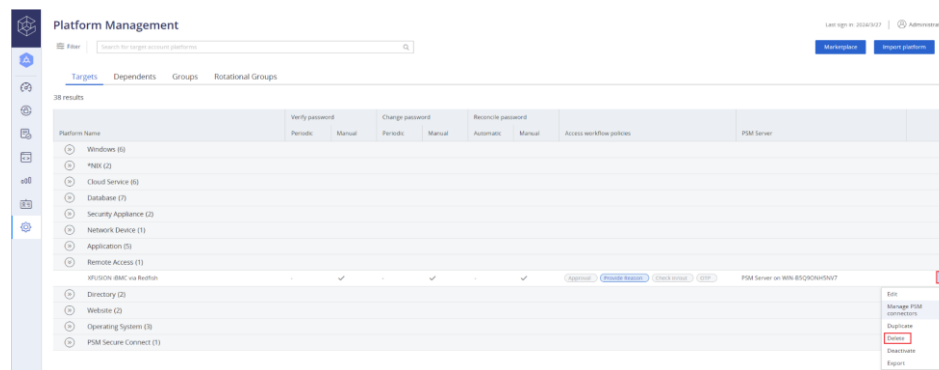
Figure 4-2 Platform Management page



Step 4 Click  to the left of **Remote Access** to unfold the **Remote Access** list.

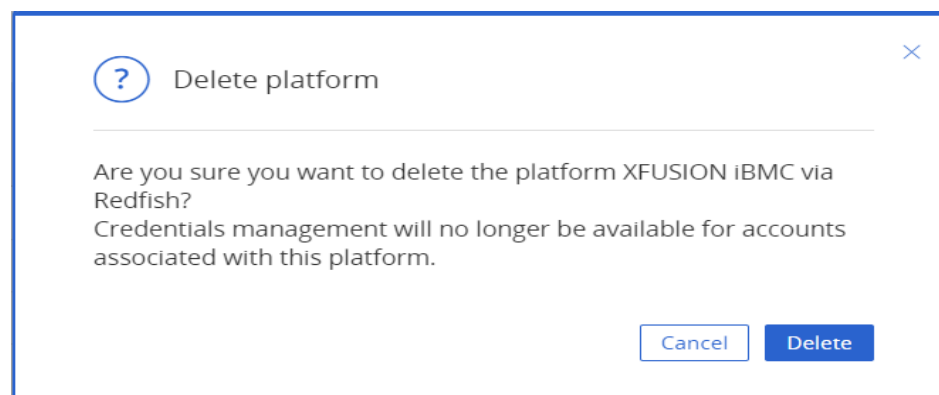
Click  in the right of the **XFUSION iBMC via Redfish** row and choose **Delete**.

Figure 4-3 Remote Access list



The **Delete platform** dialog box is displayed.

Figure 4-4 Delete platform dialog box



Step 5 Click **Delete**.

After the deletion succeeds, the message "Platform deleted successfully" is displayed on the top of the page.

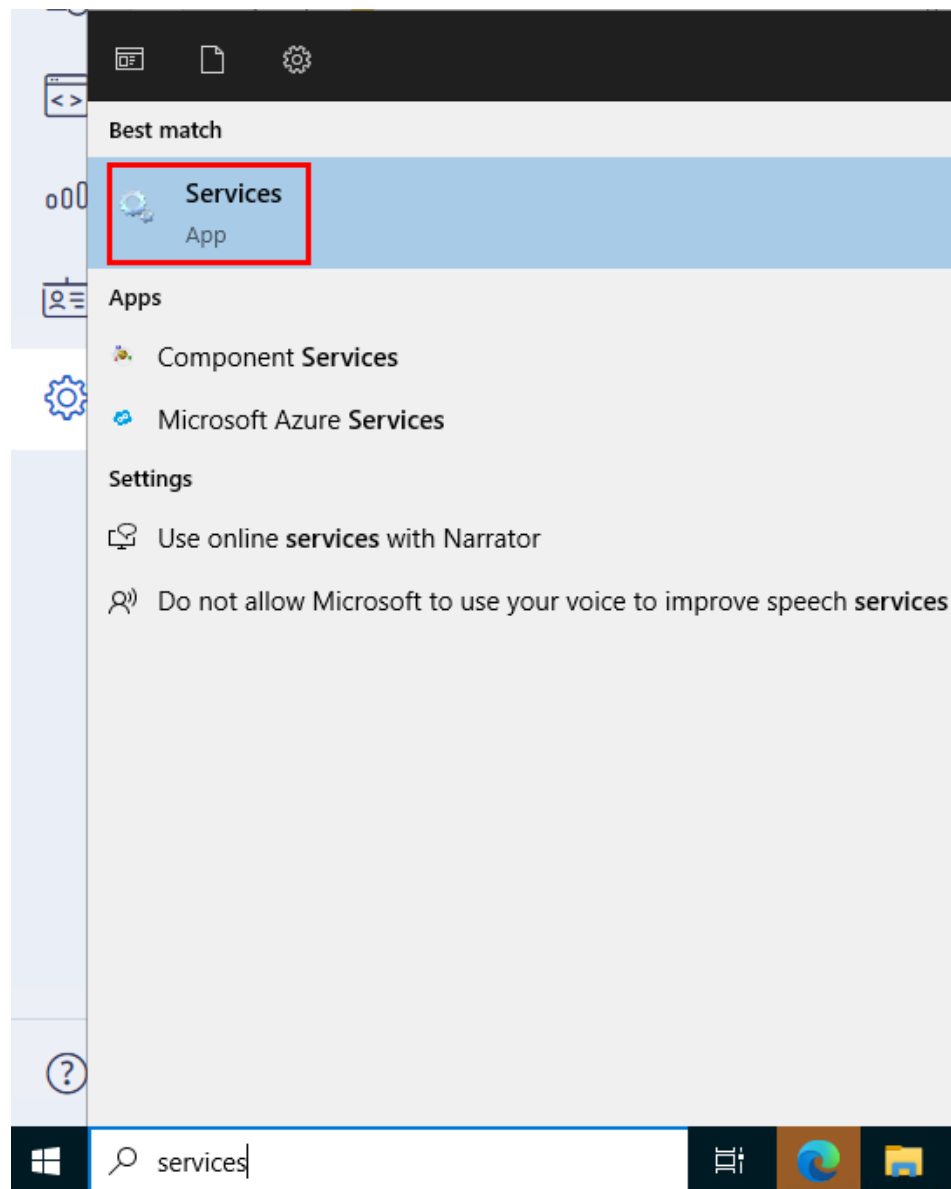
Figure 4-5 Prompt message



Step 6 Install the plug-in of a later version. For details, see 2.2.1 Importing the Platform (CPM Plug-in).

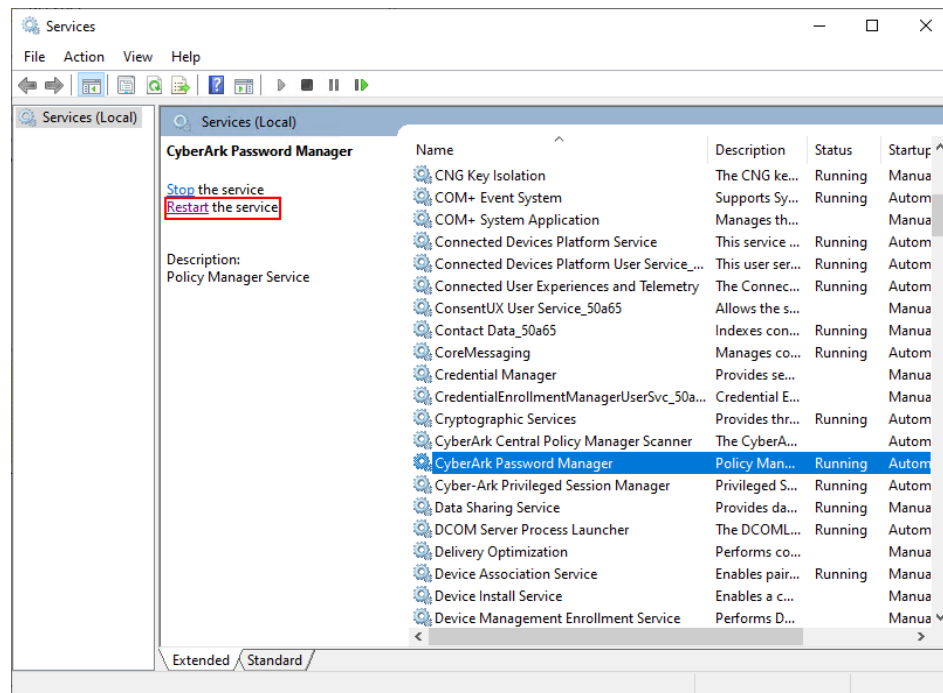
Step 7 Open **Services** on Windows.

Figure 4-6 Services



Step 8 Restart the **CyberArk Password Manager** service.

Figure 4-7 Restarting the service



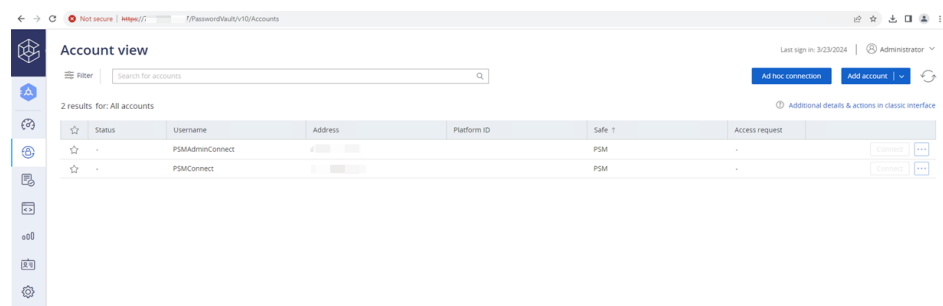
----End

4.2 Updating the Connector (PSM Plug-in)

Step 1 Open a browser, and enter **https://<PVWA_Server_IP>/PasswordVault** in the address box and press **Enter**.

Step 2 Enter your login information to access the CyberArk management page.

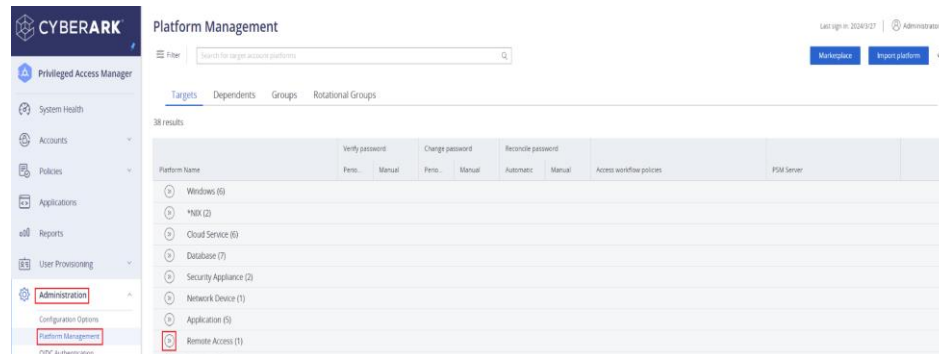
Figure 4-8 Management page



Step 3 Click  in the lower left corner and choose **Administration > Platform Management**.

The **Platform Management** page is displayed.

Figure 4-9 Platform Management page

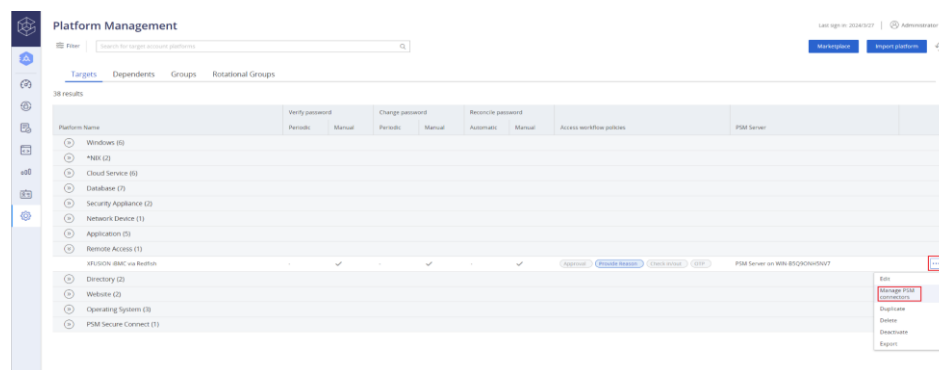


Step 4 Click  to the left of **Remote Access** on the current page to unfold the list.

Click  in the right of the **XFUSION iBMC via Redfish** row and choose **Manage PSM Connectors**.

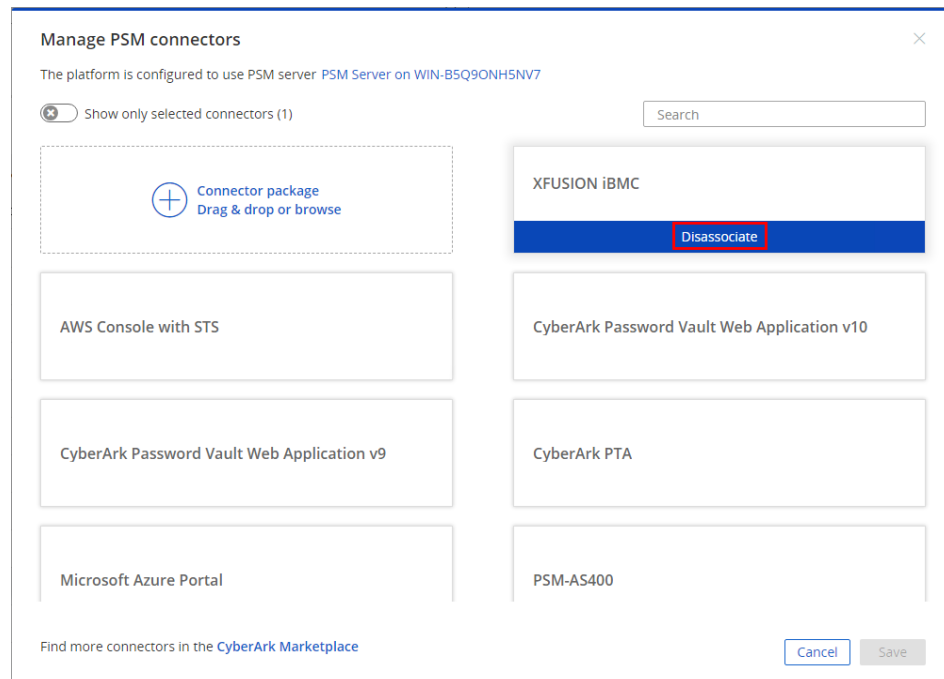
The **Manage PSM connectors** page is displayed.

Figure 4-10 Remote Access list



Step 5 Move the cursor over **XFUSION iBMC** and click **Disassociate**.

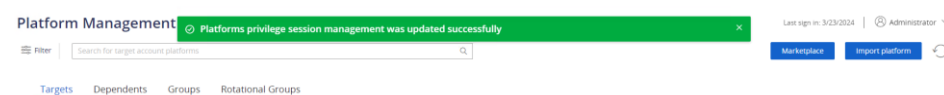
Figure 4-11 Disassociating the connector



Step 6 Click **Save**.

The message "Platform privilege session management was updated successfully" is displayed at the top of the page, indicating that the connector is disassociated successfully.

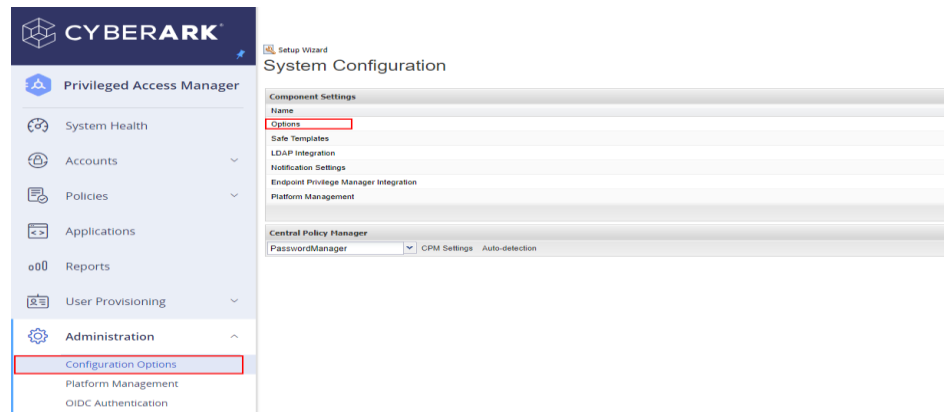
Figure 4-12 Prompt message



Step 7 Click in the lower left corner, and choose **Administration > Configuration Options**.

The **System Configuration** page is displayed.

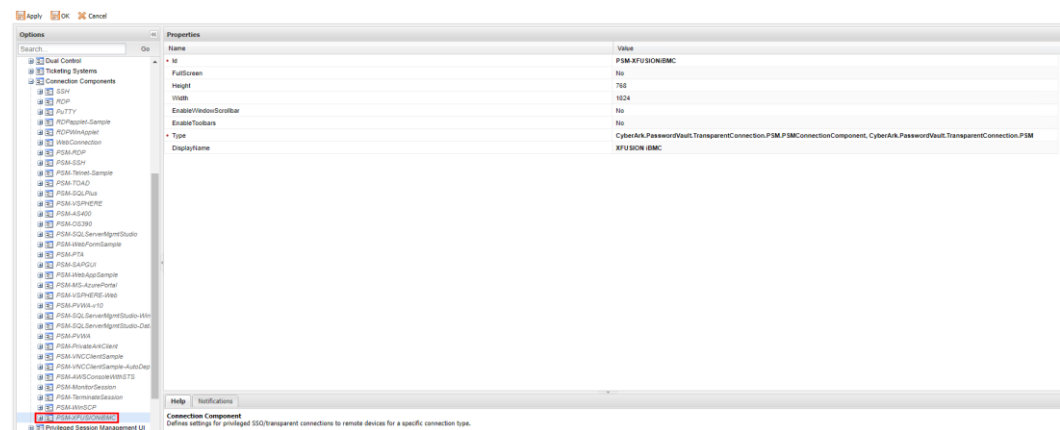
Figure 4-13 System Configuration page



Step 8 Click **Options** to display the **Options** page.

Step 9 In the navigation pane on the left, click  to the left of **Connection Components** to unfold the list.

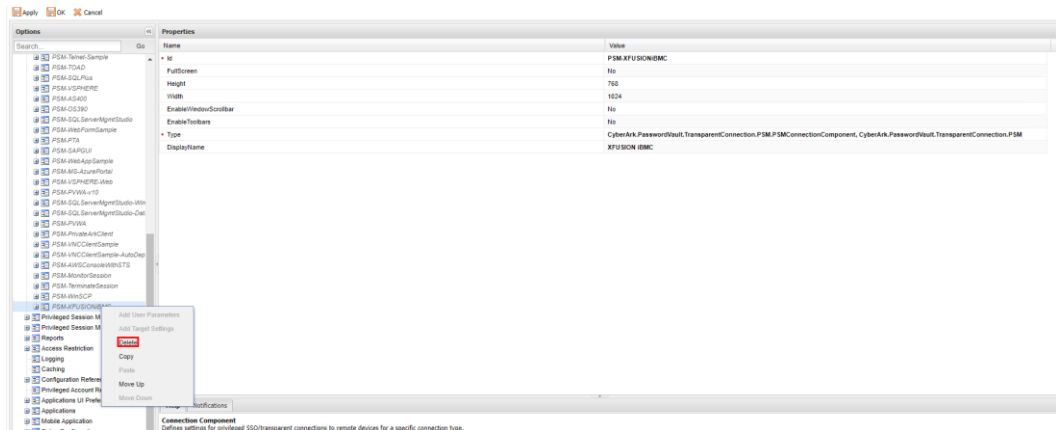
Figure 4-14 Connection Components list



Step 10 Right-click the **PSM-XFUSIONiBMC** connector in the list.

The shortcut menu is displayed.

Figure 4-15 Shortcut menu

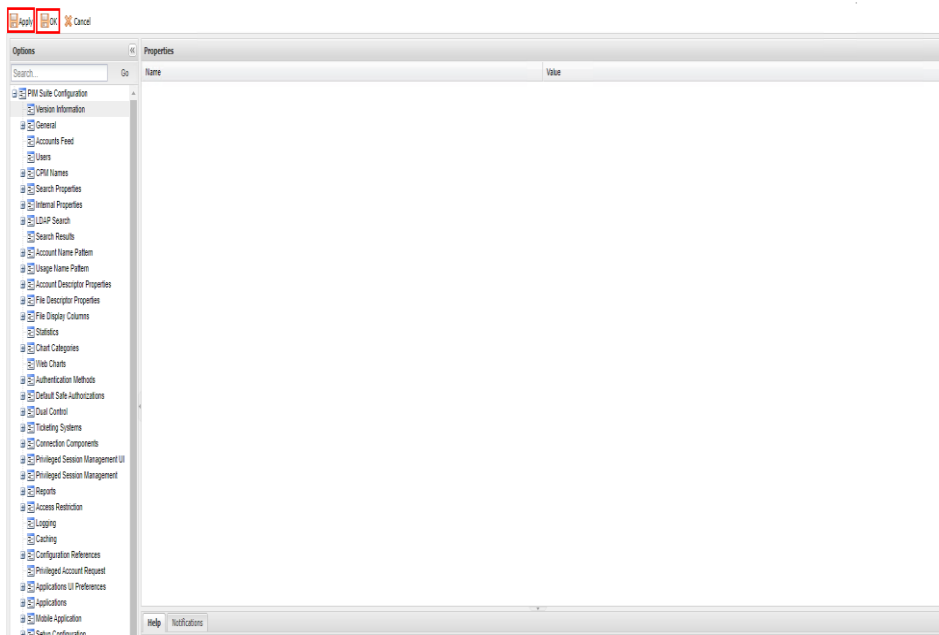


Step 11 Click **Delete**.

Step 12 Click **Apply** and then **Save** in the upper left corner of the page.

The PSM-XFUSIONiBMC connector is deleted.

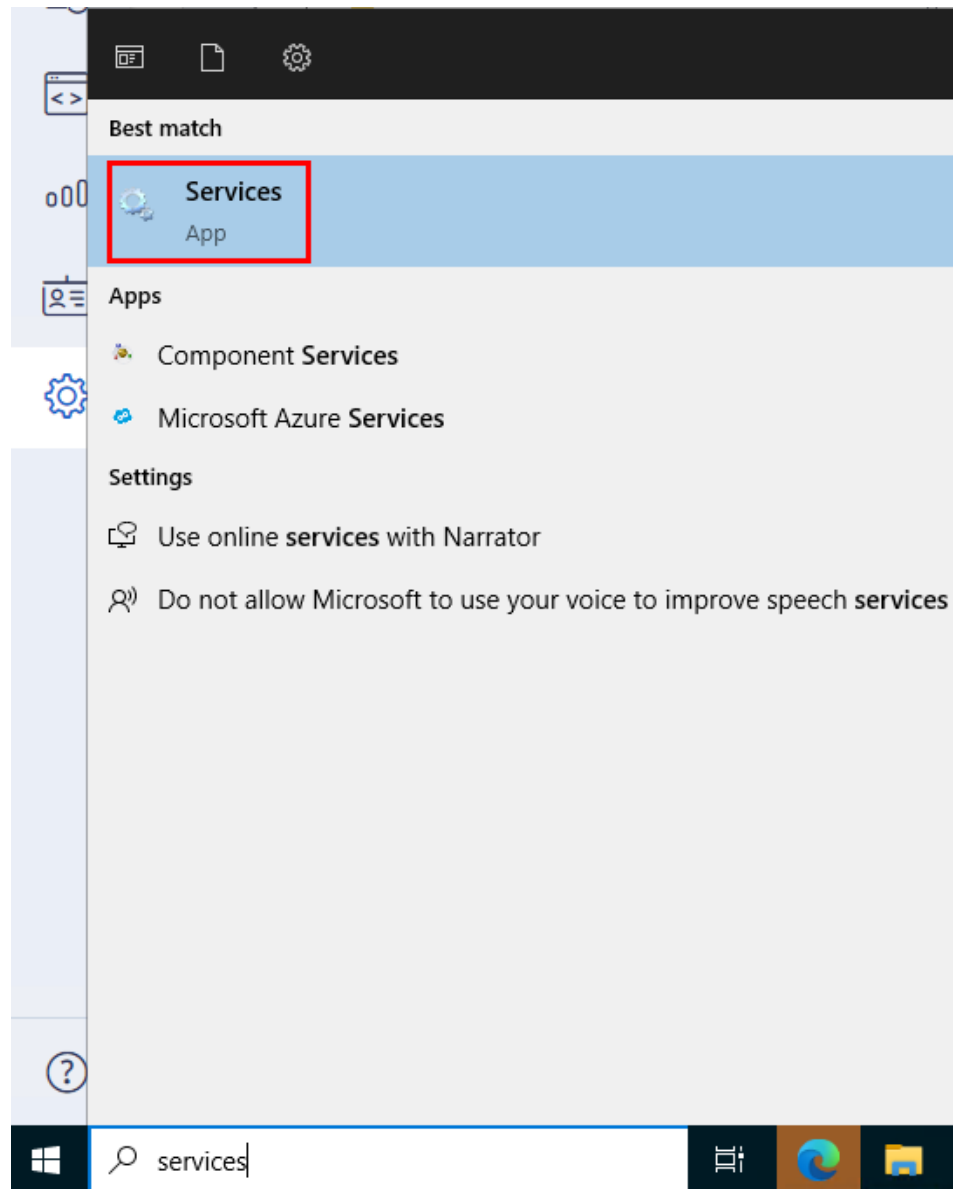
Figure 4-16 Saving settings



Step 13 Install the PSM connector of a later version. For details, see 2.2.2 Importing the Connector (PSM Plug-in).

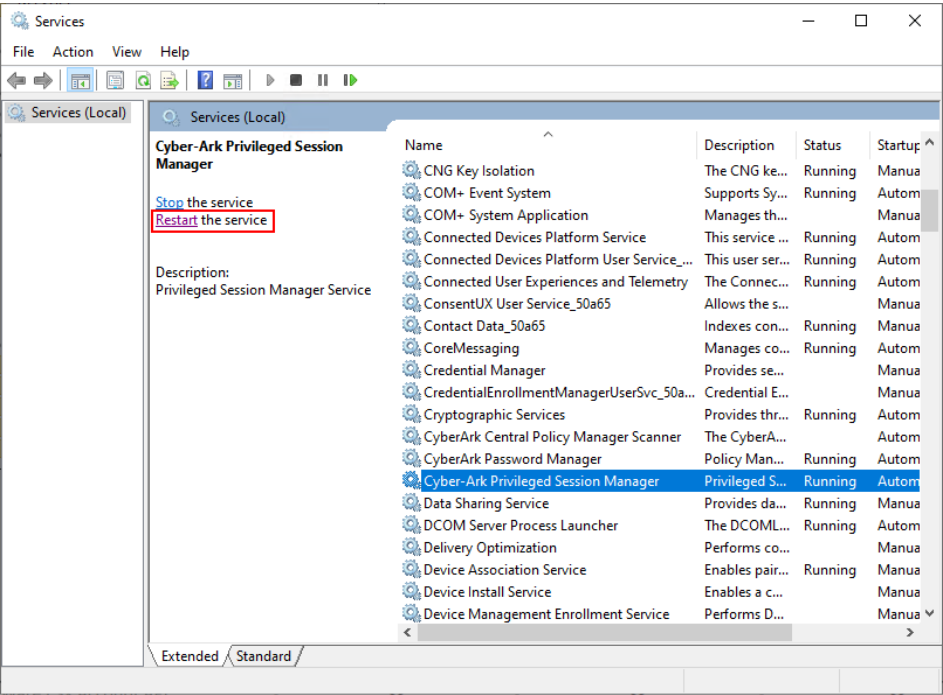
Step 14 Open **Services** on Windows.

Figure 4-17 Services



Step 15 Restart the CyberArk Privileged Session Manager service.

Figure 4-18 Restarting the service



----End

A Obtaining Technical Support

xFusion provides comprehensive technical support and services. To obtain assistance, contact technical support as follows:

- Contact Global Technical Assistance Center by phone or email. For the phone number and email address, see [Global Service Hotline](#).
- Contact technical support personnel at your local xFusion branch office.