



PAM Administration

Reports



Agenda

By the end of this lesson, you will be able to:

- Describe the different types of reports that are available
- Describe the permissions required to run different reports
- Generate various reports using the **PVWA** and **PrivateArk Client**
- Generate reports using the **Export Vault Data Utility**



Two Types of Reports

Reports in CyberArk can be divided into two broad categories:

- PrivateArk Reports
- PVWA Reports

PrivateArk Reports

Reports that would be of interest to Vault Admins

- License capacity of the system
- Lists of Users
- Active/Non-active Users
- Safes List
- Active/Non-active Safes

PVWA Reports

Reports that would be of interest to Auditors

- Privileged Accounts Inventory
- Applications Inventory
- Privileged Accounts Compliance Status
- Entitlement Report
- Activity Log

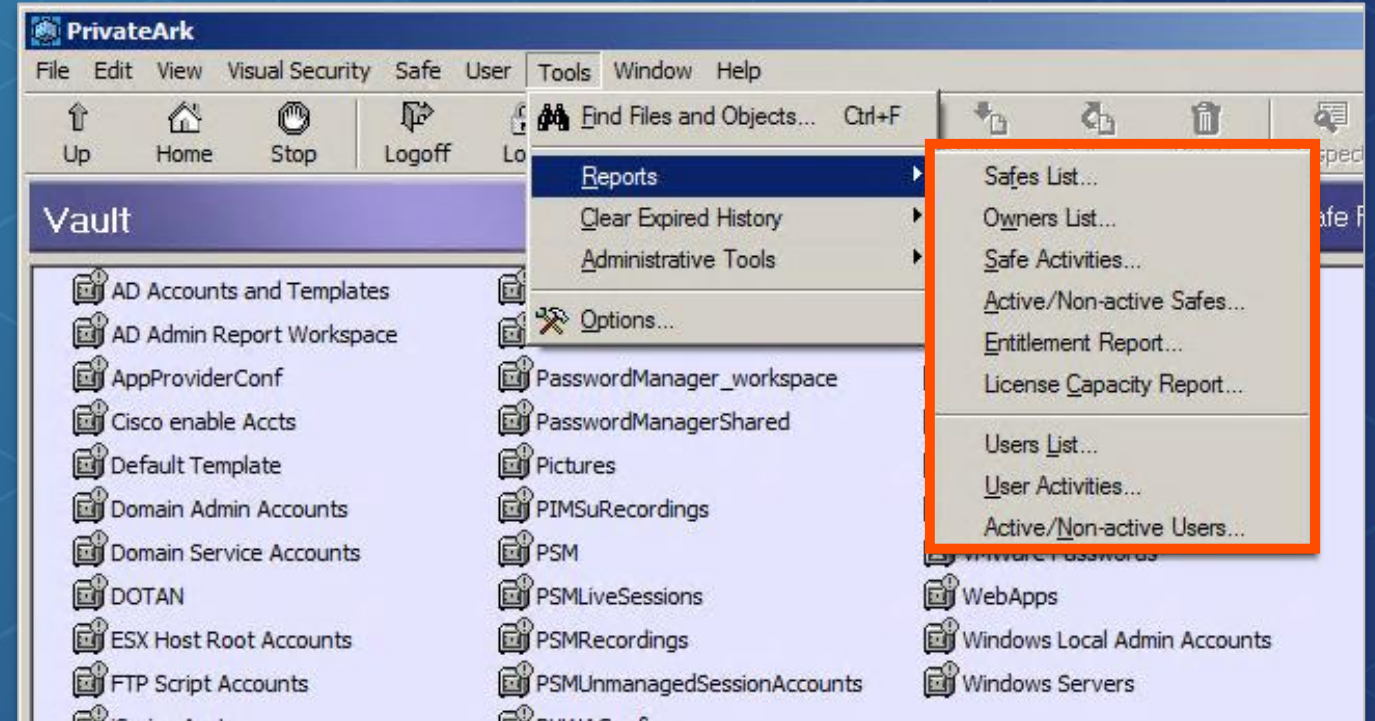


PrivateArk Client Reports



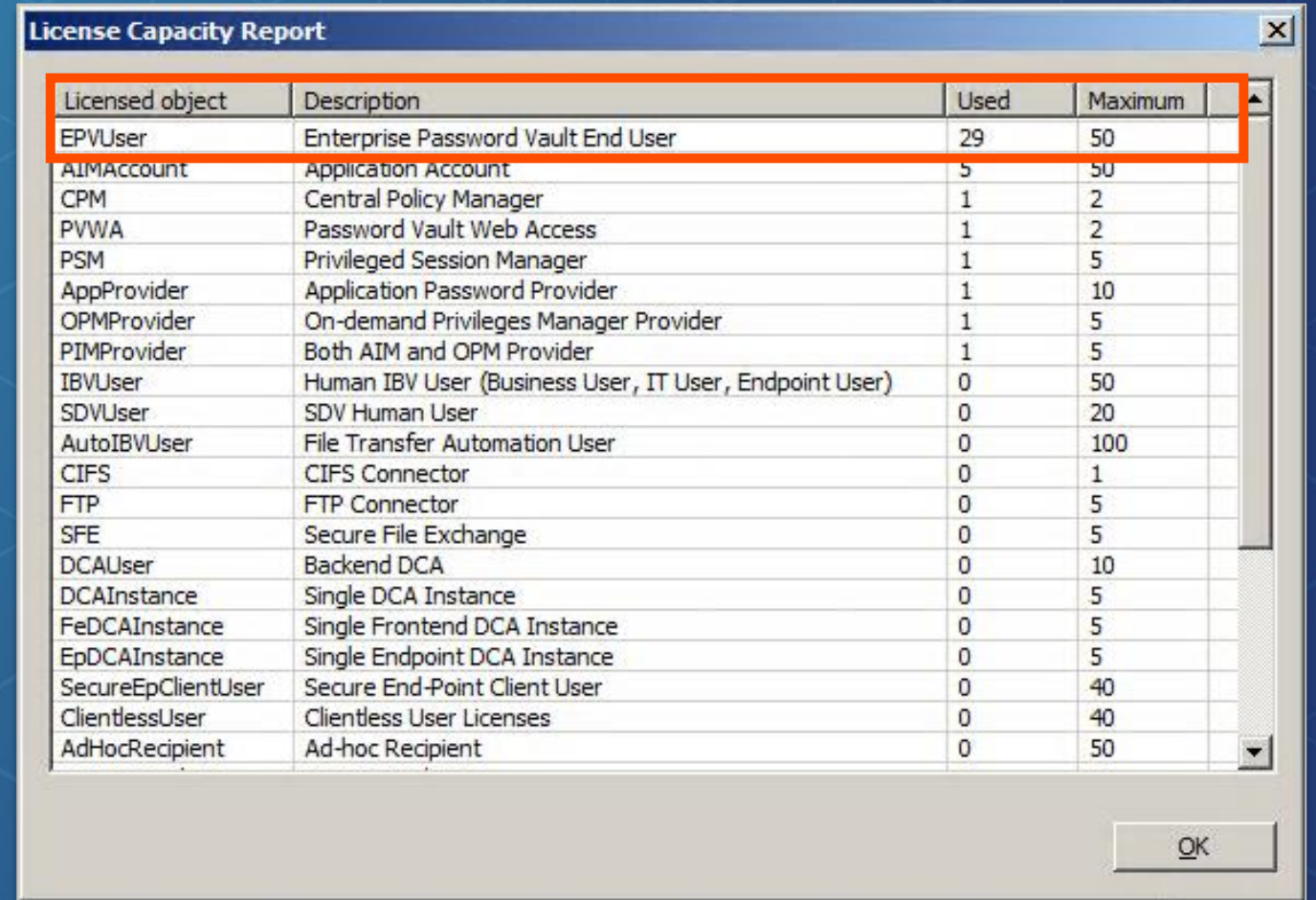
Generating PrivateArk Reports

Access **Reports** under the **Tools** menu in the PrivateArk Client.



License Capacity Report

Displays the licensed user types and objects in the Vault, the maximum number of licenses for each, and the number of licenses used.



| Licensed object | Description | Used | Maximum |
|--------------------|--|------|---------|
| EPVUser | Enterprise Password Vault End User | 29 | 50 |
| AIMAccount | Application Account | 5 | 50 |
| CPM | Central Policy Manager | 1 | 2 |
| PVWA | Password Vault Web Access | 1 | 2 |
| PSM | Privileged Session Manager | 1 | 5 |
| AppProvider | Application Password Provider | 1 | 10 |
| OPMProvider | On-demand Privileges Manager Provider | 1 | 5 |
| PIMProvider | Both AIM and OPM Provider | 1 | 5 |
| IBVUser | Human IBV User (Business User, IT User, Endpoint User) | 0 | 50 |
| SDVUser | SDV Human User | 0 | 20 |
| AutoIBVUser | File Transfer Automation User | 0 | 100 |
| CIFS | CIFS Connector | 0 | 1 |
| FTP | FTP Connector | 0 | 5 |
| SFE | Secure File Exchange | 0 | 5 |
| DCAUser | Backend DCA | 0 | 10 |
| DCAInstance | Single DCA Instance | 0 | 5 |
| FeDCAInstance | Single Frontend DCA Instance | 0 | 5 |
| EpDCAInstance | Single Endpoint DCA Instance | 0 | 5 |
| SecureEpClientUser | Secure End-Point Client User | 0 | 40 |
| ClientlessUser | Clientless User Licenses | 0 | 40 |
| AdHocRecipient | Ad-hoc Recipient | 0 | 50 |



User List

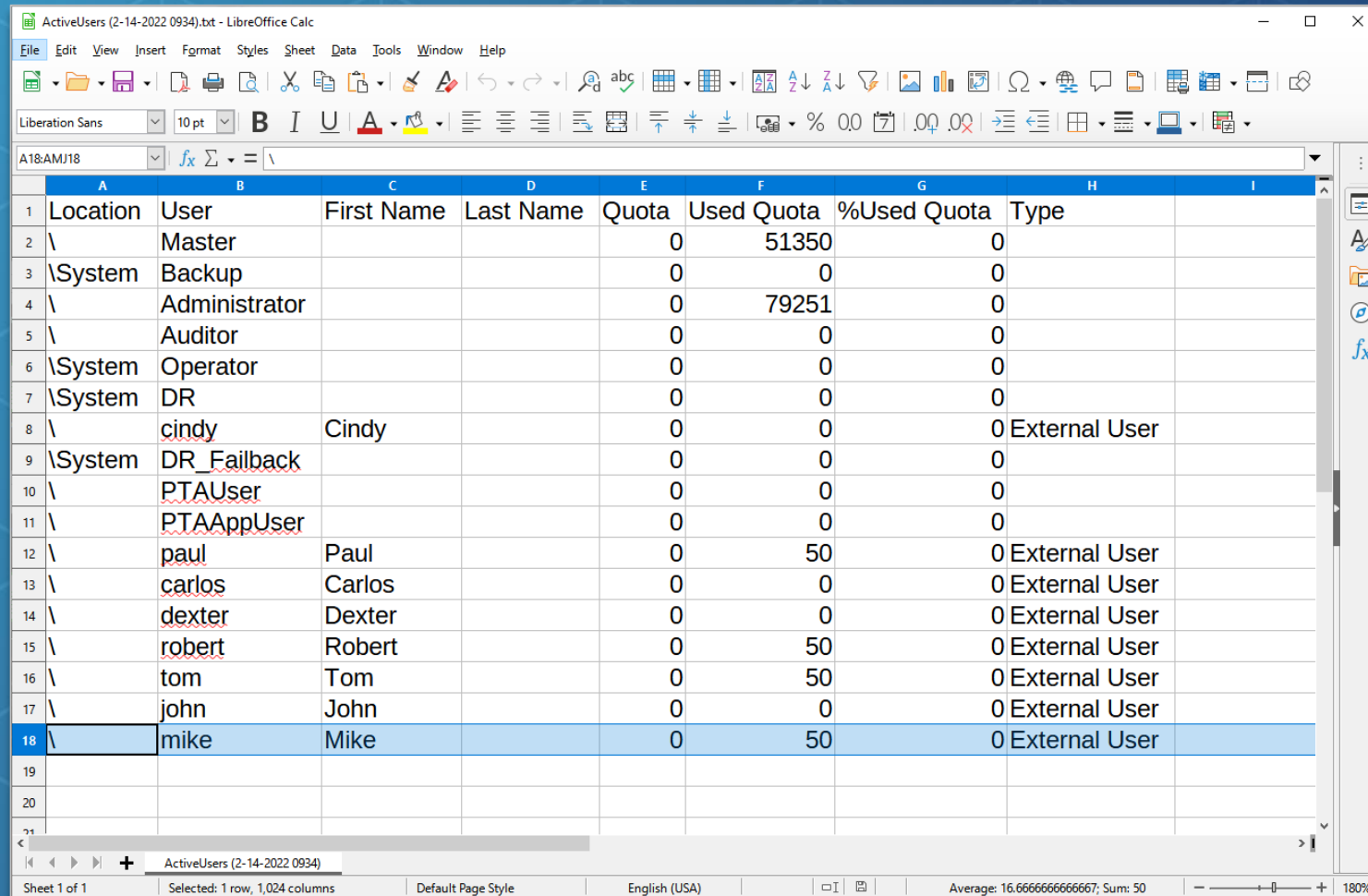
A list of all users (including disabled) according to location.

| | A | B | C | D | E | F | G | H | I | J | K |
|----|---------|------------------------------|--------|---|----------------|------------------------|---|-----|---|-----|-----|
| 25 | \ | PSMP_ADB_psm-ssh-gw.acme.cor | | | PSMPADBridge | 2/14/2022 8:24:42 AM | | No | | No | No |
| 26 | \ | PSMP_ADB_AppUsers | | | | | | No | | No | No |
| 27 | \ | CyberArk Vault Admins | | | | | | No | | No | No |
| 28 | \ | CyberArk Safe Managers | | | | | | No | | No | No |
| 29 | \ | CyberArk Auditors | | | | | | No | | No | No |
| 30 | \ | cindy | Cindy | | EPVUser | 2/10/2022 9:37:04 AM | | No | | No | No |
| 31 | \ | PTAUser | | | EPVUser | 2/14/2022 9:28:00 AM | | No | | No | No |
| 32 | \ | PTAAppUser | | | PTA | 2/14/2022 8:50:40 AM | | No | | No | No |
| 33 | \ | paul | Paul | | EPVUser | 2/9/2022 3:07:00 PM | | Yes | | Yes | No |
| 34 | \ | PSMApp_COMPONENTS | | | PSM | 2/14/2022 8:25:13 AM | | No | | Yes | No |
| 35 | \ | PSMGw_COMPONENTS | | | PSM | 2/14/2022 8:24:37 AM | | No | | No | No |
| 36 | \ | carlos | Carlos | | EPVUser | 2/8/2022 4:22:54 PM | | No | | No | No |
| 37 | \ | dexter | Dexter | | EPVUser | 11/7/2021 11:45:20 AM | | No | | No | No |
| 38 | \ | LinuxAdmins | | | | | | No | | No | No |
| 39 | \ | robert | Robert | | EPVUser | 1/19/2022 1:40:56 PM | | Yes | | Yes | No |
| 40 | \ | OracleAdmins | | | | | | No | | No | No |
| 41 | \ | tom | Tom | | EPVUser | 2/8/2022 1:34:16 PM | | Yes | | Yes | No |
| 42 | \ | WindowsAdmins | | | | | | No | | No | No |
| 43 | \ | ITManagers | | | | | | No | | No | No |
| 44 | \ | john | John | | EPVUser | 1/25/2022 9:12:12 AM | | No | | No | No |
| 45 | \ | mike | Mike | | EPVUser | 2/14/2022 8:50:33 AM | | Yes | | Yes | Yes |
| 46 | \System | Backup | | | Built-InAdmins | 11/19/2021 12:44:04 PM | | No | | No | No |
| 47 | \System | Operator | | | Built-InAdmins | 11/19/2021 1:23:23 PM | | No | | No | No |
| 48 | \System | DR | | | Built-InAdmins | 1/19/2022 8:42:30 AM | | No | | No | No |
| 49 | \System | Backup Users | | | | | | No | | No | No |
| 50 | \System | Operators | | | | | | No | | No | No |
| 51 | \System | DR Users | | | | | | No | | No | No |
| 52 | \System | Vault Admins | | | | | | No | | No | No |
| 53 | \System | DR_Failback | | | DR_Users | 11/22/2021 2:13:12 PM | | No | | No | No |



Active Users/Non-Active Users

Reports can be generated for **Active** or **Non-Active** users.



| | A | B | C | D | E | F | G | H | I |
|----|----------|---------------|------------|-----------|-------|------------|-------------|---------------|---|
| | Location | User | First Name | Last Name | Quota | Used Quota | %Used Quota | Type | |
| 2 | \ | Master | | | 0 | 51350 | 0 | | |
| 3 | \System | Backup | | | 0 | 0 | 0 | | |
| 4 | \ | Administrator | | | 0 | 79251 | 0 | | |
| 5 | \ | Auditor | | | 0 | 0 | 0 | | |
| 6 | \System | Operator | | | 0 | 0 | 0 | | |
| 7 | \System | DR | | | 0 | 0 | 0 | | |
| 8 | \ | cindy | Cindy | | 0 | 0 | 0 | External User | |
| 9 | \System | DR_Failback | | | 0 | 0 | 0 | | |
| 10 | \ | PTAUser | | | 0 | 0 | 0 | | |
| 11 | \ | PTAAppUser | | | 0 | 0 | 0 | | |
| 12 | \ | paul | Paul | | 0 | 50 | 0 | External User | |
| 13 | \ | carlos | Carlos | | 0 | 0 | 0 | External User | |
| 14 | \ | dexter | Dexter | | 0 | 0 | 0 | External User | |
| 15 | \ | robert | Robert | | 0 | 50 | 0 | External User | |
| 16 | \ | tom | Tom | | 0 | 50 | 0 | External User | |
| 17 | \ | john | John | | 0 | 0 | 0 | External User | |
| 18 | \ | mike | Mike | | 0 | 50 | 0 | External User | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |
| 21 | | | | | | | | | |



Safes List

A list of all Safes and their properties

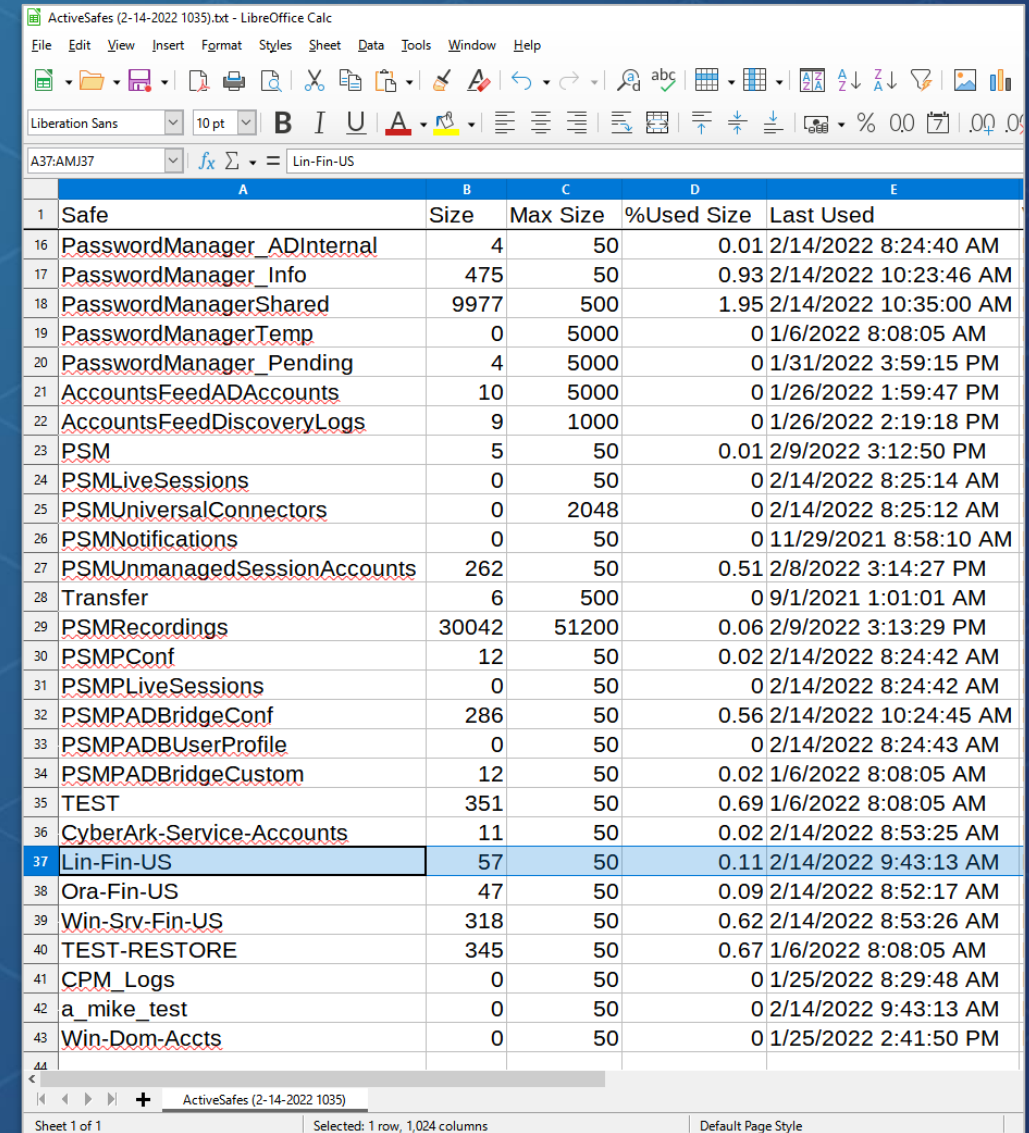
SafesList (2-14-2022 1017).bit - LibreOffice Calc

FileEditViewInsertFormatStylesSheetDataToolsWindowHelp



Active Safes/ Non-Active Safes

A list of **Safes** that either have or have not had activity over a specified time period



| | A | B | C | D | E |
|----|-----------------------------|-------|----------|-------|-----------------------|
| 1 | Safe | Size | Max Size | %Used | Size Last Used |
| 16 | PasswordManager_ADInternal | 4 | 50 | 0.01 | 2/14/2022 8:24:40 AM |
| 17 | PasswordManager_Info | 475 | 50 | 0.93 | 2/14/2022 10:23:46 AM |
| 18 | PasswordManagerShared | 9977 | 500 | 1.95 | 2/14/2022 10:35:00 AM |
| 19 | PasswordManagerTemp | 0 | 5000 | 0 | 1/6/2022 8:08:05 AM |
| 20 | PasswordManager_Pending | 4 | 5000 | 0 | 1/31/2022 3:59:15 PM |
| 21 | AccountsFeedADAccounts | 10 | 5000 | 0 | 1/26/2022 1:59:47 PM |
| 22 | AccountsFeedDiscoveryLogs | 9 | 1000 | 0 | 1/26/2022 2:19:18 PM |
| 23 | PSM | 5 | 50 | 0.01 | 2/9/2022 3:12:50 PM |
| 24 | PSMLiveSessions | 0 | 50 | 0 | 2/14/2022 8:25:14 AM |
| 25 | PSMUniversalConnectors | 0 | 2048 | 0 | 2/14/2022 8:25:12 AM |
| 26 | PSMNotifications | 0 | 50 | 0 | 11/29/2021 8:58:10 AM |
| 27 | PSMUnmanagedSessionAccounts | 262 | 50 | 0.51 | 2/8/2022 3:14:27 PM |
| 28 | Transfer | 6 | 500 | 0 | 9/1/2021 1:01:01 AM |
| 29 | PSMRecordings | 30042 | 51200 | 0.06 | 2/9/2022 3:13:29 PM |
| 30 | PSMPCConf | 12 | 50 | 0.02 | 2/14/2022 8:24:42 AM |
| 31 | PSMPLiveSessions | 0 | 50 | 0 | 2/14/2022 8:24:42 AM |
| 32 | PSMPADBBridgeConf | 286 | 50 | 0.56 | 2/14/2022 10:24:45 AM |
| 33 | PSMPADBUserProfile | 0 | 50 | 0 | 2/14/2022 8:24:43 AM |
| 34 | PSMPADBBridgeCustom | 12 | 50 | 0.02 | 1/6/2022 8:08:05 AM |
| 35 | TEST | 351 | 50 | 0.69 | 1/6/2022 8:08:05 AM |
| 36 | CyberArk-Service-Accounts | 11 | 50 | 0.02 | 2/14/2022 8:53:25 AM |
| 37 | Lin-Fin-US | 57 | 50 | 0.11 | 2/14/2022 9:43:13 AM |
| 38 | Ora-Fin-US | 47 | 50 | 0.09 | 2/14/2022 8:52:17 AM |
| 39 | Win-Srv-Fin-US | 318 | 50 | 0.62 | 2/14/2022 8:53:26 AM |
| 40 | TEST-RESTORE | 345 | 50 | 0.67 | 1/6/2022 8:08:05 AM |
| 41 | CPM_Logs | 0 | 50 | 0 | 1/25/2022 8:29:48 AM |
| 42 | a_mike_test | 0 | 50 | 0 | 2/14/2022 9:43:13 AM |
| 43 | Win-Dom-Accts | 0 | 50 | 0 | 1/25/2022 2:41:50 PM |

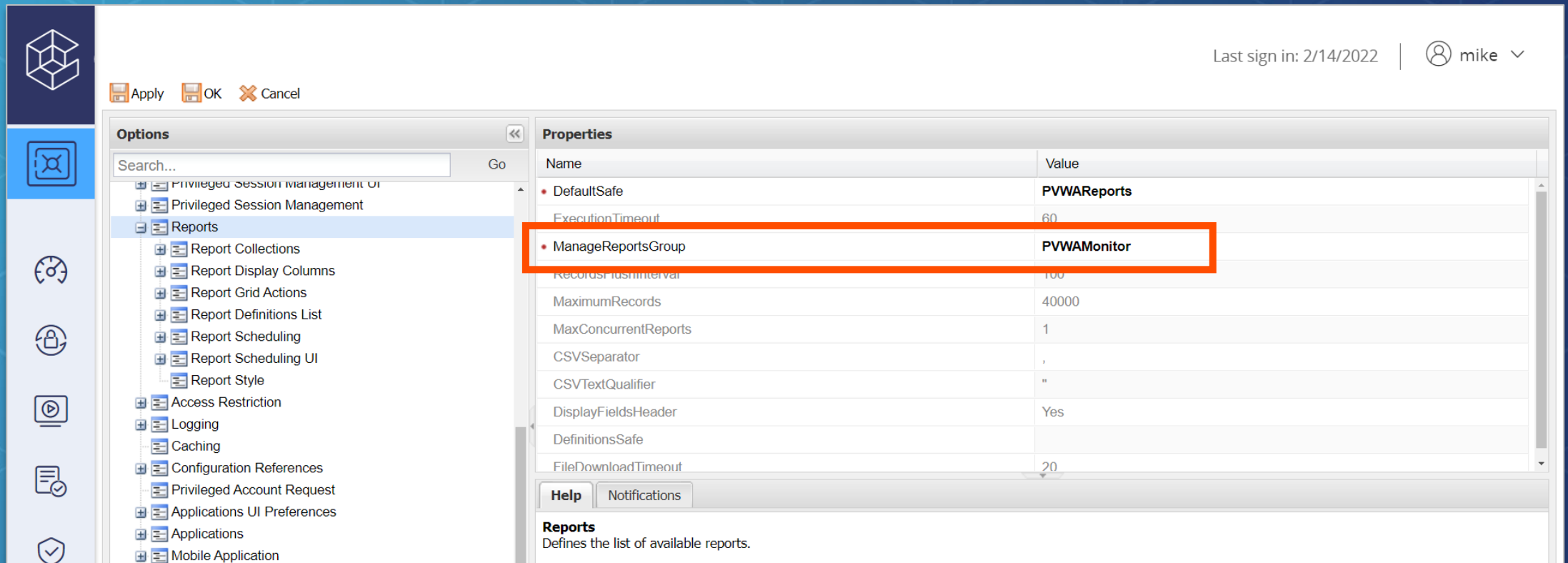


PVWA Reports



Access to Reports

- Reports can be generated by users who belong to the group specified in the ***ManageReportsGroup*** parameter, which can be found under **Administration** → **Options** → **Reports**.
- By default, this is the internal **CyberArk PVWAMonitor** group and Vault Administrators are typically members of this group.



The screenshot shows the CyberArk console interface. In the top right corner, it says "Last sign in: 2/14/2022" and "mike". Below the navigation bar, the "Options" dialog box is open. The "Reports" section is selected in the left-hand tree view. The "Properties" table on the right lists various configuration parameters. The "ManageReportsGroup" property is highlighted with a red box, showing its value as "PVWAMonitor".

| Name | Value |
|-----------------------|--------------|
| DefaultSafe | PVWARReports |
| ExecutionTimeout | 60 |
| ManageReportsGroup | PVWAMonitor |
| RecordRefreshInterval | 100 |
| MaximumRecords | 40000 |
| MaxConcurrentReports | 1 |
| CSVSeparator | , |
| CSVTextQualifier | " |
| DisplayFieldsHeader | Yes |
| DefinitionsSafe | |
| FileDownloadTimeout | 20 |

Help Notifications

Reports
Defines the list of available reports.



Generating PVWA Reports

To generate a report, go to the **Reports** tab and click on the **Generate Report** button.

The screenshot displays the CyberArk Privileged Access Security (PAS) console. The left-hand navigation pane is visible, with the 'Reports' option highlighted by an orange rectangle. The main content area shows the 'My Reports' section, which includes a 'Generate Report' button also highlighted by an orange rectangle. Below this, there is a table titled 'Generated Reports' with columns for Report, Created, Created by, Status, and Records. The table contains one entry: 'Privileged Accounts Inventory' created on '8/24/2021 8:02:59 AM' by 'mike', with a status of 'Done' and 32 records.

| Report | Created | Created by | Status | Records |
|-------------------------------|----------------------|------------|--------|---------|
| Privileged Accounts Inventory | 8/24/2021 8:02:59 AM | mike | Done | 32 |



Select the Report to Generate

Report

1
Report

2
Filter Options

3
Schedule Report

Select the report to generate:

Operational reports

- ☒ Privileged Accounts Inventory
- ☐ Applications Inventory

Audit/Compliance reports

- ☐ Privileged Accounts Compliance Status
- ☐ Entitlement
- ☐ Activity Log

Five reports divided into two categories:

- *Operational reports*
- *Audit / Compliance reports*



Generating PVWA Reports – Filtering Options

Filter Options

1 Report

2 Filter Options

3 Schedule Report

Specify filter options for Privileged Accounts Inventory report:

Report name: Privileged Accounts Inventory

General

Free search:

Safe: win

Account name:

Device type:

Platform ID:

Group:

☐ Include Service Accounts

Automatic Management Status

Activities

Each type of report has differing filtering criteria





Scheduling PVWA Reports

The screenshot shows the 'Schedule Report' interface. On the left, there is a sidebar with three steps: 1 Report, 2 Filter Options, and 3 Schedule Report. The main content area is divided into two sections: 'Report Recurrences' and 'Subscribers'. The 'Report Recurrences' section has three radio buttons: 'Generate' (selected), 'Generate and save report definitions', and 'Schedule'. The 'Subscribers' section has an 'Add' button and a table with columns 'User Name' and 'Success Notification'. The table contains one entry for 'vaultadmin01'. Below the table, there is a checkbox labeled 'Notify me if errors occur'.

Report Recurrences

- ☒ Generate
- ☐ Generate and save report definitions
- ☐ Schedule

Subscribers

| User Name | Success Notification |
|--------------|---|
| vaultadmin01 |   |

☐ Notify me if errors occur

Reports can be run immediately, saved, or scheduled to run on a regular basis

Subscribers can be added to receive notifications by email when the report is generated containing a link to the report.



Report Status

Generate Report Customize

My Reports

Generated Reports Report Definitions

| Report | Created ▾ | Created by | Status | Records | Size |
|-------------------------------|----------------------|--------------|---------|---------|------|
| Privileged Accounts Inventory | 2/4/2019 10:25:00 AM | vaultadmin01 | Pending | 0 | 0KB |

You can use the **Refresh** button to see if your report has been generated.

Page 1 of 1 Refresh Displaying Reports 1 - 1 of 1



Finished Reports

Reports can be downloaded in Excel or CSV formats.

The screenshot displays the 'My Reports' section of a web application. At the top right, it shows 'Last sign in: 2/14/2022' and a user profile for 'mike'. Below the 'Generate Report' button, there are two tabs: 'Generated Reports' and 'Report Definitions'. The 'Generated Reports' tab contains a table with the following data:

| Report | Created | Created by | Status | Records | Size | |
|-------------------------------|-----------------------|------------|--------|---------|------|--------------------------|
| Privileged Accounts Inventory | 2/14/2022 11:49:01 AM | mike | Done | 14 | 8KB | [Download] [Excel] [CSV] |
| Privileged Accounts Inventory | 2/14/2022 11:45:09 AM | mike | Done | 38 | 16KB | [Download] [Excel] [CSV] |

Below the table, a preview of a CSV report is shown in a LibreOffice Calc window. The report is titled 'InventoryReports.InventoryReportUI_2022-02-14_114901.853 (1).csv'. The data is organized into columns: A (Safe), B (Device type), C (Platform ID), D (Target system address), E (Target system user name), F (Group name), G (Last accessed date), H (Last accessed by), I (Last modified date), and J (Last modified by). The data rows show various system configurations and user access logs. A red box highlights the 'backdoor' entry in row 5, column E.

At the bottom left of the interface, a red box highlights the file name 'InventoryReports.L....csv' in the download area.



Privileged Accounts Inventory Report

| | A | B | C | D | E | F | G | H | I | J |
|----|-----------------------------|------------------|----------------------|-----------------------|---------------------------|------------|---------------------|------------------|---------------------|------------------|
| 1 | Safe | Device type | Platform ID | Target system address | Target system user name | Group name | Last accessed date | Last accessed by | Last modified date | Last modified by |
| 2 | VaultInternal | Operating System | WinDomain | 10.0.1.50 | VaultBind@cyber-ark-demo | | | | 20/05/2013 11:54:37 | Administrator |
| 3 | Local Administrator Account | Operating System | WinServerLocal | components | Administrator | | 19/03/2014 15:12:06 | Mike | 28/05/2013 16:52:03 | Administrator |
| 4 | Cisco enable Accts | Network Device | CiscoEnableviaTelnet | 10.0.1.3 | enable | | 18/03/2014 13:08:11 | Carlos | 28/05/2013 16:52:17 | Administrator |
| 5 | Cisco enable Accts | Network Device | CiscoTelnet | 10.0.1.3 | admin | | 18/03/2014 13:08:35 | Carlos | 28/05/2013 16:52:49 | Administrator |
| 6 | Cisco enable Accts | Network Device | CiscoTelnet | 10.0.1.3 | login | | 18/03/2014 13:08:12 | Carlos | 28/05/2013 16:53:07 | Administrator |
| 7 | Domain Admin Accounts | Operating System | WinDomain | cyber-ark-demo | x_admin | | 19/03/2014 08:28:44 | John | 28/05/2013 16:53:39 | Administrator |
| 8 | Linux PCI Accounts | Operating System | Linux_SSH_Proxy | rhel4 | root | | 04/03/2014 10:18:21 | Paul | 28/05/2013 16:54:01 | Administrator |
| 9 | Linux Root Accounts | Operating System | UnixSSH | rhel2 | root | | 19/03/2014 15:12:54 | Mike | 28/05/2013 16:54:42 | Administrator |
| 10 | Oracle DB Accounts | Database | OracleSys | rhel2 | sys | | 18/03/2014 13:04:10 | Robert | 28/05/2013 16:54:49 | Administrator |
| 11 | RACF Accounts | Operating System | OS390SSH | fandezhi.efglobe.com | MOSHI | | 06/03/2014 17:27:53 | Mike | 28/05/2013 16:55:06 | Administrator |
| 12 | SSH Proxy Accounts | Operating System | Linux_SSH_Proxy | 10.0.1.155 | root | | 19/03/2014 15:13:44 | Paul | 28/05/2013 16:55:11 | Administrator |
| 13 | Unix Root Accts | Operating System | LinuxPCIRoot | rhel2 | proxy_user | | 21/02/2014 12:09:18 | cmaroun | 28/05/2013 16:55:17 | Administrator |
| 14 | VMWare Passwords | Operating System | VMWareESX-SSH | 10.0.1.20 | root | | 19/03/2014 14:14:19 | Mike | 28/05/2013 16:55:23 | Administrator |
| 15 | VMWare Passwords | Operating System | VMWareESX-SSH | vcenter | Administrator | | 19/03/2014 09:37:13 | John | 28/05/2013 16:55:29 | Administrator |
| 16 | WebApps | Website | AmazonWebServices | Amazon Web Services | michael.marino@cyber-ark. | | 19/03/2014 09:28:11 | John | 28/05/2013 16:55:35 | Administrator |
| 17 | WebApps | Website | Shift4 | address | mmarino | | 19/03/2014 09:29:38 | John | 28/05/2013 16:55:40 | Administrator |
| 18 | WebApps | Website | Facebook | www.facebook.com | michael.marino@cyber-ark. | | 19/03/2014 09:28:35 | John | 28/05/2013 16:55:46 | Administrator |
| 19 | Domain Service Accounts | Operating System | WinDomain | Cyber-ark-demo | s_oscar_perftest | | | | 28/05/2013 16:55:59 | Administrator |
| 20 | Domain Admin Accounts | Operating System | WinDomain | Cyber-ark-demo | bwadmin | | | | 28/05/2013 16:56:07 | Administrator |
| 21 | Domain Service Accounts | Operating System | WinDomain | Cyber-ark-demo | s_LocalDiscovery | | | | 28/05/2013 16:56:14 | Administrator |

PURPOSE:

Provides information about all the accounts in the system.

PERMISSIONS REQUIRED:

List Accounts and **View Safe Members** on each Safe included in the report



Applications Inventory Report

| | A | B | C | D | E | F |
|---|------------------|------------------|------------|--------------------|------------|----------|
| | Application ID ▼ | Business owner ▼ | Location ▼ | Allowed Machines ▼ | OSUser/s ▼ | Path/s ▼ |
| 1 | | | | | | |
| 2 | .NET App | Jack Shephard | \ | 10.0.1.13 | | |
| 3 | FTPScript | Jack Shephard | \ | 10.0.1.13 | | |
| 4 | Oracle | Sayid Jarrah | \ | 10.0.1.15 | | |
| 5 | VBScript | Jack Shephard | \ | 10.0.1.13 | | |
| 6 | WebLogic | Sayid Jarrah | \ | 10.0.1.15 | | |

PURPOSE:

Provides information about the application IDs in the system.

PERMISSIONS REQUIRED:

Audit Users in the **Vault**.



Privileged Accounts Compliance Status Report

| | A | B | C | D | E | F | G |
|----|---------------------------|-----------------------|-----------------------------|----------------------|-------------------|-----------------------|-----------------------|
| | Target system user name | Target system address | Safe | Platform ID | Compliance status | Non-compliance reason | Expiration due (days) |
| 1 | x_admin | cyber-ark-demo | Domain Admin Accounts | WinDomain | Compliant | N/A | 89 |
| 2 | proxy_user | rhel2 | Unix Root Accts | LinuxPCIRoot | Compliant | N/A | 89 |
| 3 | root | rhel2 | Linux Root Accounts | UnixSSH | Compliant | N/A | 89 |
| 4 | VaultBind@cyber-ark-demo | 10.0.1.50 | VaultInternal | WinDomain | Not compliant | Password Expired | -303 |
| 5 | Administrator | components | Local Administrator Account | WinServerLocal | Not compliant | Password Expired | -295 |
| 6 | enable | 10.0.1.3 | Cisco enable Accts | CiscoEnableviaTelnet | Not compliant | Password Expired | -295 |
| 7 | admin | 10.0.1.3 | Cisco enable Accts | CiscoTelnet | Not compliant | Password Expired | -295 |
| 8 | login | 10.0.1.3 | Cisco enable Accts | CiscoTelnet | Not compliant | Password Expired | -295 |
| 9 | root | rhel4 | Linux PCI Accounts | Linux_SSH_Proxy | Not compliant | Password Expired | -295 |
| 10 | sys | rhel2 | Oracle DB Accounts | OracleSys | Not compliant | Password Expired | -295 |
| 11 | MOSHI | fandezhi.efglobe.com | RACF Accounts | OS390SSH | Not compliant | Password Expired | -295 |
| 12 | root | 10.0.1.155 | SSH Proxy Accounts | Linux_SSH_Proxy | Not compliant | Password Expired | -295 |
| 13 | root | 10.0.1.20 | VMWare Passwords | VMWareESX-SSH | Not compliant | Password Expired | -295 |
| 14 | Administrator | vcenter | VMWare Passwords | VMWareESX-SSH | Not compliant | Password Expired | -295 |
| 15 | michael.marino@cyber-ark. | Amazon Web Services | WebApps | AmazonWebServices | Not compliant | Password Expired | -295 |
| 16 | mmarino | address | WebApps | Shift4 | Not compliant | Password Expired | -295 |

PURPOSE:

CPM status for each account
(validates compliance with policy).

PERMISSIONS REQUIRED:

- **List Accounts** in all Safes that are included in the report, as well as **View Audit** or **Confirm Safe request** in **Safes** that are configured for dual control.
- Membership of the **PVWAMonitor** group.
- To run the report for the entire **Vault**: membership of the **Auditors** group.



Entitlement Report

| | A | B | C | D | E | F | G | H | I |
|-------|---------------------------|--------------------|-----------|------------------|----------------|-----------|--------------------|---------------|----------------|
| 1 | Safe | User | Full name | Group membership | Location | User type | Target platform ID | Target system | Target account |
| 10062 | Linux PCI Accounts | | | | | | | | |
| 10063 | | Master | No | \ | Built-InAdmins | | | | |
| 10064 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10065 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10066 | | | | | | | LinuxPCIRoot | rhel2 | root |
| 10067 | | Administrator | No | \ | Built-InAdmins | | | | |
| 10068 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10069 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10070 | | | | | | | LinuxPCIRoot | rhel2 | root |
| 10071 | | Auditor | Yes | \ | Built-InAdmins | | | | |
| 10072 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10073 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10074 | | | | | | | LinuxPCIRoot | rhel2 | root |
| 10075 | | Batch | No | \ | Built-InAdmins | | | | |
| 10076 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10077 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10078 | | | | | | | LinuxPCIRoot | rhel2 | root |
| 10079 | | NotificationEngine | Yes | \ | ENE | | | | |
| 10080 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10081 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10082 | | | | | | | LinuxPCIRoot | rhel2 | root |
| 10083 | | PasswordManager | No | \ | CPM | | | | |
| 10084 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10085 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10086 | | | | | | | LinuxPCIRoot | rhel2 | root |
| 10087 | | PVWAGWUser | No | \ | PVWA | | | | |
| 10088 | | | | | | | Linux_SSH_Proxy | rhel4 | root |
| 10089 | | | | | | | UnixSSH | 10.0.1.15 | logon |
| 10090 | | | | | | | LinuxPCIRoot | rhel2 | root |

PURPOSE:

For each user, the accounts/safes they can access in the system.

PERMISSIONS REQUIRED:

Either Manage Users or Audit Users Vault Authorization.



Activity Log Report

| | A | B | C | D | | F | G | H | I |
|----|---------------------|---------------|----------------------------|------|---------------|-----------------|---------------|----------------|------------|
| 1 | Time | User | Action | Safe | Target | Target Platform | Target System | Target Account | New Target |
| 2 | 18/06/2014 10:15:59 | Administrator | Logon | | 10.0.1.13 | | | | |
| 3 | 18/06/2014 10:16:02 | Administrator | Clear User History | | Administrator | | | | |
| 4 | 18/06/2014 10:16:43 | Administrator | Update User Detailed Infor | | Auditor | | | | |
| 5 | 18/06/2014 10:16:43 | Administrator | Reset User Password Detai | | Auditor | | | | |
| 6 | 18/06/2014 10:16:43 | Administrator | Update User Detailed Infor | | Auditor | | | | |
| 7 | 18/06/2014 10:16:43 | Administrator | Update User | | Auditor | | | | |
| 8 | 18/06/2014 10:16:43 | Administrator | Reset User Password | | Auditor | | | | |
| 9 | 18/06/2014 10:17:07 | Administrator | Logoff | | 10.0.1.13 | | | | |
| 10 | 18/06/2014 10:18:06 | Administrator | Logon | | 10.0.1.13 | | | | |
| 11 | 18/06/2014 10:18:31 | Administrator | Add Group Member | | PVWAMonitor | | | | Auditor |
| 12 | 18/06/2014 10:16:43 | Administrator | Update User Detailed Infor | | Auditor | | | | |
| 13 | 18/06/2014 10:16:43 | Administrator | Reset User Password Detai | | Auditor | | | | |
| 14 | 18/06/2014 10:16:43 | Administrator | Update User Detailed Infor | | Auditor | | | | |
| 15 | 18/06/2014 10:16:43 | Administrator | Update User | | Auditor | | | | |
| 16 | 18/06/2014 10:16:43 | Administrator | Reset User Password | | Auditor | | | | |
| 17 | 18/06/2014 10:17:35 | Auditor | Full Gateway Connection | | PVWAGWUser | | | | |
| 18 | 18/06/2014 10:17:35 | Auditor | Logon | | 10.0.1.12 | | | | 10.0.1.13 |
| 19 | 18/06/2014 10:17:49 | Auditor | Logoff | | 10.0.1.12 | | | | |
| 20 | 18/06/2014 10:18:31 | Administrator | Add Group Member | | PVWAMonitor | | | | Auditor |
| 21 | 18/06/2014 10:18:48 | Auditor | Full Gateway Connection | | PVWAGWUser | | | | |

PURPOSE:

All audit information in the **Vault**.

PERMISSIONS REQUIRED:

User-related activities: **Audit Users** vault authorization.
Safe/Account related activities: **View Audit** for **Safes** that will be included in the report.

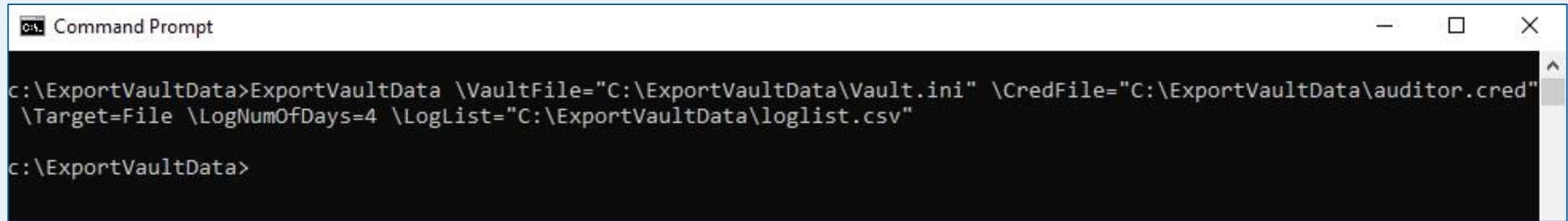


Export Vault Data Utility



CyberArk Export Vault Data Utility

The ***ExportVaultData*** (EVD) utility exports data from the **Vault** to text or CSV files. From there, they can be imported into third-party applications or databases for analysis.



```
Command Prompt

c:\ExportVaultData>ExportVaultData \VaultFile="C:\ExportVaultData\Vault.ini" \CredFile="C:\ExportVaultData\auditor.cred"
\Target=File \LogNumOfDays=4 \LogList="C:\ExportVaultData\loglist.csv"

c:\ExportVaultData>
```

- Custom reports can then be created by third-party tools
- The **EVD** utility can be deployed on any server that has access to the **Vault**
- The usage is similar to other components



CyberArk Export Vault Data Utility Installation

The installation package that you will receive from **CyberArk** includes the following:

ExportVaultData.exe

The main utility that retrieves information from the Vault and imports it into the MSSQL database.

Vault.ini

The Vault parameter file which specifies the Vault where information will be taken.

CreateCredFile.exe

The utility that is used to create the user credentials file that enables the user that will retrieve information to log onto the Vault.

The **EVD** Utility communicates with the **Vault** over port 1858 by default



CyberArk Export Vault Data Utility - Data

- Here is a sample list of the report data that can be exported. All values exported into the text file are enclosed within quotation marks (“ ”)
- Complete descriptions of all reports can be found in the ***EVD Implementation Guide***

- ▶ Users List Report
- ▶ Groups List Report
- ▶ Group Members List Report
- ▶ Safes List Report
- ▶ Owners List Report
- ▶ Files List Report
- ▶ User and Safe Activities Report
- ▶ Master Policy Report
- ▶ System Log Report
- ▶ Requests List Report



Summary



Summary

In this session we covered:

- ⚙️ The types of reports that are available
 - Reports generated in **PrivateArk Client**
 - Reports generated in **PVWA**
- ⚙️ The permissions required to run the different reports
- ⚙️ How to generate various reports using the **PVWA** and the **PrivateArk Client**
- ⚙️ How to generate reports using the **EVD Utility**



Additional Resources



Documentation

[EVD Documentation](#)

You may now complete the following exercises:

Reports

- Generate “Privileged Accounts Inventory” report
- Generate “Safes List” Report and “Users List” report
- Generate reports using EVD

