



**CYBERARK<sup>®</sup>**  
The Identity Security Company<sup>™</sup>

# PAM Administration

Reports



# Agenda

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

1. Describe the different types of reports that are available
2. Describe the permissions required to run different reports
3. Generate various reports using the **PVWA** and **PrivateArk Client**
4. Extract data for 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

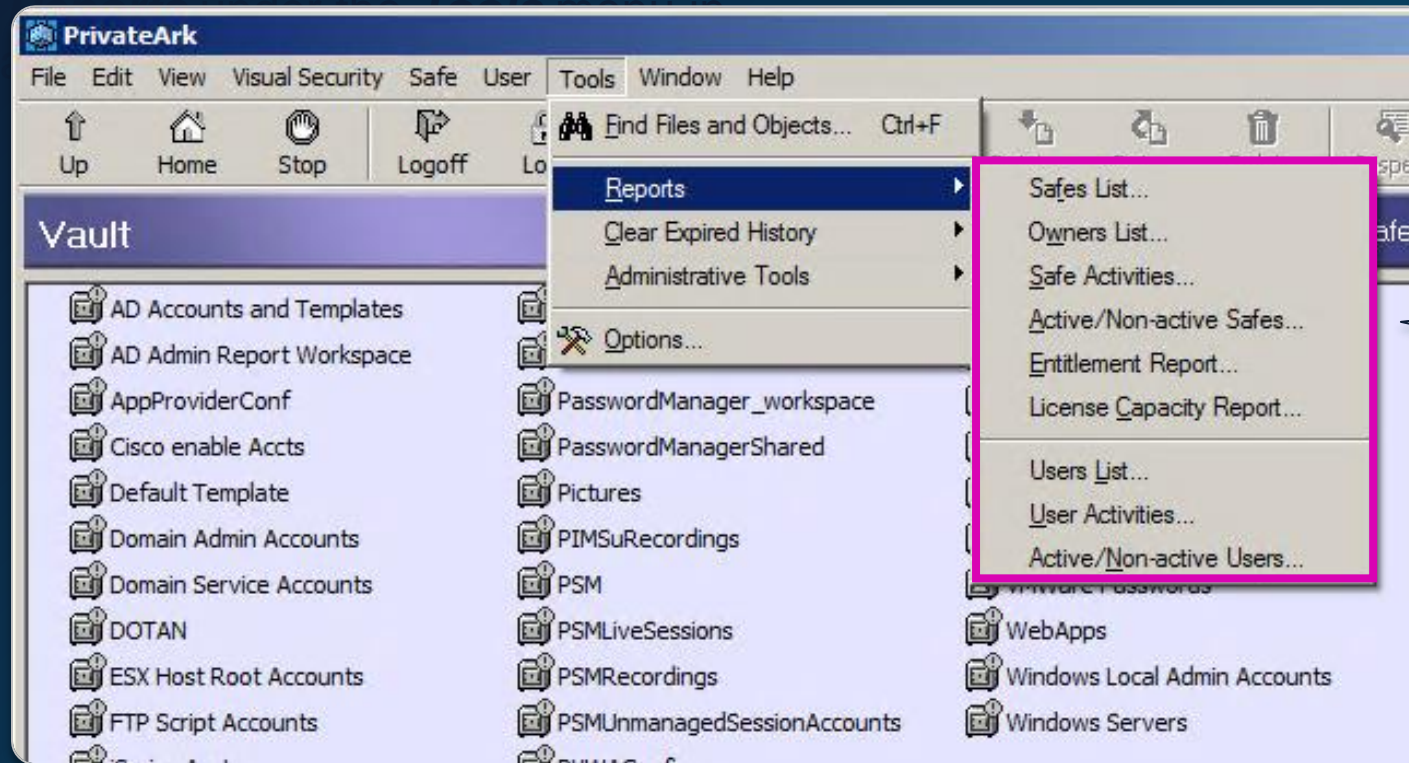
Reports that would be of interest to Auditors

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

# PrivateArk Client Reports

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# Generating PrivateArk Reports



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



# License Capacity Report

License Capacity Report				
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	

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

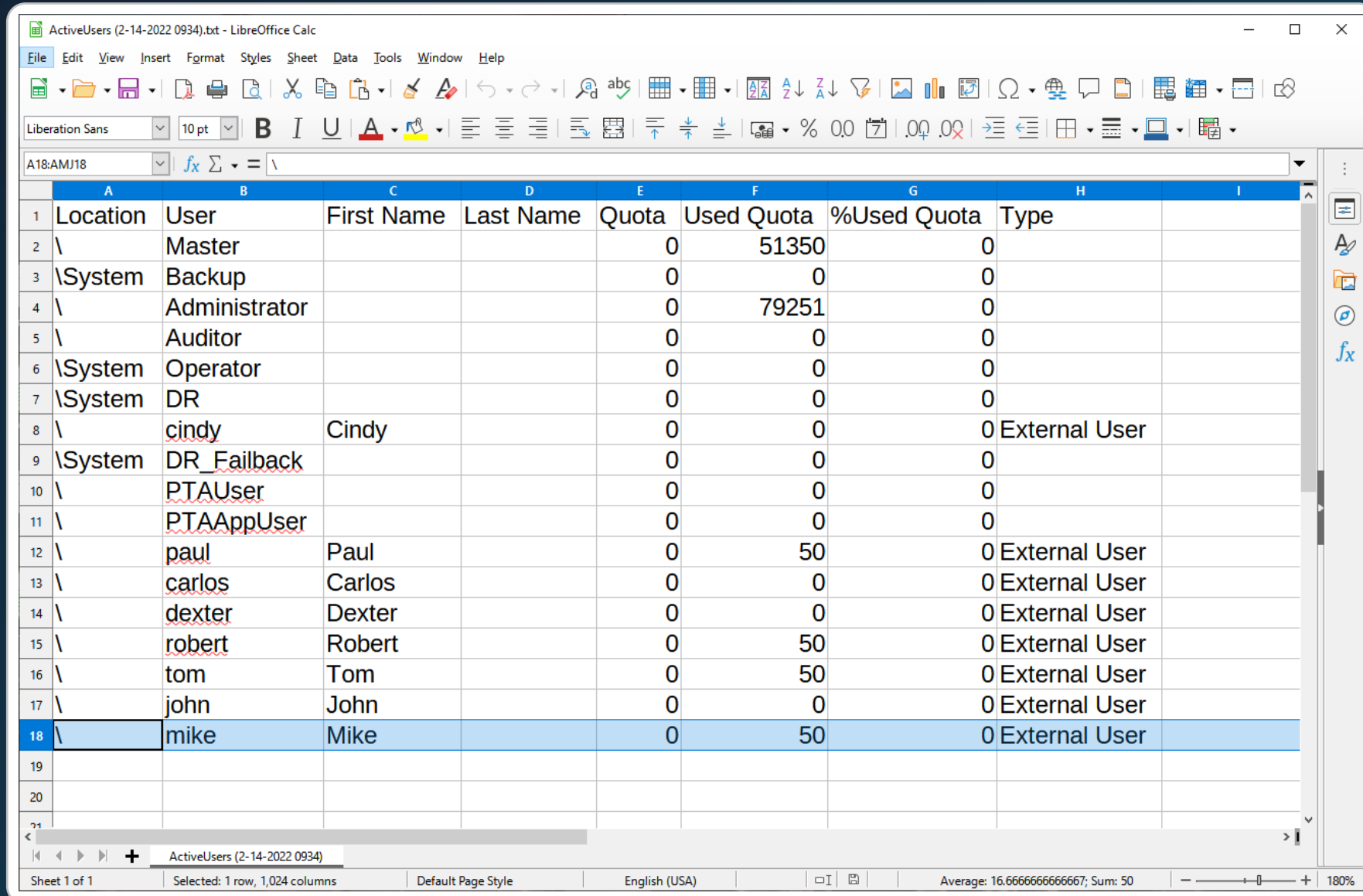
# User List

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

A	B	C	D	E	F	G	H	I	J
\PSMP_ADB_psm-ssh-gw.acme.cor				PSMADBridge	2/14/2022 8:24:42 AM	No	No	No	No
\PSMP_ADB_AppUsers						No	No	No	No
\CyberArk Vault Admins						No	No	No	No
\CyberArk Safe Managers						No	No	No	No
\CyberArk Auditors						No	No	No	No
cindy	Cindy			EPVUser	2/10/2022 9:37:04 AM	No	No	No	No
\PTAUser				EPVUser	2/14/2022 9:28:00 AM	No	No	No	No
\PTAAAppUser				PTA	2/14/2022 8:50:40 AM	No	No	No	No
paul	Paul			EPVUser	2/9/2022 3:07:00 PM	Yes	Yes	No	No
\PSMAApp_COMPONENTS				PSM	2/14/2022 8:25:13 AM	No	Yes	No	No
\PSMGW_COMPONENTS				PSM	2/14/2022 8:24:37 AM	No	No	No	No
\carlos	Carlos			EPVUser	2/8/2022 4:22:54 PM	No	No	No	No
dexter	Dexter			EPVUser	11/7/2021 11:45:20 AM	No	No	No	No
\LinuxAdmins						No	No	No	No
\robert	Robert			EPVUser	1/19/2022 1:40:56 PM	Yes	Yes	No	No
\OracleAdmins						No	No	No	No
tom	Tom			EPVUser	2/8/2022 1:34:16 PM	Yes	Yes	No	No
\WindowsAdmins						No	No	No	No
\ITManagers						No	No	No	No
johN	John			EPVUser	1/25/2022 9:12:12 AM	No	No	No	No
mike	Mike			EPVUser	2/14/2022 8:50:33 AM	Yes	Yes	Yes	No
\System Backup				Built-InAdmins	11/19/2021 12:44:04 PM	No	No	No	No
\System Operator				Built-InAdmins	11/19/2021 1:23:23 PM	No	No	No	No
\System DR				Built-InAdmins	1/19/2022 8:42:30 AM	No	No	No	No
\System Backup Users						No	No	No	No
\System Operators						No	No	No	No
\System DR Users						No	No	No	No
\System Vault Admins						No	No	No	No
\System DR_Failback				DR_Users	11/22/2021 2:13:12 PM	No	No	No	No

# Active Users/Non-Active Users

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



The screenshot shows a LibreOffice Calc spreadsheet titled "ActiveUsers (2-14-2022 0934).bt". The spreadsheet contains a table with user information and their quota usage. The table has columns for Location, User, First Name, Last Name, Quota, Used Quota, %Used Quota, and Type. The data is as follows:

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

The status bar at the bottom indicates "Sheet 1 of 1", "Selected: 1 row, 1,024 columns", "Default Page Style", "English (USA)", "Average: 16.6666666666667; Sum: 50", and "180%".



# Safes List

A list of all Safes and their properties

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

FileEditViewInsertFormatStylesSheetDataToolsWindowHelp

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# Active Safes/ Non-Active Safes

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

ActiveSafes (2-14-2022 1035).txt - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

Liberation Sans 10 pt B I U A % 0.0 0.00 0.00

A37:AMJ37 Lin-Fin-US

	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	PSMPADBridgConf	286	50	0.56	2/14/2022 10:24:45 AM
33	PSMPADBUserProfile	0	50	0	2/14/2022 8:24:43 AM
34	PSMPADBridgCustom	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

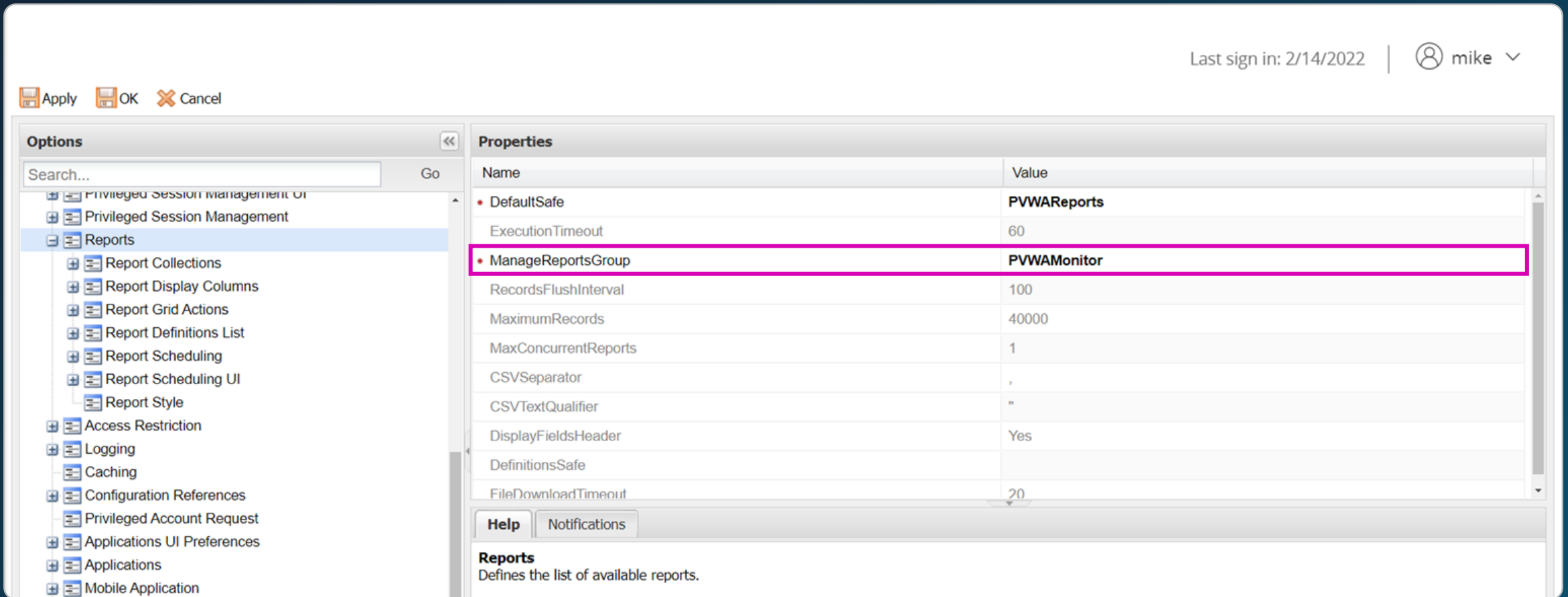
Sheet 1 of 1 Selected: 1 row, 1,024 columns Default Page Style

# PVWA Reports

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# 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 displays the 'Options' dialog box in the CyberArk Administration console. The 'Reports' section is selected in the left-hand tree view. The 'Properties' table on the right lists various configuration parameters, with 'ManageReportsGroup' highlighted in a magenta box, indicating its value is 'PVWAMonitor'.

Top right: Last sign in: 2/14/2022 | mike

Buttons: Apply, OK, Cancel

**Options**

Search... Go

- Privileged Session management UI
- Privileged Session Management
- Reports**
  - Report Collections
  - Report Display Columns
  - Report Grid Actions
  - Report Definitions List
  - Report Scheduling
  - Report Scheduling UI
  - Report Style
- Access Restriction
- Logging
- Caching
- Configuration References
- Privileged Account Request
- Applications UI Preferences
- Applications
- Mobile Application

**Properties**

Name	Value
• DefaultSafe	PVWAReports
ExecutionTimeout	60
• ManageReportsGroup	PVWAMonitor
RecordsFlushInterval	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 Manager interface. On the left, a sidebar contains navigation links: System Health, Accounts, Policies, Security, Applications, Reports (highlighted with a red box), and Administration. The main content area is titled 'My Reports' and features a 'Generate Report' button (highlighted with a red box) and a 'Report Definitions' tab. Below these, a table with columns 'Report', 'Created', 'Created by', 'Status', and 'Records' is visible.

**CYBERARK**  
Privileged Access Manager

System Health  
Accounts  
Policies  
Security  
Applications  
**Reports**  
Administration

Last sign in: - | mike

**Generate Report**

My Reports

Generated Reports | Report Definitions

Report	Created	Created by	Status	Records
--------	---------	------------	--------	---------



# 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 row with the user 'vaultadmin01' and a checked 'Success Notification' checkbox. A checkbox at the bottom is labeled 'Notify me if errors occur'.

**Report Recurrences**

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

**Subscribers**

[Add](#)


User Name	Success Notification
vaultadmin01	<input checked="" type="checkbox"/>


☐ 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 ReportsReport Definitions

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

Page 1 of 1

Displaying Reports 1 - 1 of 1

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

Reports can be downloaded in Excel or CSV formats.

Last sign in: - | mike

[Generate Report](#)

# My Reports

[Generated Reports](#)
[Report Definitions](#)

Report	Created	Created by	Status	Records	Size	
Privileged Accounts Inventory	11/9/2022 11:28:45 AM	mike	Done	2	3KB	

InventoryReports.InventoryReportUI\_2022-02-14\_114901.853 (1).csv - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

E5 fx Σ = backdoor

A	B	C	D	E	F	G	H	I	J	
	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
1	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	administrator				11/23/2021 8:25:20 AM	mike
2	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery01				1/18/2022 1:47:18 PM	PasswordManager
3	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	localadmin01		2/8/2022 1:34:29 PM	tom	2/8/2022 1:40:06 PM	PasswordManager
4	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	backdoor				2/14/2022 8:24:54 AM	PasswordManager
5	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	localadmin02				2/14/2022 8:25:06 AM	PasswordManager
6	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery02				1/4/2022 10:38:57 AM	PasswordManager
7	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery03				1/4/2022 10:38:56 AM	PasswordManager
8	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery04				1/4/2022 10:38:59 AM	PasswordManager
9	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery06				1/4/2022 10:38:59 AM	PasswordManager
10	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery07				1/4/2022 10:39:03 AM	PasswordManager
11	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery05				1/4/2022 10:38:59 AM	PasswordManager
12	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery08				1/4/2022 10:39:02 AM	PasswordManager
13	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery09				1/4/2022 10:39:02 AM	PasswordManager
14	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp	discovery10				1/4/2022 10:39:05 AM	PasswordManager
15	Win-Srv-Fin-US	Operating System	WINSRVCLADM45	target-win.acme.corp						
16										

Page 1 of 1

InventoryReports.I.....csv



# 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	vccenter	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
1	Application ID ▼	Business owner ▼	Location ▼	Allowed Machines ▼	OSUser/s ▼	Path/s ▼
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	<b>Audit Users</b> in the <b>Vault</b> .



# 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)	Platform
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 Accounts	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		PVWAGWU ser				

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.

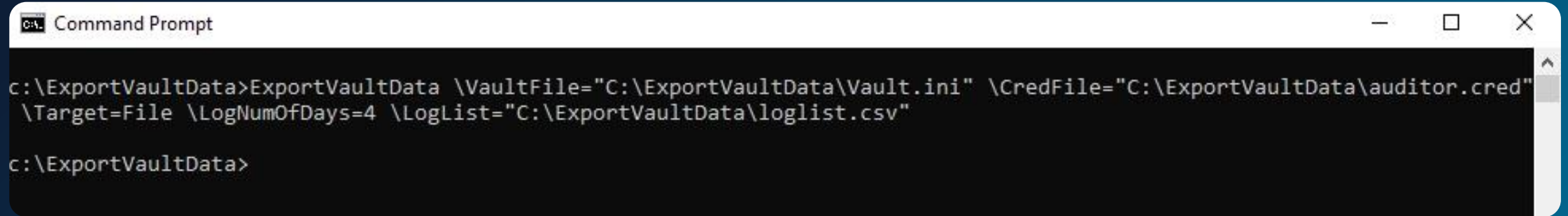


# Export Vault Data Utility

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# 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.

A screenshot of a Windows Command Prompt window. The title bar reads "Command Prompt". The command prompt shows the following command being executed: `c:\ExportVaultData>ExportVaultData \VaultFile="C:\ExportVaultData\Vault.ini" \CredFile="C:\ExportVaultData\auditor.cred" \Target=File \LogNumOfDays=4 \LogList="C:\ExportVaultData\loglist.csv"`. The prompt then shows the next line: `c:\ExportVaultData>`.

```
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 generates reports.

**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 ( “ ” )

- 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

Complete descriptions of all reports can be found in the ***EVD Implementation Guide***

# Summary

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# 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](#)



## Online Training

[Telemetry](#)

**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