



## **BÁO CÁO ĐÁNH GIÁ BẢO TRÌ**

**Hệ thống: Quản lý truy cập tài khoản đặc quyền CyberArk PAM**

**Khách hàng: “Cục Tin học và Thống kê tài chính”**

---

Hà Nội, 04/2024

---

## MỤC LỤC

---

<b>1</b>	<b>THÔNG TIN CHUNG .....</b>	<b>1-3</b>
<b>2</b>	<b>NỘI DUNG CHI TIẾT .....</b>	<b>2-4</b>
2.1	ĐÁNH GIÁ THÔNG TIN VÀ CẤU HÌNH HỆ THỐNG.....	2-4
2.2	KIỂM TRA, RÀ SOÁT CHÍNH SÁCH BẢO MẬT CỦA HỆ THỐNG.....	2-29
2.3	ĐÁNH GIÁ CÁC VẤN ĐỀ KHÁC .....	2-33
<b>3</b>	<b>KẾT LUẬN VÀ ĐỀ XUẤT .....</b>	<b>3-35</b>
<b>4</b>	<b>KỊCH BẢN NÂNG CẤP.....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>

## 1 THÔNG TIN CHUNG

Thời gian thực hiện 08/04/2024

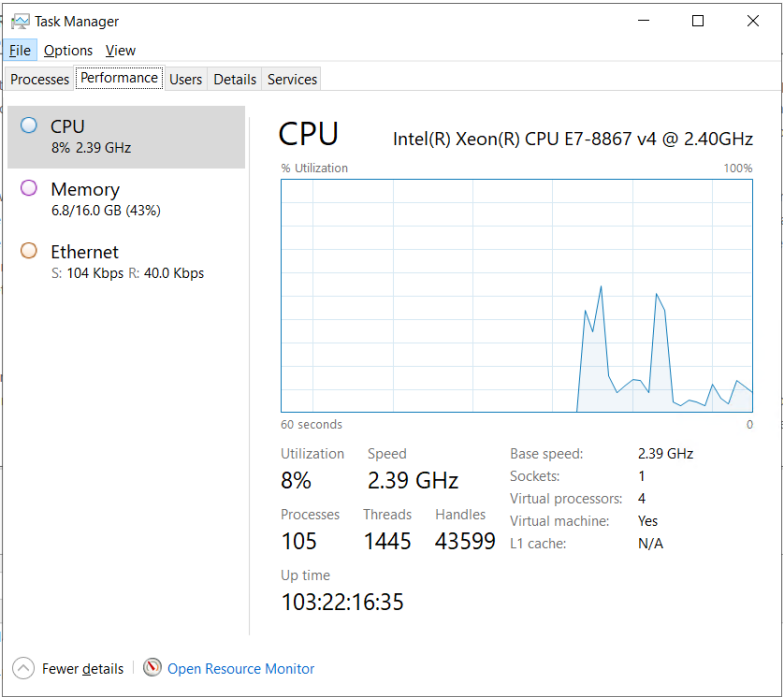
Địa điểm thực hiện: Trụ sở cơ quan Bộ Tài chính, 28 Trần Hưng Đạo, Hoàn Kiếm, Hà Nội

Đơn vị thực hiện: Công ty Cổ phần Dịch vụ Công Nghệ Tin học HPT

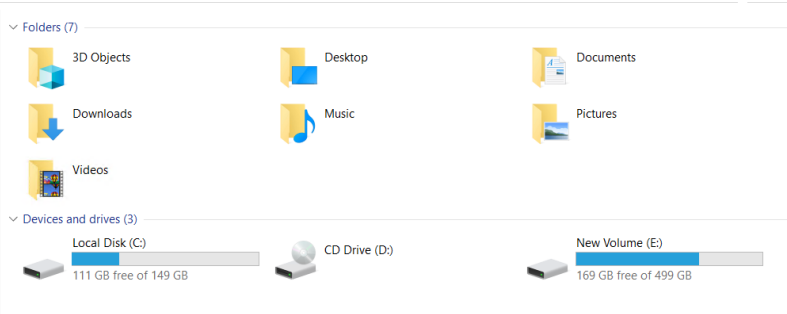
2 NỘI DUNG CHI TIẾT

2.1 ĐÁNH GIÁ THÔNG TIN VÀ CẤU HÌNH HỆ THỐNG

STT	Nội dung kiểm tra	Tiêu chí đánh giá	Kết quả	Khuyến nghị
1. Kiểm tra thông tin hệ thống				
1.1	Thông tin phần cứng	<div>CPU, RAM, HDD &lt; 80%, System time: Đúng với thời gian thực tế</div> <ul style="list-style-type: none"><li>Máy chủ Vault DC</li><li>Máy chủ PVWA – CPM DC</li><li>Máy chủ PSM DC</li><li>Máy chủ Vault DR</li><li>Máy chủ PVWA – CPM DR</li><li>Máy chủ PSM DR</li></ul>	<div>Thông tin phần cứng trên máy chủ Vault:</div> <div>OS: Windows Server 2019 Standard English</div> <div>Hostname: PIM-DC-EPV-N</div> <div>IP: 10.192.252.74</div> <div>Workgroup: WORKGROUP</div>	<div>Mức độ sử dụng CPU và Ram đang ở mức bình thường dưới 80%</div> <div>Các phân vùng E của các máy chủ Vault DC, Backup Vault và Vault DR đang có dấu hiệu đầy =&gt; Cần rà soát để xóa bớt các thư mục không cần thiết</div>



Thông số CPU, RAM: Bình thường



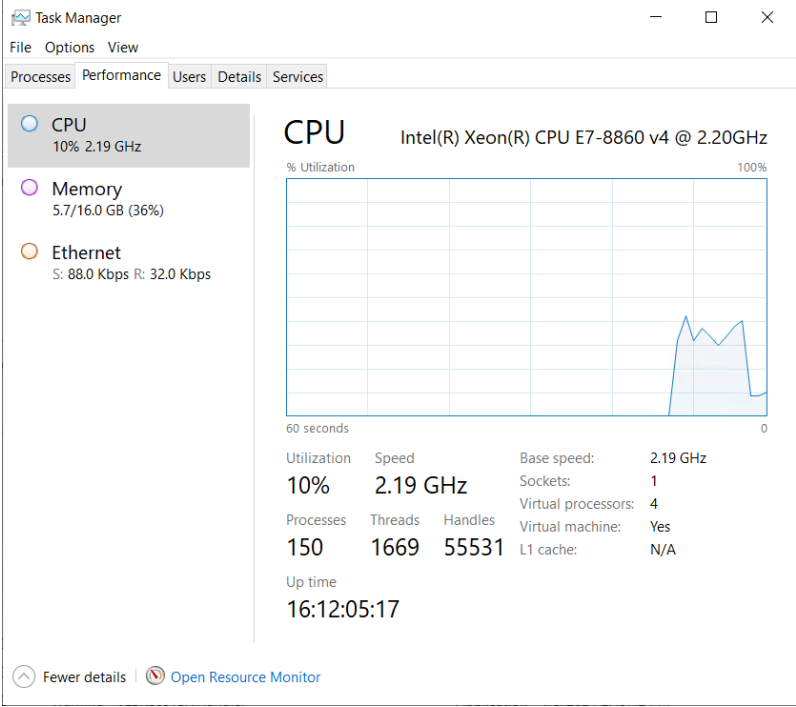
			<div>Thông số HDD: Phân vùng ổ E sắp đầy</div> <div><div>Date &amp; time</div><div>Date and time</div><div>3:05 PM, Monday, April 8, 2024</div><div>Set time automatically</div><div><div></div>Off</div><div>Set time zone automatically</div><div><div></div>Off</div><div>Change date and time</div><div>Change</div><div>Time zone</div><div>(UTC+07:00) Bangkok, Hanoi, Jakarta</div><div>Adjust for daylight saving time automatically</div><div><div></div>Off</div><div>Show additional calendars in the taskbar</div><div>Don't show additional calendars</div></div> <div>Thông số Time: đúng với thời gian thực tế</div> <div>Thông tin phần cứng trên máy chủ Backup Vault :</div> <div>OS: Windows Server 2019 Standard English</div>	
--	--	--	--	--










			<div><div>Hostname: PIM-BackupSrv-N</div><div>IP: 10.192.252.75</div><div>Workgroup: WORKGROUP</div><div><div><div>Task Manager</div><div><div>FileOptionsView</div><div>ProcessesPerformanceUsersDetailsServices</div></div><div><div><div>CPU</div><div>34% 2.39 GHz</div></div><div><div>Memory</div><div>4.9/16.0 GB (31%)</div></div><div><div>Ethernet</div><div>S: 104 Kbps R: 48.0 Kbps</div></div></div><div><div><div>CPU</div><div>Intel(R) Xeon(R) CPU E7-8867 v4 @ 2.40GHz</div><div><div>% Utilization</div><div>100%</div></div><div><div>60 seconds</div><div>0</div></div><div><div>Utilization</div><div>Speed</div><div>Base speed:</div><div>2.39 GHz</div></div><div><div>34%</div><div>2.39 GHz</div><div>Sockets:</div><div>1</div></div><div><div>Processes</div><div>Threads</div><div>Handles</div><div>Virtual processors:</div><div>4</div></div><div><div>145</div><div>1641</div><div>50187</div><div>Virtual machine:</div><div>Yes</div></div><div><div>L1 cache:</div><div>N/A</div></div><div><div>Up time</div><div>10:12:01:04</div></div></div><div><div>Fewer details</div><div>Open Resource Monitor</div></div></div></div><div>Thông số CPU, RAM: Bình thường</div></div></div>	
--	--	--	--	--

			<div><div>✓ Folders (7)</div><div><div>3D Objects</div><div>Desktop</div><div>Documents</div><div>Downloads</div><div>Music</div><div>Pictures</div><div>Videos</div></div></div> <div><div>✓ Devices and drives (3)</div><div><div>Local Disk (C:) 125 GB free of 149 GB</div><div>DVD Drive (D:)</div><div>New Volume (E:) 175 GB free of 499 GB</div></div></div> <div>Thông số HDD: Phân vùng ổ E sắp đầy</div>	
--	--	--	---	--



			<div><div><div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div></div></div><div><div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div><div><div>&lt;</div></div></div></div></div></div>
--	--	--	--

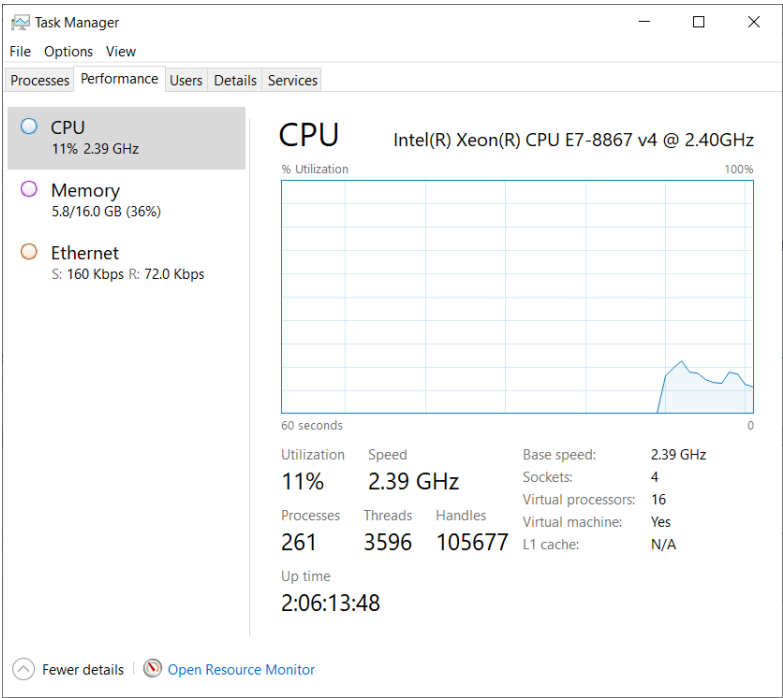
			<div><div>IP: 10.192.252.248</div><div>Workgroup: WORKGROUP</div><div><p>The screenshot shows the Windows Task Manager Performance tab. On the left, there are three sections: CPU (10% 2.19 GHz), Memory (5.7/16.0 GB (36%)), and Ethernet (S: 88.0 Kbps R: 32.0 Kbps). The CPU section is selected. The main area shows a graph of CPU utilization over 60 seconds, with a peak around 10%. Below the graph, there are several statistics: Utilization (10%), Speed (2.19 GHz), Base speed (2.19 GHz), Sockets (1), Virtual processors (4), Processes (150), Threads (1669), Handles (55531), Virtual machine (Yes), L1 cache (N/A), and Up time (16:12:05:17). At the bottom, there are links for 'Fewer details' and 'Open Resource Monitor'.</p></div><div>Thông số CPU, RAM: Bình thường</div></div>	
--	--	--	---	--

			<div data-bbox="1003 231 1787 568"><div>▼ Folders (7)</div><div><div> 3D Objects</div><div> Desktop</div><div> Documents</div></div><div><div> Downloads</div><div> Music</div><div> Pictures</div></div><div><div> Videos</div></div></div> <div data-bbox="1003 454 1787 549"><div>▼ Devices and drives (2)</div><div><div> Local Disk (C:) 112 GB free of 149 GB</div><div> DVD Drive (D:)</div></div></div> <div data-bbox="1218 604 1563 632">Thông số HDD: Bình thường</div>	
--	--	--	---	--

			<div><div>Date &amp; time</div><div>Date and time</div><div>3:23 PM, Monday, April 8, 2024</div><div>Set time automatically</div><div><div></div>Off</div><div>Set time zone automatically</div><div><div></div>Off</div><div>Change date and time</div><div>Change</div><div>Time zone</div><div>(UTC+07:00) Bangkok, Hanoi, Jakarta</div><div>Adjust for daylight saving time automatically</div><div><div></div>Off</div><div>Show additional calendars in the taskbar</div><div>Don't show additional calendars</div></div> <div>Thông số Time: đúng với thời gian thực tế</div> <div>Thông tin phần cứng trên máy chủ PSM-CPM tại DC:</div> <div>OS: Windows Server 2019 Standard English</div> <div>Hostname: PIM-PSM-N</div>	
--	--	--	---	--

IP: 10.192.252.90

Workgroup: WORKGROUP



Thông số CPU, RAM: Bình thường

A screenshot of the Windows File Explorer 'This PC' view. The interface is in Vietnamese. Under the 'Folders (7)' section, there are icons for 3D Objects, Desktop, Documents, Downloads, Music, Pictures, and Videos. Under the 'Devices and drives (3)' section, there are three items: 'Local Disk (C:)' with a progress bar indicating 91.6 GB free of 149 GB, 'DVD Drive (D:)' with a DVD icon, and 'New Volume (E:)' with a progress bar indicating 299 GB free of 299 GB.

			<div><div>Date &amp; time</div><div>Date and time</div><div>3:28 PM, Monday, April 8, 2024</div><div>Set time automatically</div><div><div></div>Off</div><div>Set time zone automatically</div><div><div></div>Off</div><div>Change date and time</div><div>Change</div><div>Time zone</div><div>(UTC+07:00) Bangkok, Hanoi, Jakarta</div><div>Adjust for daylight saving time automatically</div><div><div></div>Off</div><div>Show additional calendars in the taskbar</div><div>Don't show additional calendars</div><div>Thông số Time: đúng với thời gian thực tế</div><div>Thông tin phần cứng trên máy chủ Vault tại DR:</div><div>OS: Windows Server 2019 Standard English</div><div>Hostname: PIM-DR-EPV-N</div><div>IP: 10.192.252.91</div></div>	
--	--	--	--	--

			<div><div>Workgroup: WORKGROUP</div><div><div><div>Task Manager</div><div><div>FileOptionsView</div><div>ProcessesPerformanceUsersDetailsServices</div></div><div><div><div>CPU</div><div>40% 2.39 GHz</div></div><div><div>Memory</div><div>6.5/16.0 GB (41%)</div></div><div><div>Ethernet</div><div>S: 56.0 Kbps R: 208 Kbps</div></div></div><div><div><div>CPU</div><div>Intel(R) Xeon(R) CPU E7-8867 v4 @ 2.40GHz</div><div><div>% Utilization</div><div><div></div><div>100%</div></div><div><div>60 seconds</div><div>0</div></div></div><div><div>Utilization</div><div>40%</div><div><div>Speed</div><div>2.39 GHz</div></div><div><div>Base speed:</div><div>2.39 GHz</div></div><div><div>Sockets:</div><div>1</div></div><div><div>Virtual processors:</div><div>4</div></div><div><div>Processes</div><div>103</div><div><div>Threads</div><div>1288</div></div><div><div>Handles</div><div>39452</div></div><div><div>Virtual machine:</div><div>Yes</div></div><div><div>L1 cache:</div><div>N/A</div></div></div><div><div>Up time</div><div>80:02:50:36</div></div></div><div><div><div>^</div><div>Fewer details</div></div><div><div><div>🔗</div><div>Open Resource Monitor</div></div></div></div></div></div><div>Thông số CPU, RAM: Bình thường</div></div></div></div>	
--	--	--	--	--



			<div><div><div>▼ Folders (7)</div><div><div>3D Objects</div><div>Desktop</div><div>Documents</div><div>Downloads</div><div>Music</div><div>Pictures</div><div>Videos</div></div></div><div><div>▼ Devices and drives (3)</div><div><div>Local Disk (C:)</div><div>CD Drive (D:)</div><div>New Volume (E:)</div></div></div></div> <div>Thông số HDD: Phân vùng ổ E sắp đầy</div>	
--	--	--	--	--

			<div><div>Date &amp; time</div><div>Date and time</div><div>3:32 PM, Monday, April 8, 2024</div><div>Set time automatically</div><div><div></div>Off</div><div>Set time zone automatically</div><div><div></div>Off</div><div>Change date and time</div><div>Change</div><div>Time zone</div><div>(UTC+07:00) Bangkok, Hanoi, Jakarta</div><div>Adjust for daylight saving time automatically</div><div><div></div>Off</div><div>Show additional calendars in the taskbar</div><div>Don't show additional calendars</div><div>Thông số Time: đúng với thời gian thực tế</div></div>	
--	--	--	---	--

1.2	<div>Thông tin phiên bản (Version):</div> <div>Run &gt;</div> <div>appwiz.cpl &gt;</div> <div>CyberArk Software</div>	<div>Version:</div> <ul style="list-style-type: none"><li>Vault</li><li>PVWA</li><li>CPM - PSM</li><li>DR</li></ul>	<div>Thông tin phiên bản Vault tại DC:</div> <table><thead><tr><th>Name</th><th>Publisher</th><th>Installed On</th><th>Size</th><th>Version</th></tr></thead><tbody><tr><td>Ajiant</td><td>Viettel Cyber Security</td><td>3/29/2023</td><td>175 MB</td><td>4.5.0</td></tr><tr><td>ClickOnce Bootstrapper Package for Microsoft .NET Framework 4.8</td><td>Microsoft Corporation</td><td>12/7/2023</td><td>248 KB</td><td>4.8.04162</td></tr><tr><td>CyberArk Digital Vault 12.6.0</td><td>CyberArk</td><td>12/25/2023</td><td></td><td>12.06.00.21</td></tr><tr><td>CyberArk Vault Disaster Recovery 12.6.0</td><td>CyberArk</td><td>12/25/2023</td><td></td><td>12.06.00.21</td></tr><tr><td>McAfee Endpoint Security Platform</td><td>McAfee, LLC.</td><td>11/3/2022</td><td>128 MB</td><td>10.7.0</td></tr><tr><td>McAfee Endpoint Security Threat Prevention</td><td>McAfee, LLC.</td><td>11/3/2022</td><td>35.3 MB</td><td>10.7.0</td></tr><tr><td>Microsoft .NET Framework 4.8 SDK</td><td>Microsoft Corporation</td><td>12/7/2023</td><td>20.5 MB</td><td>4.8.03928</td></tr><tr><td>Microsoft .NET Framework 4.8 Targeting Pack</td><td>Microsoft Corporation</td><td>12/7/2023</td><td>43.6 MB</td><td>4.8.03761</td></tr><tr><td>Microsoft .NET Framework 4.8 Targeting Pack (ENU)</td><td>Microsoft Corporation</td><td>12/7/2023</td><td>68.3 MB</td><td>4.8.03761</td></tr><tr><td>Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...</td><td>Microsoft Corporation</td><td>7/7/2022</td><td>13.2 MB</td><td>9.0.30729.6161</td></tr><tr><td>Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...</td><td>Microsoft Corporation</td><td>7/7/2022</td><td>10.1 MB</td><td>9.0.30729.6161</td></tr><tr><td>Microsoft Visual C++ 2015-2022 Redistributable (x64)...</td><td>Microsoft Corporation</td><td>12/7/2023</td><td>20.6 MB</td><td>14.38.33130.0</td></tr><tr><td>PrivateArk Client</td><td>CyberArk</td><td>12/25/2023</td><td></td><td>9.10.2</td></tr><tr><td>Trellix Agent</td><td>Trellix</td><td>11/3/2022</td><td></td><td>5.7.7.378</td></tr><tr><td>VMware Tools</td><td>VMware, Inc.</td><td>7/7/2022</td><td>77.0 MB</td><td>10.1.15.6677369</td></tr></tbody></table> <div>Phiên bản hệ thống đang ở phiên bản mới</div> <div>Thông tin phiên bản PVWA tại DC:</div> <table><thead><tr><th>Name</th><th>Publisher</th><th>Installed On</th><th>Size</th><th>Version</th></tr></thead><tbody><tr><td>Ajiant</td><td>Viettel Cyber Security</td><td>3/29/2023</td><td>175 MB</td><td>4.5.0</td></tr><tr><td>ClickOnce Bootstrapper Package for Microsoft .NET Framework 4.8</td><td>Microsoft Corporation</td><td>12/6/2023</td><td>248 KB</td><td>4.8.04162</td></tr><tr><td>CyberArk Central Policy Manager 12.6.0</td><td>Cyber-Ark Software Ltd.</td><td>12/26/2023</td><td>248 MB</td><td>12.06.00.4</td></tr><tr><td>Google Chrome</td><td>Google LLC</td><td>12/18/2023</td><td>88.6 MB</td><td>114.0.5735.110</td></tr><tr><td>iMacros Version 10.4.28.1074 (x64)</td><td>Ipswitch, Inc</td><td>12/26/2023</td><td>39.2 MB</td><td>10.4.28.1074</td></tr><tr><td>Microsoft .NET Framework 4.8 SDK</td><td>Microsoft Corporation</td><td>12/6/2023</td><td>20.5 MB</td><td>4.8.03928</td></tr><tr><td>Microsoft .NET Framework 4.8 Targeting Pack</td><td>Microsoft Corporation</td><td>12/6/2023</td><td>43.6 MB</td><td>4.8.03761</td></tr><tr><td>Microsoft .NET Framework 4.8 Targeting Pack (ENU)</td><td>Microsoft Corporation</td><td>12/6/2023</td><td>68.3 MB</td><td>4.8.03761</td></tr><tr><td>Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...</td><td>Microsoft Corporation</td><td>7/7/2022</td><td>13.2 MB</td><td>9.0.30729.6161</td></tr><tr><td>Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...</td><td>Microsoft Corporation</td><td>7/7/2022</td><td>10.1 MB</td><td>9.0.30729.6161</td></tr><tr><td>Microsoft Visual C++ 2010 x64 Redistributable - 10.0...</td><td>Microsoft Corporation</td><td>12/26/2023</td><td>13.8 MB</td><td>10.0.40219</td></tr><tr><td>Microsoft Visual C++ 2010 x86 Redistributable - 10.0...</td><td>Microsoft Corporation</td><td>12/26/2023</td><td>11.1 MB</td><td>10.0.40219</td></tr><tr><td>Microsoft Visual C++ 2013 Redistributable (x64) - 12...</td><td>Microsoft Corporation</td><td>12/26/2023</td><td>20.5 MB</td><td>12.0.30501.0</td></tr><tr><td>Microsoft Visual C++ 2013 Redistributable (x86) - 12...</td><td>Microsoft Corporation</td><td>12/26/2023</td><td>17.1 MB</td><td>12.0.30501.0</td></tr><tr><td>Microsoft Visual C++ 2015-2022 Redistributable (x64)...</td><td>Microsoft Corporation</td><td>12/7/2023</td><td>20.6 MB</td><td>14.38.33130.0</td></tr><tr><td>Password Vault Web Access 12.6.10</td><td>CyberArk</td><td>12/26/2023</td><td>227 MB</td><td>12.06.10.133</td></tr><tr><td>Server Endpoint 2017.7.37</td><td>Viettel Cyber Security</td><td>12/1/2023</td><td>119 MB</td><td>2017.7.37</td></tr></tbody></table> <div>Phiên bản hệ thống đang ở phiên bản mới</div> <div>Thông tin phiên bản PSM và CPM tại DC:</div>	Name	Publisher	Installed On	Size	Version	Ajiant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0	ClickOnce Bootstrapper Package for Microsoft .NET Framework 4.8	Microsoft Corporation	12/7/2023	248 KB	4.8.04162	CyberArk Digital Vault 12.6.0	CyberArk	12/25/2023		12.06.00.21	CyberArk Vault Disaster Recovery 12.6.0	CyberArk	12/25/2023		12.06.00.21	McAfee Endpoint Security Platform	McAfee, LLC.	11/3/2022	128 MB	10.7.0	McAfee Endpoint Security Threat Prevention	McAfee, LLC.	11/3/2022	35.3 MB	10.7.0	Microsoft .NET Framework 4.8 SDK	Microsoft Corporation	12/7/2023	20.5 MB	4.8.03928	Microsoft .NET Framework 4.8 Targeting Pack	Microsoft Corporation	12/7/2023	43.6 MB	4.8.03761	Microsoft .NET Framework 4.8 Targeting Pack (ENU)	Microsoft Corporation	12/7/2023	68.3 MB	4.8.03761	Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161	Microsoft Visual C++ 2015-2022 Redistributable (x64)...	Microsoft Corporation	12/7/2023	20.6 MB	14.38.33130.0	PrivateArk Client	CyberArk	12/25/2023		9.10.2	Trellix Agent	Trellix	11/3/2022		5.7.7.378	VMware Tools	VMware, Inc.	7/7/2022	77.0 MB	10.1.15.6677369	Name	Publisher	Installed On	Size	Version	Ajiant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0	ClickOnce Bootstrapper Package for Microsoft .NET Framework 4.8	Microsoft Corporation	12/6/2023	248 KB	4.8.04162	CyberArk Central Policy Manager 12.6.0	Cyber-Ark Software Ltd.	12/26/2023	248 MB	12.06.00.4	Google Chrome	Google LLC	12/18/2023	88.6 MB	114.0.5735.110	iMacros Version 10.4.28.1074 (x64)	Ipswitch, Inc	12/26/2023	39.2 MB	10.4.28.1074	Microsoft .NET Framework 4.8 SDK	Microsoft Corporation	12/6/2023	20.5 MB	4.8.03928	Microsoft .NET Framework 4.8 Targeting Pack	Microsoft Corporation	12/6/2023	43.6 MB	4.8.03761	Microsoft .NET Framework 4.8 Targeting Pack (ENU)	Microsoft Corporation	12/6/2023	68.3 MB	4.8.03761	Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161	Microsoft Visual C++ 2010 x64 Redistributable - 10.0...	Microsoft Corporation	12/26/2023	13.8 MB	10.0.40219	Microsoft Visual C++ 2010 x86 Redistributable - 10.0...	Microsoft Corporation	12/26/2023	11.1 MB	10.0.40219	Microsoft Visual C++ 2013 Redistributable (x64) - 12...	Microsoft Corporation	12/26/2023	20.5 MB	12.0.30501.0	Microsoft Visual C++ 2013 Redistributable (x86) - 12...	Microsoft Corporation	12/26/2023	17.1 MB	12.0.30501.0	Microsoft Visual C++ 2015-2022 Redistributable (x64)...	Microsoft Corporation	12/7/2023	20.6 MB	14.38.33130.0	Password Vault Web Access 12.6.10	CyberArk	12/26/2023	227 MB	12.06.10.133	Server Endpoint 2017.7.37	Viettel Cyber Security	12/1/2023	119 MB	2017.7.37	<div>Phiên bản hiện tại đã được nâng cấp và đang sử dụng ổn định</div>
Name	Publisher	Installed On	Size	Version																																																																																																																																																																										
Ajiant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0																																																																																																																																																																										
ClickOnce Bootstrapper Package for Microsoft .NET Framework 4.8	Microsoft Corporation	12/7/2023	248 KB	4.8.04162																																																																																																																																																																										
CyberArk Digital Vault 12.6.0	CyberArk	12/25/2023		12.06.00.21																																																																																																																																																																										
CyberArk Vault Disaster Recovery 12.6.0	CyberArk	12/25/2023		12.06.00.21																																																																																																																																																																										
McAfee Endpoint Security Platform	McAfee, LLC.	11/3/2022	128 MB	10.7.0																																																																																																																																																																										
McAfee Endpoint Security Threat Prevention	McAfee, LLC.	11/3/2022	35.3 MB	10.7.0																																																																																																																																																																										
Microsoft .NET Framework 4.8 SDK	Microsoft Corporation	12/7/2023	20.5 MB	4.8.03928																																																																																																																																																																										
Microsoft .NET Framework 4.8 Targeting Pack	Microsoft Corporation	12/7/2023	43.6 MB	4.8.03761																																																																																																																																																																										
Microsoft .NET Framework 4.8 Targeting Pack (ENU)	Microsoft Corporation	12/7/2023	68.3 MB	4.8.03761																																																																																																																																																																										
Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161																																																																																																																																																																										
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161																																																																																																																																																																										
Microsoft Visual C++ 2015-2022 Redistributable (x64)...	Microsoft Corporation	12/7/2023	20.6 MB	14.38.33130.0																																																																																																																																																																										
PrivateArk Client	CyberArk	12/25/2023		9.10.2																																																																																																																																																																										
Trellix Agent	Trellix	11/3/2022		5.7.7.378																																																																																																																																																																										
VMware Tools	VMware, Inc.	7/7/2022	77.0 MB	10.1.15.6677369																																																																																																																																																																										
Name	Publisher	Installed On	Size	Version																																																																																																																																																																										
Ajiant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0																																																																																																																																																																										
ClickOnce Bootstrapper Package for Microsoft .NET Framework 4.8	Microsoft Corporation	12/6/2023	248 KB	4.8.04162																																																																																																																																																																										
CyberArk Central Policy Manager 12.6.0	Cyber-Ark Software Ltd.	12/26/2023	248 MB	12.06.00.4																																																																																																																																																																										
Google Chrome	Google LLC	12/18/2023	88.6 MB	114.0.5735.110																																																																																																																																																																										
iMacros Version 10.4.28.1074 (x64)	Ipswitch, Inc	12/26/2023	39.2 MB	10.4.28.1074																																																																																																																																																																										
Microsoft .NET Framework 4.8 SDK	Microsoft Corporation	12/6/2023	20.5 MB	4.8.03928																																																																																																																																																																										
Microsoft .NET Framework 4.8 Targeting Pack	Microsoft Corporation	12/6/2023	43.6 MB	4.8.03761																																																																																																																																																																										
Microsoft .NET Framework 4.8 Targeting Pack (ENU)	Microsoft Corporation	12/6/2023	68.3 MB	4.8.03761																																																																																																																																																																										
Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161																																																																																																																																																																										
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161																																																																																																																																																																										
Microsoft Visual C++ 2010 x64 Redistributable - 10.0...	Microsoft Corporation	12/26/2023	13.8 MB	10.0.40219																																																																																																																																																																										
Microsoft Visual C++ 2010 x86 Redistributable - 10.0...	Microsoft Corporation	12/26/2023	11.1 MB	10.0.40219																																																																																																																																																																										
Microsoft Visual C++ 2013 Redistributable (x64) - 12...	Microsoft Corporation	12/26/2023	20.5 MB	12.0.30501.0																																																																																																																																																																										
Microsoft Visual C++ 2013 Redistributable (x86) - 12...	Microsoft Corporation	12/26/2023	17.1 MB	12.0.30501.0																																																																																																																																																																										
Microsoft Visual C++ 2015-2022 Redistributable (x64)...	Microsoft Corporation	12/7/2023	20.6 MB	14.38.33130.0																																																																																																																																																																										
Password Vault Web Access 12.6.10	CyberArk	12/26/2023	227 MB	12.06.10.133																																																																																																																																																																										
Server Endpoint 2017.7.37	Viettel Cyber Security	12/1/2023	119 MB	2017.7.37																																																																																																																																																																										

Name	Publisher	Installed On	Size	Version
Ajiant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0
ClickOnce Bootstrapper Package for Microsoft .NET Fr...	Microsoft Corporation	12/6/2023	248 KB	4.8.04162
CyberArk Central Policy Manager 12.6.10	Cyber-Ark Software Ltd.	1/9/2024	248 MB	12.06.10.19
CyberArk Privileged Session Manager12.6.7.2	CyberArk	1/10/2024		12.6.7.2
IMacros Version 10.4.28.1074 (x64)	Ipswitch, Inc	1/9/2024	39.2 MB	10.4.28.1074
Infognition ScreenPressor v2.0 (Remove Only)		1/18/2024		
Microsoft .NET Framework 4.8 SDK	Microsoft Corporation	12/6/2023	20.5 MB	4.8.03928
Microsoft .NET Framework 4.8 Targeting Pack	Microsoft Corporation	12/6/2023	43.6 MB	4.8.03761
Microsoft .NET Framework 4.8 Targeting Pack (ENU)	Microsoft Corporation	12/6/2023	68.3 MB	4.8.03761
Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161
Microsoft Visual C++ 2010 x64 Redistributable - 10.0...	Microsoft Corporation	1/9/2024	13.8 MB	10.0.40219
Microsoft Visual C++ 2010 x86 Redistributable - 10.0...	Microsoft Corporation	1/9/2024	11.1 MB	10.0.40219
Microsoft Visual C++ 2013 Redistributable (x64) - 12...	Microsoft Corporation	12/18/2023	20.5 MB	12.0.30501.0
Microsoft Visual C++ 2013 Redistributable (x86) - 12...	Microsoft Corporation	12/18/2023	17.1 MB	12.0.30501.0
Microsoft Visual C++ 2015-2022 Redistributable (x64)...	Microsoft Corporation	12/7/2023	20.6 MB	14.38.33130.0
Notepad++ (64-bit x64)	Notepad++ Team	12/7/2023	13.5 MB	8.4.5

Phiên bản hệ thống đang ở phiên bản mới

Thông tin phiên bản Vault tại DR:

Name	Publisher	Installed On	Size	Version
Ajiant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0
ClickOnce Bootstrapper Package for Microsoft .NET Fr...	Microsoft Corporation	12/6/2023	248 KB	4.8.04162
CyberArk Digital Vault 12.6.0	CyberArk	1/19/2024		12.06.00.21
CyberArk Vault Disaster Recovery 12.6.0	CyberArk	1/19/2024		12.06.00.21
Microsoft .NET Framework 4.8 SDK	Microsoft Corporation	12/6/2023	20.5 MB	4.8.03928
Microsoft .NET Framework 4.8 Targeting Pack	Microsoft Corporation	12/6/2023	43.6 MB	4.8.03761
Microsoft .NET Framework 4.8 Targeting Pack (ENU)	Microsoft Corporation	12/6/2023	68.3 MB	4.8.03761
Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161
Microsoft Visual C++ 2015-2022 Redistributable (x64)...	Microsoft Corporation	1/19/2024	20.6 MB	14.38.33130.0
Server Endpoint 2017.7.37	Viettel Cyber Security	12/1/2023	119 MB	2017.7.37
Trellix Agent	Trellix	11/3/2022		5.7.7.378
Trellix Endpoint Security Platform	Trellix	12/1/2023	149 MB	10.7.0
Trellix Endpoint Security Threat Prevention	Trellix	12/1/2023	43.8 MB	10.7.0
VMware Tools	VMware, Inc.	7/7/2022	77.0 MB	10.1.15.6677369

Phiên bản hệ thống đang ở phiên bản mới

Thông tin phiên bản Backup Vault tại DC:

			<table><tr><th>Name</th><th>Publisher</th><th>Installed On</th><th>Size</th><th>Version</th></tr><tr><td>Ajant</td><td>Viettel Cyber Security</td><td>3/29/2023</td><td>175 MB</td><td>4.5.0</td></tr><tr><td>Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...</td><td>Microsoft Corporation</td><td>7/7/2022</td><td>13.2 MB</td><td>9.0.30729.6161</td></tr><tr><td>Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...</td><td>Microsoft Corporation</td><td>7/7/2022</td><td>10.1 MB</td><td>9.0.30729.6161</td></tr><tr><td>Replicator 12.6.0</td><td>CyberArk</td><td>1/19/2024</td><td></td><td>12.06.00.21</td></tr><tr><td>Server Endpoint 2017.7.37</td><td>Viettel Cyber Security</td><td>12/1/2023</td><td>119 MB</td><td>2017.7.37</td></tr><tr><td>Trellix Agent</td><td>Trellix</td><td>11/3/2022</td><td></td><td>5.7.7.378</td></tr><tr><td>Trellix Endpoint Security Platform</td><td>Trellix</td><td>12/1/2023</td><td>149 MB</td><td>10.7.0</td></tr><tr><td>Trellix Endpoint Security Threat Prevention</td><td>Trellix</td><td>12/1/2023</td><td>43.8 MB</td><td>10.7.0</td></tr><tr><td>VMware Tools</td><td>VMware, Inc.</td><td>7/7/2022</td><td>77.0 MB</td><td>10.1.15.6677369</td></tr></table> <p>Phiên bản hệ thống đang ở phiên bản mới</p>	Name	Publisher	Installed On	Size	Version	Ajant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0	Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161	Replicator 12.6.0	CyberArk	1/19/2024		12.06.00.21	Server Endpoint 2017.7.37	Viettel Cyber Security	12/1/2023	119 MB	2017.7.37	Trellix Agent	Trellix	11/3/2022		5.7.7.378	Trellix Endpoint Security Platform	Trellix	12/1/2023	149 MB	10.7.0	Trellix Endpoint Security Threat Prevention	Trellix	12/1/2023	43.8 MB	10.7.0	VMware Tools	VMware, Inc.	7/7/2022	77.0 MB	10.1.15.6677369																																							
Name	Publisher	Installed On	Size	Version																																																																																								
Ajant	Viettel Cyber Security	3/29/2023	175 MB	4.5.0																																																																																								
Microsoft Visual C++ 2008 Redistributable - x64 9.0.3...	Microsoft Corporation	7/7/2022	13.2 MB	9.0.30729.6161																																																																																								
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3...	Microsoft Corporation	7/7/2022	10.1 MB	9.0.30729.6161																																																																																								
Replicator 12.6.0	CyberArk	1/19/2024		12.06.00.21																																																																																								
Server Endpoint 2017.7.37	Viettel Cyber Security	12/1/2023	119 MB	2017.7.37																																																																																								
Trellix Agent	Trellix	11/3/2022		5.7.7.378																																																																																								
Trellix Endpoint Security Platform	Trellix	12/1/2023	149 MB	10.7.0																																																																																								
Trellix Endpoint Security Threat Prevention	Trellix	12/1/2023	43.8 MB	10.7.0																																																																																								
VMware Tools	VMware, Inc.	7/7/2022	77.0 MB	10.1.15.6677369																																																																																								
1.3	<p>Thông tin License:</p> <p>Truy cập vào Vault &gt; Tools &gt; Report &gt; License Capacity Report</p>	<p>License Used:</p> <ul style="list-style-type: none"><li>User</li></ul>	<p>Thông tin về License đã sử dụng:</p> <div><div>License Capacity Report</div><table><tr><th>Licensed object</th><th>Description</th><th>Used</th><th>Maximum</th></tr><tr><td>EPVUser</td><td>Enterprise Password Vault End User</td><td>50</td><td>50</td></tr><tr><td>AIMAccount</td><td>Application Account</td><td>0</td><td>10</td></tr><tr><td>CPM</td><td>Central Policy Manager</td><td>1</td><td>1</td></tr><tr><td>PVWA</td><td>Password Vault Web Access</td><td>1</td><td>2</td></tr><tr><td>PSMHTML5Gateway</td><td>Privileged Session Manager HTML5 Gateway</td><td>0</td><td>8</td></tr><tr><td>PSM</td><td>Privileged Session Manager</td><td>1</td><td>4</td></tr><tr><td>AppProvider</td><td>Application Password Provider</td><td>0</td><td>1</td></tr><tr><td>PSMPADBridge</td><td>Privileged Session Manager SSH Proxy ADBridge</td><td>0</td><td>4</td></tr><tr><td>PSMPServer</td><td>Privileged Session Manager SSH Proxy</td><td>0</td><td>4</td></tr><tr><td>DR_Fallback</td><td>DR fallback user type</td><td>0</td><td>1</td></tr><tr><td>ENE</td><td>Event notification engine user</td><td>1</td><td>1</td></tr><tr><td>PTA</td><td>Privileged Threats Analytics</td><td>0</td><td>10</td></tr><tr><td>Telemetry</td><td>Telemetry Tool Application User</td><td>0</td><td>5</td></tr><tr><td>IDaptive</td><td>CyberArk SaaS Integration User Type for IDaptive applic...</td><td>0</td><td>3</td></tr><tr><td>DiscoveryApp</td><td>Discovery Management Service Application User</td><td>0</td><td>8</td></tr><tr><td>xRayAdminApp</td><td>An Application User for CyberArk xRay Software</td><td>0</td><td>3</td></tr><tr><td>PSMWeb</td><td>A PSM for Web Dedicated User Type Used for Managing ...</td><td>0</td><td>100</td></tr><tr><td>EPMUser</td><td>An EPM Integration User</td><td>0</td><td>5</td></tr><tr><td>DAPService</td><td>An Application User for CyberArk AAM Backend Service</td><td>0</td><td>8</td></tr><tr><td>PSMForServers</td><td>PSM For Servers Count</td><td>0</td><td>500</td></tr><tr><td>PSMForDB</td><td>PSM For DB Count</td><td>0</td><td>0</td></tr></table><p>OK</p></div> <p>Đã sử dụng gần hết số lượng User</p>	Licensed object	Description	Used	Maximum	EPVUser	Enterprise Password Vault End User	50	50	AIMAccount	Application Account	0	10	CPM	Central Policy Manager	1	1	PVWA	Password Vault Web Access	1	2	PSMHTML5Gateway	Privileged Session Manager HTML5 Gateway	0	8	PSM	Privileged Session Manager	1	4	AppProvider	Application Password Provider	0	1	PSMPADBridge	Privileged Session Manager SSH Proxy ADBridge	0	4	PSMPServer	Privileged Session Manager SSH Proxy	0	4	DR_Fallback	DR fallback user type	0	1	ENE	Event notification engine user	1	1	PTA	Privileged Threats Analytics	0	10	Telemetry	Telemetry Tool Application User	0	5	IDaptive	CyberArk SaaS Integration User Type for IDaptive applic...	0	3	DiscoveryApp	Discovery Management Service Application User	0	8	xRayAdminApp	An Application User for CyberArk xRay Software	0	3	PSMWeb	A PSM for Web Dedicated User Type Used for Managing ...	0	100	EPMUser	An EPM Integration User	0	5	DAPService	An Application User for CyberArk AAM Backend Service	0	8	PSMForServers	PSM For Servers Count	0	500	PSMForDB	PSM For DB Count	0	0	<p>Đã Sử dụng hết số lượng User (50/50), đề xuất bổ sung license.</p>
Licensed object	Description	Used	Maximum																																																																																									
EPVUser	Enterprise Password Vault End User	50	50																																																																																									
AIMAccount	Application Account	0	10																																																																																									
CPM	Central Policy Manager	1	1																																																																																									
PVWA	Password Vault Web Access	1	2																																																																																									
PSMHTML5Gateway	Privileged Session Manager HTML5 Gateway	0	8																																																																																									
PSM	Privileged Session Manager	1	4																																																																																									
AppProvider	Application Password Provider	0	1																																																																																									
PSMPADBridge	Privileged Session Manager SSH Proxy ADBridge	0	4																																																																																									
PSMPServer	Privileged Session Manager SSH Proxy	0	4																																																																																									
DR_Fallback	DR fallback user type	0	1																																																																																									
ENE	Event notification engine user	1	1																																																																																									
PTA	Privileged Threats Analytics	0	10																																																																																									
Telemetry	Telemetry Tool Application User	0	5																																																																																									
IDaptive	CyberArk SaaS Integration User Type for IDaptive applic...	0	3																																																																																									
DiscoveryApp	Discovery Management Service Application User	0	8																																																																																									
xRayAdminApp	An Application User for CyberArk xRay Software	0	3																																																																																									
PSMWeb	A PSM for Web Dedicated User Type Used for Managing ...	0	100																																																																																									
EPMUser	An EPM Integration User	0	5																																																																																									
DAPService	An Application User for CyberArk AAM Backend Service	0	8																																																																																									
PSMForServers	PSM For Servers Count	0	500																																																																																									
PSMForDB	PSM For DB Count	0	0																																																																																									

2. Kiểm tra dịch vụ các thành phần hệ thống				
2.1	Vaul tại DC	Services: Running	Thông tin các dịch vụ trên Vault tại DC:	Không có khuyến nghị

		<div><ul style="list-style-type: none"><li>PrivateArk Server.</li><li>PrivateArk Database.</li><li>CyberArk Logic Container</li></ul><p>Logs: Không có cảnh báo lỗi</p><ul style="list-style-type: none"><li>PrivateArk Log</li></ul></div>	<div><div><div><div>CyberArk Event Notification Engine</div><div>CyberArk Hardened Windows Firewall</div><div>CyberArk Logic Container</div><div>CyberArk Vault Disaster Recovery</div></div><div><div>Windows De...</div><div>Running</div><div>Running</div><div>Automatic</div></div><div><div>Manual</div><div>Automatic</div><div>Automatic</div><div>Local System</div></div><div><div>Local Service</div><div>.\\LogicCont...</div><div>Local System</div></div></div></div> <div><div>PrivateArk Database</div><div>Running</div><div>Automatic</div><div>Local System</div></div> <div><div>PrivateArk Remote Control Agent</div><div></div><div>Manual</div><div>Local System</div></div> <div><div>PrivateArk Server</div><div>Running</div><div>Manual</div><div>Local System</div></div>
--	--	---	---

Thông số các dịch vụ: Bình thường

Thông tin Logs trên Vault tại DC:

Date

Time

Message

1 25/02/2024 21:50:39

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:27 hours.

2 26/02/2024 21:54:26

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:47 hours.

3 26/02/2024 21:55:58

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:43 hours.

4 26/02/2024 21:58:33

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:48 hours.

5 26/02/2024 19:12:24

17AT55200 Authentication failure for user Administrator from station: 10.162.252.74 (code: 486).

6 26/02/2024 22:07:45

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:02 hours.

7 26/02/2024 22:08:17

17AT50400 Backup Replication was not completed successfully by User Backup during the last 52:11 hours.

8 10/03/2024 22:08:15

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:15 hours.

9 10/03/2024 22:11:48

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:08 hours.

10 14/03/2024 16:54:17

17AT55200 Authentication failure for user gsm-kangaroo from station: 10.162.252.78 (code: 1000).

11 14/03/2024 22:12:08

17AT50400 Backup Replication was not completed successfully by User Backup during the last 53:02 hours.

12 17/03/2024 22:16:14

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:01 hours.

13 20/03/2024 18:14:03

17AT55200 Authentication failure for user gsm-hda: 23 from station: 10.162.252.72 (code: 1000).

14 20/03/2024 18:14:17

17AT55200 Authentication failure for user gsm-hda: 23 from station: 10.162.252.78 (code: 1000).

15 20/03/2024 22:20:52

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:07 hours.

16 21/03/2024 10:00:30

17AT55200 Authentication failure for user gsm-kangaroo from station: 10.162.252.240 (code: 1000).

17 21/03/2024 22:21:55

17AT50400 Backup Replication was not completed successfully by User Backup during the last 53:08 hours.

18 22/03/2024 08:36:48

17AT59600 Cannot perform partial impersonation of User gsm-hda: 24. Impersonation ticket has expired.

19 22/03/2024 08:42:22

17AT59600 Cannot perform partial impersonation of User gsm-hda: 24. Impersonation ticket has expired.

20 22/03/2024 16:36:40

17AT59600 Cannot perform partial impersonation of User gsm-hda: 24. Impersonation ticket has expired.

21 22/03/2024 16:36:58

17AT59600 Cannot perform partial impersonation of User gsm-hda: 22. Impersonation ticket has expired.

22 24/03/2024 22:25:10

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:02 hours.

23 24/03/2024 11:38:31

2024-03-23 11:38:31.646:0000108 + STAGE 2002127 PasswordManager[000] In-Flight: PasswordManager\_vh0271-RoofPricer[45+446+1487+033+200+9222]-N FROM 10.162.252.80

24 25/03/2024 14:06:21

17AT59600 Cannot perform partial impersonation of User gsm-hda: 07. Impersonation ticket has expired.

25 25/03/2024 15:12:38

17AT59600 Cannot perform partial impersonation of User PMA-hda: 07. Impersonation ticket has expired.

26 26/03/2024 15:12:22

17AT55200 Authentication failure for user gsm-cmc: 23 from station: 10.162.252.240 (code: 1000).

27 26/03/2024 14:00:48

17AT59600 Cannot perform partial impersonation of User Pma-hda: 07. Impersonation ticket has expired.

28 26/03/2024 16:12:32

17AT59600 Cannot perform partial impersonation of User Pma-hda: 02. Impersonation ticket has expired.

29 27/03/2024 22:29:30

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:04 hours.

30 28/03/2024 08:57:04

17AT55200 Authentication failure for user Pma-hda: 07 from station: 10.162.252.240 (code: 1000).

31 28/03/2024 08:57:04

17AT59600 Cannot perform partial impersonation of User gsm-hda: 24. Impersonation ticket has expired.

32 28/03/2024 22:30:35

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:17 hours.

33 29/03/2024 08:07:46

17AT55200 Authentication failure for user gsm-cmc: 23 from station: 10.162.252.240 (code: 1000).

34 30/03/2024 22:33:17

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:20 hours.

35 01/04/2024 08:09:05

17AT55200 Authentication failure for user gsm-hda: 23 from station: 10.162.252.240 (code: 1000).

36 01/04/2024 08:09:05

17AT55200 Authentication failure for user gsm-hda: 13 from station: 10.162.252.240 (code: 1000).

37 01/04/2024 12:08:34

17AT59600 Cannot perform partial impersonation of User PMA-hda: 07. Impersonation ticket has expired.

38 01/04/2024 12:09:27

17AT55200 Authentication failure for user gsm-hda: 22 from station: 10.162.252.240 (code: 1000).

39 01/04/2024 22:13:39

17AT50400 Backup Replication was not completed successfully by User Backup during the last 50:24 hours.

40 04/04/2024 08:55:54

17AT55200 Authentication failure for user gsm-kangaroo from station: 10.162.252.240 (code: 1000).

41 04/04/2024 22:30:04

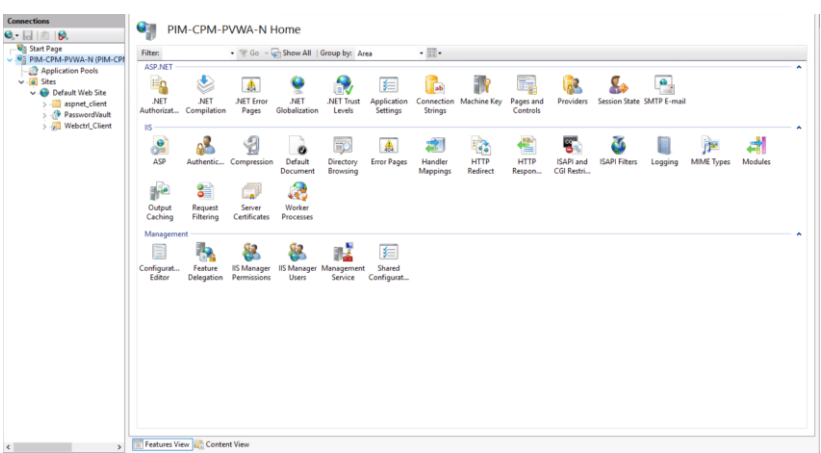
17AT50400 Backup Replication was not completed successfully by User Backup during the last 52:23 hours.

42 05/04/2024 13:24:51

17AT59600 Cannot perform partial impersonation of User PMA-hda: 07. Impersonation ticket has expired.

Thông tin PrivateArk Log: Bình thường

- CyberArk.WebConsole.log

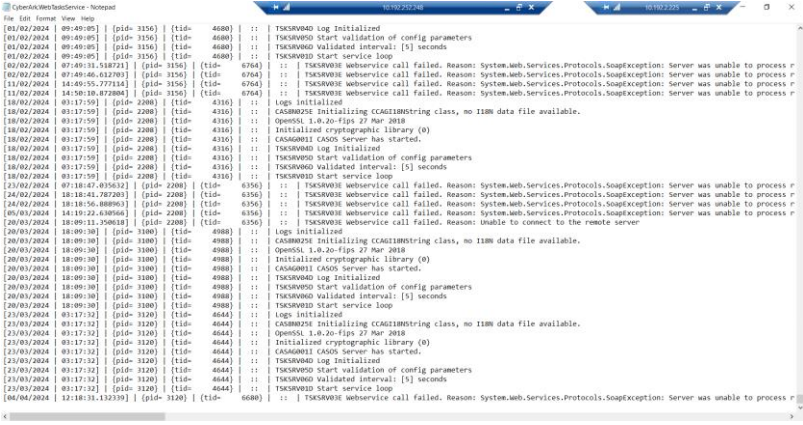


Thông số các dịch vụ: Bình thường

Thông tin Logs trên PVWA-CPM tại DC:

```
File Edit Format View Help
CyberArk.WebConsole - Notepad
[04/01/2024 14:52:08.828039] [pid=14348] [tid=11096] [1] TKS0R001 Webservice call failed, Reason: unable to connect to the remote server
[05/01/2024 11:32:23.220780] [pid=14348] [tid=11096] [1] TKS0R001 Webservice call failed, Reason: unable to connect to the remote server
[05/01/2024 11:33:08.570287] [pid=1156] [tid=4668] [1] TKS0R002 Start Tasks service
[05/01/2024 11:43:30.609962] [pid=10800] [tid=4598] [1] TKS0R002 Start Tasks service
[05/01/2024 11:17:11.883213] [pid=11080] [tid=4688] [1] TKS0R002 Start Tasks service
[05/01/2024 11:10:47.420966] [pid=11080] [tid=4598] [1] TKS0R001 Webservice call failed, Reason: unable to connect to the remote server
[05/01/2024 11:11:28.507287] [pid=11080] [tid=4084] [1] TKS0R002 Start Tasks service
[09/01/2024 10:00:40.933399] [pid=1172] [tid=5888] [1] TKS0R002 Start Tasks service
[12/01/2024 01:47:44.083200] [pid=1172] [tid=6784] [1] TKS0R001 Webservice call failed, Reason: the request failed with HTTP status 503: Service Unavailable.
[12/01/2024 01:48:25.187716] [pid=1112] [tid=4528] [1] TKS0R002 Start Tasks service
[13/01/2024 01:50:06.168761] [pid=16000] [tid=4612] [1] TKS0R002 Start Tasks service
[01/02/2024 09:49:05.791990] [pid=1156] [tid=4080] [1] TKS0R002 Start Tasks service
[02/02/2024 07:40:31.501003] [pid=1156] [tid=6784] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[02/02/2024 07:40:46.612926] [pid=1156] [tid=6784] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[11/02/2024 14:40:55.826061] [pid=1156] [tid=6784] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[11/02/2024 14:50:30.872801] [pid=1156] [tid=6784] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[18/02/2024 01:17:59.538895] [pid=2280] [tid=4316] [1] TKS0R002 Start Tasks service
[23/02/2024 07:18:47.071311] [pid=2280] [tid=6366] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[24/02/2024 18:18:41.843272] [pid=2280] [tid=6366] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[24/02/2024 18:18:56.889346] [pid=2280] [tid=6366] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[26/02/2024 14:10:22.488781] [pid=2280] [tid=6366] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[28/02/2024 18:09:11.558180] [pid=2280] [tid=6366] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
[28/02/2024 18:09:36.558883] [pid=1100] [tid=4080] [1] TKS0R002 Start Tasks service
[23/03/2024 01:17:32.184315] [pid=1120] [tid=4644] [1] TKS0R002 Start Tasks service
[04/04/2024 12:18:31.189641] [pid=1120] [tid=4680] [1] TKS0R001 Webservice call failed, Reason: System.Web.Services.Protocols.SoapException: Server was unable to process r
```

Thông tin cyberArk.WebConsole.log: Bình thường, không có lỗi mới

			<div></div> <p>Thông tin cyberArk.WebTaskService.log: Bình thường, không có lỗi mới</p>																
2.4	CPM tại DC	<div>Services: Running<ul style="list-style-type: none"><li>CyberArk Password Manager</li><li>CyberArk Central Policy Manager Scanner</li></ul></div> <div>Logs: Không có cảnh báo lỗi<ul style="list-style-type: none"><li>pm.log</li><li>pm_error.log</li></ul></div>	<div><p>Thông tin các dịch vụ trên CPM :</p><table><tr><td></td><td>CyberArk Central Policy Manager Scanner</td><td>The CyberAr...</td><td>Automatic</td><td>Local System</td></tr><tr><td></td><td>CyberArk Password Manager</td><td>Policy Mana...</td><td>Running</td><td>Automatic</td></tr><tr><td></td><td>Cyber-Ark Privileged Session Manager</td><td>Privileged Se...</td><td>Running</td><td>Automatic</td></tr></table></div> <div><p>Thông số các dịch vụ: Bình thường</p><p>Thông tin Logs trên CPM:</p></div>		CyberArk Central Policy Manager Scanner	The CyberAr...	Automatic	Local System		CyberArk Password Manager	Policy Mana...	Running	Automatic		Cyber-Ark Privileged Session Manager	Privileged Se...	Running	Automatic	
	CyberArk Central Policy Manager Scanner	The CyberAr...	Automatic	Local System															
	CyberArk Password Manager	Policy Mana...	Running	Automatic															
	Cyber-Ark Privileged Session Manager	Privileged Se...	Running	Automatic															



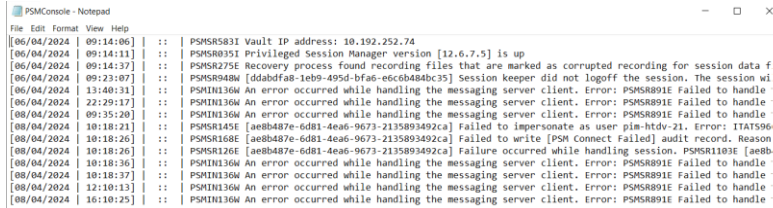
The image displays two screenshots of Notepad files, likely containing log data. The top screenshot is titled 'pm - Notepad' and shows a list of log entries with timestamps and error codes. The bottom screenshot is titled 'pm\_error - Notepad' and shows a list of log entries with timestamps and error codes.

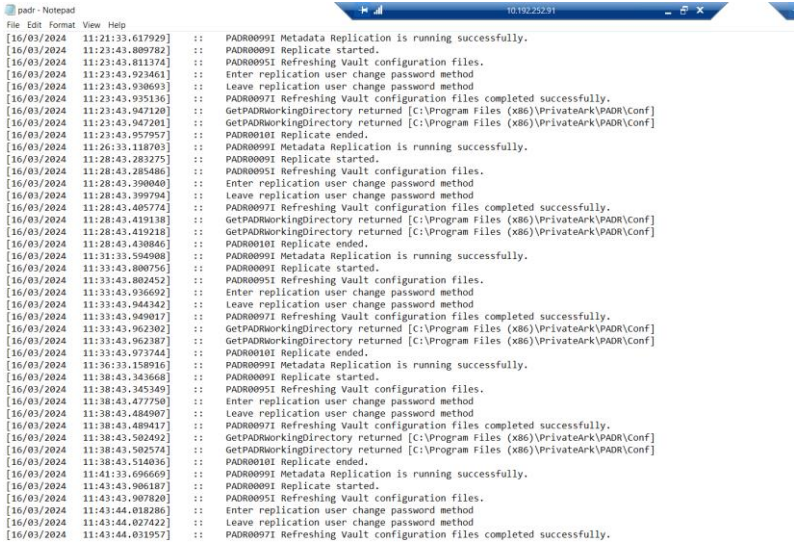
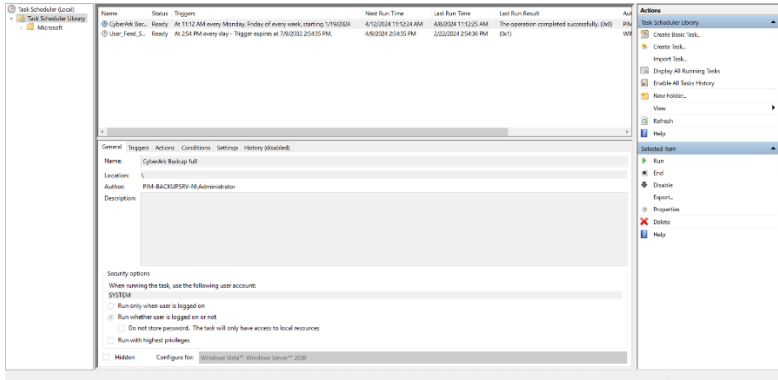
**pm - Notepad**

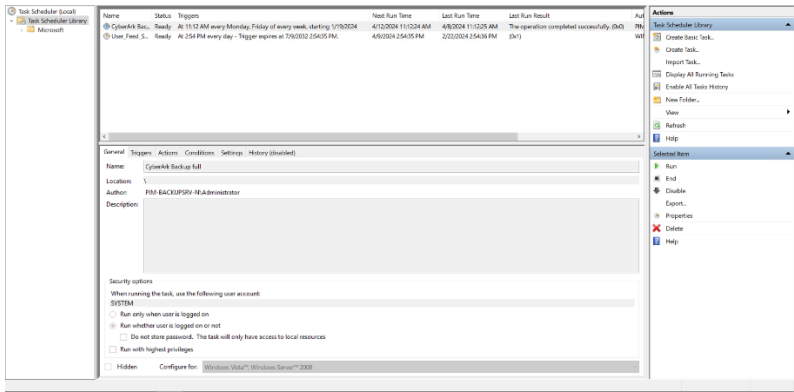
```
08/04/2024 16:13:13 [351c] CACPM098I Ending Policy Manager Policy-Azure.ini.
08/04/2024 16:13:13 [0910] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:13 [0910] CACPM098I Ending Policy Manager Policy-INITConfigFile.ini.
08/04/2024 16:13:13 [35f0] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:13 [35f0] CACPM098I Ending Policy Manager Policy-TextConfigFile.ini.
08/04/2024 16:13:13 [20b4] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:13 [20b4] CACPM098I Ending Policy Manager Policy-VMWareESX-SSH.ini.
08/04/2024 16:13:14 [20e0] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [20e0] CACPM098I Ending Policy Manager Policy-MOF_SIEVviaHTTPS.ini.
08/04/2024 16:13:14 [051c] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [051c] CACPM098I Ending Policy Manager Policy-MOF_DDoSviaHTTPS.ini.
08/04/2024 16:13:14 [44fc] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [44fc] CACPM098I Ending Policy Manager Policy-IISAnonymous.ini.
08/04/2024 16:13:14 [0790] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [0790] CACPM098I Ending Policy Manager Policy-MOF_AlgoSec-fireflowviaHTTPS.ini.
08/04/2024 16:13:14 [40e4] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [40e4] CACPM098I Ending Policy Manager Policy-Registry.ini.
08/04/2024 16:13:14 [2968] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [2968] CACPM098I Ending Policy Manager Policy-LocalPrivateSSHKey.ini.
08/04/2024 16:13:14 [20cc] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [20cc] CACPM098I Ending Policy Manager Policy-MOF_F5viaHTTPS.ini.
08/04/2024 16:13:14 [49e4] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [49e4] CACPM098I Ending Policy Manager Policy-JuniperSRX.ini.
08/04/2024 16:13:14 [442c] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [442c] CACPM098I Ending Policy Manager Policy-CiscoSSH.ini.
08/04/2024 16:13:14 [4638] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [4638] CACPM098I Ending Policy Manager Policy-MOF_McafeeWebGatewayviaHTTPS.ini.
08/04/2024 16:13:14 [4240] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:13:14 [4240] CACPM098I Ending Policy Manager Policy-MOF_PolicyGuardviaHTTPS.ini.
```

**pm\_error - Notepad**

```
08/04/2024 16:09:11 [07f8] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [32cc] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [49f0] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4534] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4554] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [3214] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [17f8] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4b74] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4110] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4b84] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4548] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [360c] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [3bdc] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [4ad4] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [38a8] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [2108] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [426c] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [1010] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:09:11 [2c68] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [2a18] CACPM161E Password change component .\bin\CyberArk.Extensions.Plugin.Azure.dll was not found.
08/04/2024 16:10:11 [2d28] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [46ec] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [3bc3] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [3648] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [0850] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [1014] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [4224] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [3f68] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
08/04/2024 16:10:11 [4500] CACPM161E Password change component .\bin\PMTerminal.exe was not found.
```

			Thông tin pm_error.log: Bình thường, không có lỗi mới																													
2.4	PSM tại DC	<div>Services: Running<ul style="list-style-type: none"><li>CyberArk Privileged Session Manager</li></ul></div> <div>Logs: Không có cảnh báo lỗi<ul style="list-style-type: none"><li>PSMConsole.log</li></ul></div>	<div>Thông tin các dịch vụ trên PSM :</div> <div><table><tr><td>CyberArk Central Policy Manager Scanner</td><td>The CyberAr...</td><td>Automatic</td><td>Local System</td></tr><tr><td>CyberArk Password Manager</td><td>Policy Mana...</td><td>Running</td><td>Automatic</td></tr><tr><td>CyberArk Privileged Session Manager</td><td>Privileged Se...</td><td>Running</td><td>Automatic</td></tr><tr><td></td><td></td><td></td><td>Local System</td></tr></table></div> <div>Thông số các dịch vụ: Bình thường</div> <div>Thông tin Logs trên PSM:</div> <div></div> <div>Thông tin Logs: Bình thường, không có lỗi mới</div>	CyberArk Central Policy Manager Scanner	The CyberAr...	Automatic	Local System	CyberArk Password Manager	Policy Mana...	Running	Automatic	CyberArk Privileged Session Manager	Privileged Se...	Running	Automatic				Local System	Không có khuyến nghị												
CyberArk Central Policy Manager Scanner	The CyberAr...	Automatic	Local System																													
CyberArk Password Manager	Policy Mana...	Running	Automatic																													
CyberArk Privileged Session Manager	Privileged Se...	Running	Automatic																													
			Local System																													
2.5	Vault tại DR	<div>Services: Running<ul style="list-style-type: none"><li>PrivateArk Database.</li><li>CyberArk Logic Container.</li><li>CyberArk Vault Disaster Recovery</li></ul></div> <div>Logs: Không có cảnh báo lỗi<ul style="list-style-type: none"><li>PADR.log</li></ul></div>	<div>Thông tin các dịch vụ trên DR:</div> <div><table><tr><td>CyberArk Event Notificatio...</td><td></td><td>Manual</td><td>Local System</td></tr><tr><td>CyberArk Hardened Windo...</td><td>Windows De...</td><td>Running</td><td>Automatic</td></tr><tr><td>CyberArk Logic Container</td><td></td><td>Running</td><td>Automatic</td></tr><tr><td>CyberArk Vault Disaster Reco...</td><td></td><td>Running</td><td>Automatic</td></tr><tr><td>PrivateArk Database</td><td></td><td>Running</td><td>Automatic</td></tr><tr><td>PrivateArk Remote Control A...</td><td></td><td></td><td>Manual</td></tr><tr><td>PrivateArk Server</td><td></td><td></td><td>Manual</td></tr></table></div> <div>Thông số các dịch vụ: Bình thường</div>	CyberArk Event Notificatio...		Manual	Local System	CyberArk Hardened Windo...	Windows De...	Running	Automatic	CyberArk Logic Container		Running	Automatic	CyberArk Vault Disaster Reco...		Running	Automatic	PrivateArk Database		Running	Automatic	PrivateArk Remote Control A...			Manual	PrivateArk Server			Manual	Không có khuyến nghị
CyberArk Event Notificatio...		Manual	Local System																													
CyberArk Hardened Windo...	Windows De...	Running	Automatic																													
CyberArk Logic Container		Running	Automatic																													
CyberArk Vault Disaster Reco...		Running	Automatic																													
PrivateArk Database		Running	Automatic																													
PrivateArk Remote Control A...			Manual																													
PrivateArk Server			Manual																													

			<div></div> <p>Thông tin Logs: Bình thường, không có lỗi mới</p>	
2.6	Backup	<p>Task Scheduler: Ready</p> <ul style="list-style-type: none"><li>CyberArk Vault Full Backup</li></ul>	<p>Thông số Task Scheduler trên máy chủ Backup:</p> <div></div> <p>Thông tin Task Scheduler: Bình thường</p>	Thông số phù hợp

3. Kiểm tra sao lưu dữ liệu của hệ thống				
3.1	Cấu hình và tần suất	CyberArk Vault Full Backup: Backup đầy đủ	<div></div> <p>CyberArk Vault Full Backup:</p> <p>Thực hiện vào 11:12 AM mỗi thứ 2 và thứ 6 hàng tuần</p>	Thông số phù hợp

2.2 KIỂM TRA, RÀ SOÁT CHÍNH SÁCH BẢO MẬT CỦA HỆ THỐNG

STT	Nội dung kiểm tra	Tiêu chí đánh giá	Kết Quả	Đánh giá																																										
1	Chính sách quản lý mật khẩu	<p>Các chính sách trong Master Policy liên quan đến việc quản lý mật khẩu. Một số tham số chính sách quan trọng bao gồm:</p> <ul style="list-style-type: none"><li>Require dual control password access approval: Active</li><li>Enforce checkin/checkout exclusive access: Inactive</li><li>Enforce one-time password access: Inactive</li><li>Allow EPV transparent connections: Active</li><li>Require users to specify reason for access: Inactive</li><li>Require password change every X days: 60</li><li>Require password verification every X days: 7</li></ul>	<div><div>▼ Privileged Access Workflows</div><table><tr><th>Policy Rule</th><th>Value</th><th>Exceptions</th></tr><tr><td>Require dual control password access approval</td><td>Active</td><td>-</td></tr><tr><td>Enforce check-in/check-out exclusive access</td><td>Inactive</td><td>-</td></tr><tr><td>Enforce one-time password access</td><td>Inactive</td><td>-</td></tr><tr><td>Allow EPV transparent connections ("Click to connect")</td><td>Active</td><td>-</td></tr><tr><td>Require users to specify reason for access</td><td>Inactive</td><td>-</td></tr></table><div>▼ Password Management</div><table><tr><th>Policy Rule</th><th>Value</th><th>Exceptions</th></tr><tr><td>Require password change every X days</td><td>60</td><td>-</td></tr><tr><td>Require password verification every X days</td><td>7</td><td>-</td></tr></table><div>▼ Session Management</div><table><tr><th>Policy Rule</th><th>Value</th><th>Exceptions</th></tr><tr><td>Require privileged session monitoring and isolation</td><td>Active</td><td>-</td></tr><tr><td>Record and save session activity</td><td>Active</td><td>-</td></tr></table><div>▼ Audit</div><table><tr><th>Policy Rule</th><th>Value</th><th>Exceptions</th></tr><tr><td>Activities audit retention period</td><td>90</td><td>-</td></tr></table></div>	Policy Rule	Value	Exceptions	Require dual control password access approval	Active	-	Enforce check-in/check-out exclusive access	Inactive	-	Enforce one-time password access	Inactive	-	Allow EPV transparent connections ("Click to connect")	Active	-	Require users to specify reason for access	Inactive	-	Policy Rule	Value	Exceptions	Require password change every X days	60	-	Require password verification every X days	7	-	Policy Rule	Value	Exceptions	Require privileged session monitoring and isolation	Active	-	Record and save session activity	Active	-	Policy Rule	Value	Exceptions	Activities audit retention period	90	-	
Policy Rule	Value	Exceptions																																												
Require dual control password access approval	Active	-																																												
Enforce check-in/check-out exclusive access	Inactive	-																																												
Enforce one-time password access	Inactive	-																																												
Allow EPV transparent connections ("Click to connect")	Active	-																																												
Require users to specify reason for access	Inactive	-																																												
Policy Rule	Value	Exceptions																																												
Require password change every X days	60	-																																												
Require password verification every X days	7	-																																												
Policy Rule	Value	Exceptions																																												
Require privileged session monitoring and isolation	Active	-																																												
Record and save session activity	Active	-																																												
Policy Rule	Value	Exceptions																																												
Activities audit retention period	90	-																																												

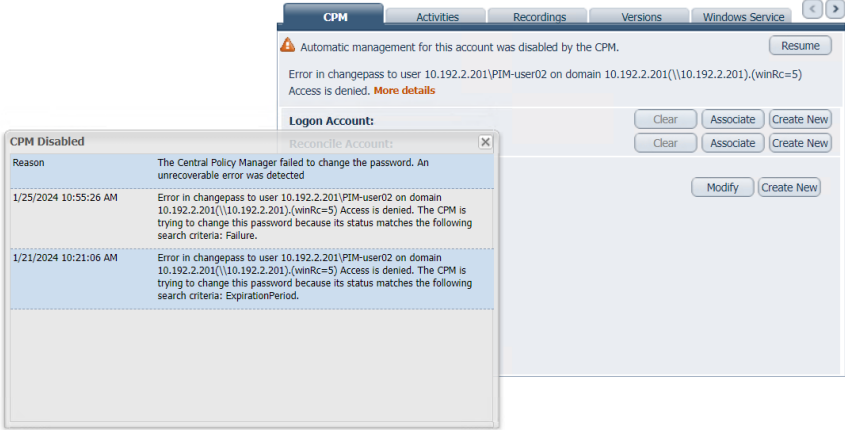
3.2		<p>Ngoài các chính sách quản lý mật khẩu trong phần Master Policy, chính sách mật khẩu dành cho các tài khoản đặc quyền còn có thể điều chỉnh riêng biệt cho từng loại platform trong Platform Policy. Một số tham số chính sách quan trọng bao gồm:</p> <ul style="list-style-type: none"><li>VFPerformPeriodic-Verification</li><li>VFPerformPeriodic-Change</li><li>PasswordLength</li><li>MinUpperCase</li><li>MinLowerCase</li><li>MinDigit</li><li>MinSpecial</li><li>PasswordForbiddenChars</li></ul>	<div><div><div>MF - Windows Server Local Accounts</div><div><div>Search</div><div>Go</div></div><div><div>Target Account Platform</div><div>U &amp; Workflows</div><div>Properties</div><div>Linked Accounts</div><div>Usage</div><div>Training System</div><div>Privileged Session Management</div><div>Connection Components</div><div>Advanced Password Management</div><div>General</div><div>Privileged Account Management</div><div>CPM Plug-in</div><div>Password Change</div><div>Password Verification</div><div>Password Reconciliation</div><div>Notifications</div><div>Generate Password</div><div>Additional Policy Settings</div><div>General Properties</div></div></div><div><div>Properties</div><table><tr><th>Name</th><th>Value</th></tr><tr><td>AllowManualChange</td><td>Yes</td></tr><tr><td>PerformPeriodicChange</td><td>Yes</td></tr><tr><td>HealthIntervalSec</td><td>5</td></tr><tr><td>PeriodicHour</td><td>-1</td></tr><tr><td>Interval</td><td>-1</td></tr><tr><td>ChangeNotificationEmail</td><td>-1</td></tr><tr><td>DisplayOnlyExpiration</td><td>7</td></tr><tr><td>EnforcePolicy</td><td>No</td></tr><tr><td>EnforcePasswordPolicyOnManualChange</td><td>No</td></tr><tr><td>EnforcePasswordHistory</td><td>7</td></tr></table><div>Help   Notifications</div><div>Password Change</div><div>Policy settings for changing passwords.</div><div>Apply OK Cancel</div></div></div> <div><div><div>MF - Windows Server Local Accounts</div><div><div>Search</div><div>Go</div></div><div><div>Target Account Platform</div><div>U &amp; Workflows</div><div>Properties</div><div>Linked Accounts</div><div>Usage</div><div>Training System</div><div>Privileged Session Management</div><div>Connection Components</div><div>Advanced Password Management</div><div>General</div><div>Privileged Account Management</div><div>CPM Plug-in</div><div>Password Change</div><div>Password Verification</div><div>Password Reconciliation</div><div>Notifications</div><div>Generate Password</div><div>Additional Policy Settings</div><div>General Properties</div></div></div><div><div>Properties</div><table><tr><th>Name</th><th>Value</th></tr><tr><td>PasswordLength</td><td>5</td></tr><tr><td>MinUpperCase</td><td>2</td></tr><tr><td>MinLowerCase</td><td>2</td></tr><tr><td>MinDigit</td><td>1</td></tr><tr><td>MinSpecial</td><td>1</td></tr><tr><td>PasswordForbiddenChars</td><td></td></tr><tr><td>PasswordMaxLength</td><td>No</td></tr><tr><td>PasswordSameCharInTwoPosAndPosLen</td><td>No</td></tr><tr><td>PasswordRepeatingCharacters</td><td>No</td></tr></table><div>Help   Notifications</div><div>Generate Password</div><div>Rules for automatically generating passwords.</div><div>Apply OK Cancel</div></div></div>	Name	Value	AllowManualChange	Yes	PerformPeriodicChange	Yes	HealthIntervalSec	5	PeriodicHour	-1	Interval	-1	ChangeNotificationEmail	-1	DisplayOnlyExpiration	7	EnforcePolicy	No	EnforcePasswordPolicyOnManualChange	No	EnforcePasswordHistory	7	Name	Value	PasswordLength	5	MinUpperCase	2	MinLowerCase	2	MinDigit	1	MinSpecial	1	PasswordForbiddenChars		PasswordMaxLength	No	PasswordSameCharInTwoPosAndPosLen	No	PasswordRepeatingCharacters	No	
Name	Value																																													
AllowManualChange	Yes																																													
PerformPeriodicChange	Yes																																													
HealthIntervalSec	5																																													
PeriodicHour	-1																																													
Interval	-1																																													
ChangeNotificationEmail	-1																																													
DisplayOnlyExpiration	7																																													
EnforcePolicy	No																																													
EnforcePasswordPolicyOnManualChange	No																																													
EnforcePasswordHistory	7																																													
Name	Value																																													
PasswordLength	5																																													
MinUpperCase	2																																													
MinLowerCase	2																																													
MinDigit	1																																													
MinSpecial	1																																													
PasswordForbiddenChars																																														
PasswordMaxLength	No																																													
PasswordSameCharInTwoPosAndPosLen	No																																													
PasswordRepeatingCharacters	No																																													
3.3	Chính sách quản lý phiên truy cập	Các chính sách trong Master Policy liên quan đến việc quản lý phiên truy cập.	<ul style="list-style-type: none"><li>Require privileged session monitoring and isolation: Active</li><li>Record and save session activity: Active</li></ul> <div><div>▼ Session Management</div><table><tr><th>Policy Rule</th><th>Value</th><th>Exceptions</th></tr><tr><td>Require privileged session monitoring and isolation</td><td>Active</td><td>-</td></tr><tr><td>Record and save session activity</td><td>Active</td><td>-</td></tr></table></div>	Policy Rule	Value	Exceptions	Require privileged session monitoring and isolation	Active	-	Record and save session activity	Active	-																																		
Policy Rule	Value	Exceptions																																												
Require privileged session monitoring and isolation	Active	-																																												
Record and save session activity	Active	-																																												

	<p>Chính sách phân quyền sử dụng tài khoản đặc quyền</p>	<p><b>Chính sách dành cho người dùng nội bộ BTC</b></p> <p>Áp dụng vào thực tế tại BTC, những người quản trị hệ thống của BTC có thể đăng nhập vào hệ thống CyberArk bằng tài khoản domain (được cấp phát riêng cho hệ thống PIM) của mình (thông qua giao thức xác thực LDAP).</p>	<p>Access</p> <ul style="list-style-type: none"> <li>• Use accounts</li> <li>• List accounts</li> </ul> <p>Workflow</p> <ul style="list-style-type: none"> <li>• Authorize account requests</li> <li>• Access Safe without Confirmation</li> </ul> <p>Safe Management</p> <ul style="list-style-type: none"> <li>• Manage Safe</li> <li>• Manage Safe Members</li> </ul> <p>Account Management</p> <ul style="list-style-type: none"> <li>• Add accounts</li> <li>• Update account content</li> <li>• Update account properties</li> <li>• Initiate CPM account management operations</li> <li>• Rename accounts</li> <li>• Delete accounts</li> <li>• Unlock accounts</li> </ul> <p>Monitor</p> <ul style="list-style-type: none"> <li>• View Audit log</li> <li>• View Safe Members</li> </ul>	
--	--	---	--	--

			<div><div>Safe Details: May Quan Tri</div><div><div><div>Back</div><div>Cost</div><div>Delete Safe</div><div>Refresh</div></div><div><div>Last sign in: 4/9/2024</div><div>Administrator</div></div><div><div>Add Safe</div><div>Customize</div></div></div><div><div><div>Name: May Quan Tri</div><div>Description: May quan tri dai 2-4</div><div>Assigned CPM: PasswordManager</div><div>Shared accounts: Account versions from the last 7 days</div></div><div><div>Members</div><div><div>Add Member</div><table><tr><th>User Name</th><th>Use</th><th>Items</th><th>Last</th><th>Add</th><th>Update</th><th>CPM</th><th>Items</th><th>Delete</th><th>Unblock</th><th>More</th></tr><tr><td>Administrator</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-01</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-02</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-03</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-04</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-05</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-06</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-07</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-08</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-09</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-10</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-11</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-12</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-13</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr></table></div><div><div>Hide predefined users and groups</div></div></div></div></div>	User Name	Use	Items	Last	Add	Update	CPM	Items	Delete	Unblock	More	Administrator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-03	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-04	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-05	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-07	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-09	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
User Name	Use	Items	Last	Add	Update	CPM	Items	Delete	Unblock	More																																																																																																																																																																										
Administrator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-03	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-04	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-05	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-07	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-09	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
	<div><div>Chính sách dành cho người dùng bên ngoài BTC</div><div>Đối với các người dùng không thuộc BTC (nhân sự hỗ trợ, đối tác, contractors...), những người này sẽ đăng nhập vào hệ thống CyberArk bằng tài khoản domain (được cấp phát riêng cho hệ thống PIM) của mình (thông qua giao thức xác thực LDAP).</div></div>	<div><div>Access</div><div><ul style="list-style-type: none"><li>Use accounts</li><li>List accounts</li></ul></div><div>Monitor</div><div><ul style="list-style-type: none"><li>View Safe Members</li></ul></div></div> <div><div>Safe Details: UD01</div><div><div><div>Back</div><div>Cost</div><div>Delete Safe</div><div>Refresh</div></div><div><div>Last sign in: 4/9/2024</div><div>Administrator</div></div><div><div>Add Safe</div><div>Customize</div></div></div><div><div><div>Name: UD01</div><div>Description: Nhóm ứng dụng nghiệp vụ dùng chung ngoài</div><div>Assigned CPM: None</div><div>Shared accounts: Account versions from the last 7 days</div></div><div><div>Members</div><div><div>Add Member</div><table><tr><th>User Name</th><th>Use</th><th>Items</th><th>Last</th><th>Add</th><th>Update</th><th>CPM</th><th>Items</th><th>Delete</th><th>Unblock</th><th>More</th></tr><tr><td>adm-hadm-14</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-15</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-16</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-17</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-18</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>adm-hadm-19</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr></table></div><div><div>Hide predefined users and groups</div></div></div></div></div>	User Name	Use	Items	Last	Add	Update	CPM	Items	Delete	Unblock	More	adm-hadm-14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	adm-hadm-19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																					
User Name	Use	Items	Last	Add	Update	CPM	Items	Delete	Unblock	More																																																																																																																																																																										
adm-hadm-14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										
adm-hadm-19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																																																																																																																										



## 2.3 ĐÁNH GIÁ CÁC VẤN ĐỀ KHÁC

STT	Nội dung kiểm tra	Tiêu chí đánh giá	Kết quả	Khuyến nghị
1. Kiểm tra thông tin các lỗi ghi nhận trong quá trình vận hành				
1.1	Các lỗi ghi nhận trong quá trình vận hành	<ul style="list-style-type: none"> <li>Lỗi không change được mật khẩu trên các máy user local</li> </ul>  <ul style="list-style-type: none"> <li>Nhiều account bị báo đỏ</li> </ul>	<ul style="list-style-type: none"> <li>Đã mở case với hãng và fix lỗi</li> <li>Rà soát và xóa bỏ 1 số account không còn dùng nữa</li> </ul>	

Account view

Last sign-in: 4/8/2024 | Administrator

Filter 192.2

Add hoc connectionAdd account↻

68 results for: 192.2., ⓘ Additional details & actions in classic interface

☆	Status	Username	Address	Platform ID	Safe ↑	Access request	
☆	⚠️	pim-user04	10.192.2.246	MOF_WindowsServerL...	May Quan Tri	-	Connect ▾ ⋮
☆	⚠️	pim-user05	10.192.2.246	MOF_WindowsServerL...	May Quan Tri	-	Connect ▾ ⋮
☆	⚠️	PIM-user01	10.192.2.250	MOF_WindowsServerL...	May Quan Tri	-	Connect ▾ ⋮
☆	⚠️	Administrator	10.192.2.211	MOF_WindowsServerL...	May Quan tri Nhom N.L.	-	Connect ▾ ⋮
☆	⚠️	PIM-enayquantri-thang	10.192.2.215	MOF_WindowsServerL...	May Quan tri Nhom N.L.	-	Connect ▾ ⋮
☆	⚠️	pim-local-2	10.192.2.234	MOF_WindowsServerL...	May Quan tri Nhom N.L.	-	Connect ▾ ⋮
☆	⚠️	PIM-user01	10.192.2.201	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮
☆	⚠️	PIM-user02	10.192.2.201	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮
☆	⚠️	PIM-user03	10.192.2.201	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮
☆	⚠️	PIM-user04	10.192.2.201	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮
☆	⚠️	PIM-user05	10.192.2.201	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮
☆	⚠️	pim-z28-02	10.192.2.228	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮
☆	🔍	PIM-QTR-CSDL_2-01	10.192.2.228	MOF_WindowsServerL...	MaychuCSDL-Windows	-	Connect ▾ ⋮

### 3 KẾT LUẬN VÀ ĐỀ XUẤT

Hệ thống quản lý tài khoản đặc quyền PIM – CyberArk tại Cục tin học và Thống kê tài chính hiện tại đã được rà soát với các kết quả chi tiết như trên, qua đó HPT đưa ra kết luận và một số đề xuất sau:

Hệ thống hoạt động bình thường sau khi nâng cấp, các thông số cài đặt, cấu hình chính xác.

Các vấn đề cần khắc phục:

- Trên máy chủ Vault: xóa bớt các dữ liệu file log trên phân vùng ổ E
- Trên máy chủ DR:
  - Xóa bớt các dữ liệu file log trên phân vùng ổ E để giảm tải dung lượng cho phân vùng ổ (Không ảnh hưởng đến hoạt động của hệ thống)
- Trên máy chủ Backup PIM-BackupSrv.vpbtc.mof.vn: xóa bớt các dữ liệu file log trên phân vùng ổ E
- Bổ sung License trên máy chủ Vault để đáp ứng nhu cầu mở rộng hệ thống

<div>ĐẠI DIỆN</div> <div>KHÁCH HÀNG</div>	<div>ĐẠI DIỆN</div> <div>CÔNG TY CỔ PHẦN DỊCH VỤ CÔNG NGHỆ TIN HỌC HPT</div>