

# **Huawei Storage and Veritas EV Interoperability Test Report**



Acondistec GmbH (Germany)

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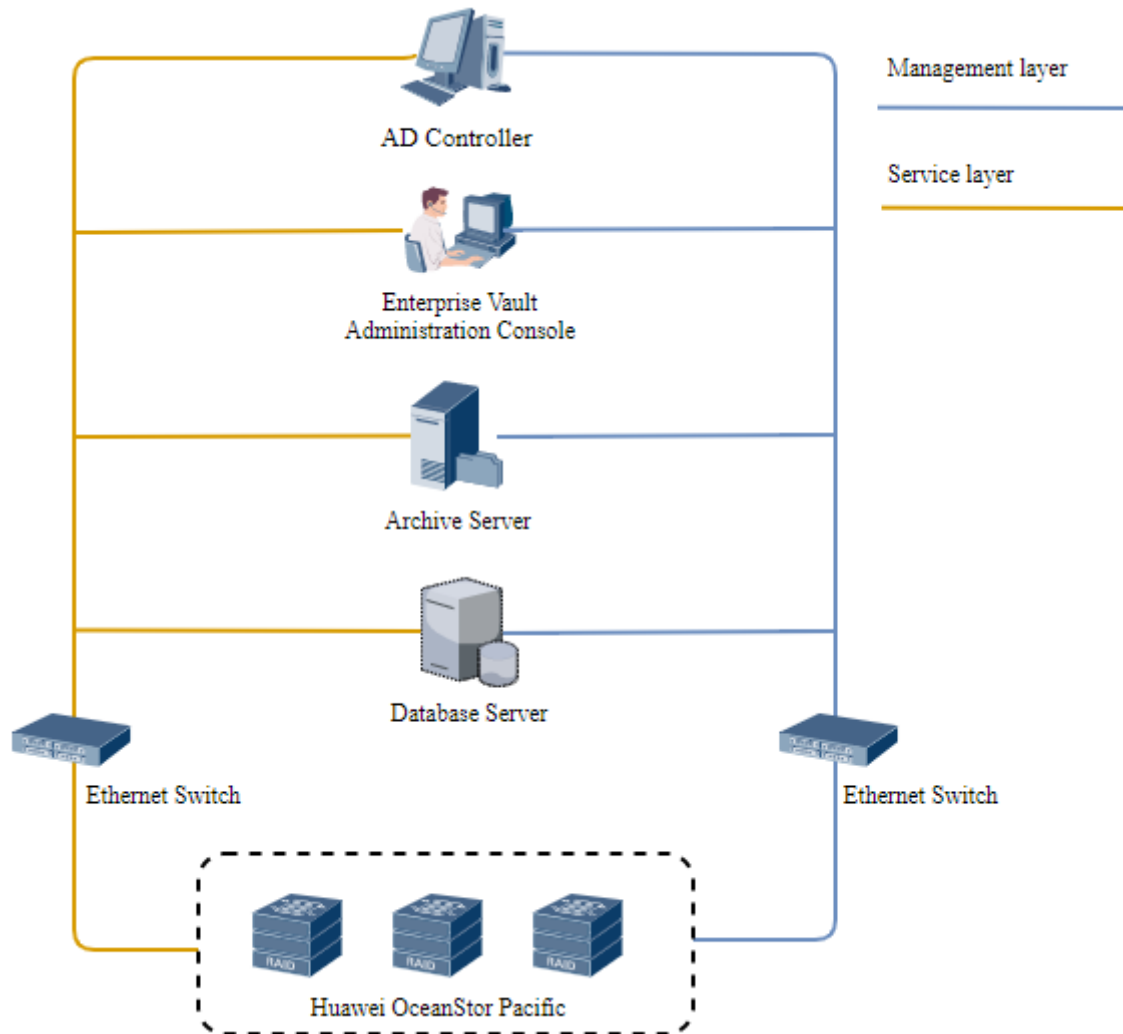
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# 1 Environment Configuration

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## 1.1 Networking diagram

Figure 1.1 Huawei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking



**Networking description:**

The management network and service network are connected to the AD controller, Archive server, Database Server and Huawei OceanStor Pacific Storage through switches.

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## 1.2 Hardware and software configuration

### 1.2.1 Storage Configuration

Table 1-1 Huawei storage configuration table

Name	Model	Version	Quantity
Storage	Hua wei OceanStor Pacific 9950	8.1.3	1

### 1.2.2 Matching Hardware Configuration

Table 1-2 Hardware Configuration

Name	description	Quantity
AD Controller	Create the Vault Service account	1
Archive Server	Install the Enterprise Vault and as Windows file server.	1
Data base Server	Install the SQL server and hold the configuration information for Enterprise Vault	1
Ethernet switch	Hua wei 6855 10GE Network Switch. 10GE network switch on the Hua wei OceanStor Pacific Archive service plane	2

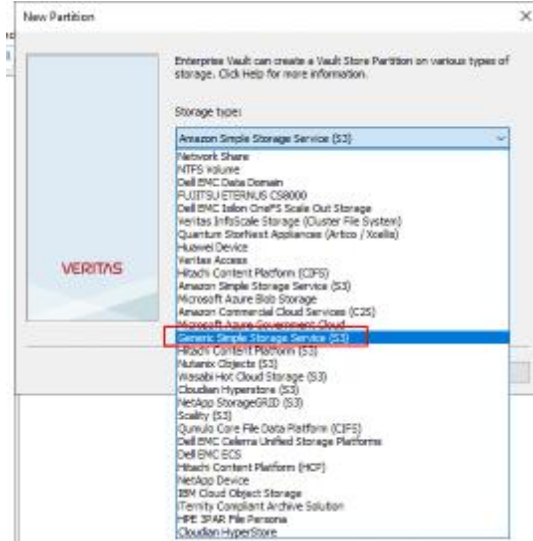
### 1.2.3 Test software and tools

Table 1-3 Test Software and Tool List

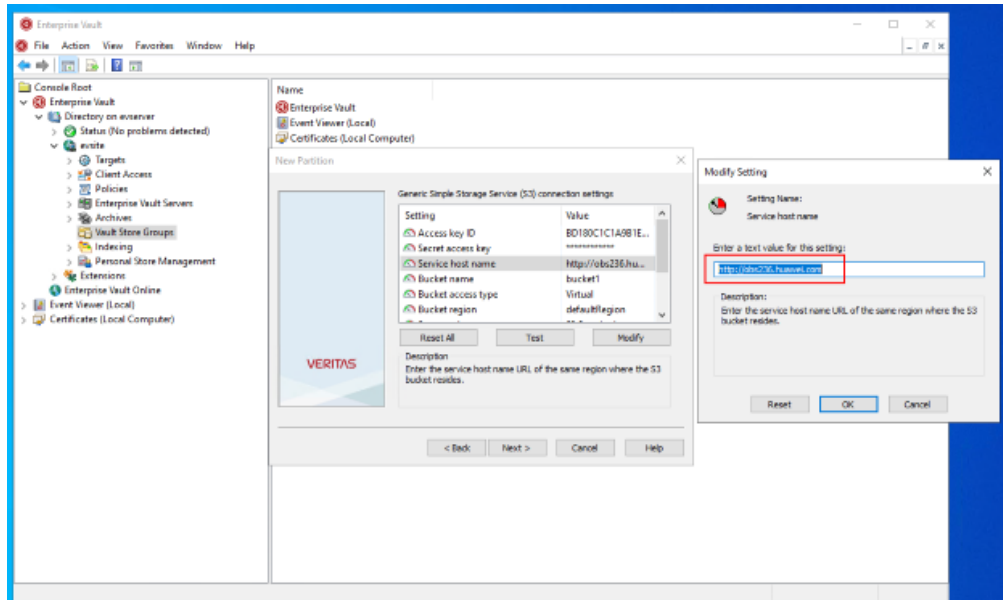
Software Name	description	Quantity
Enterprise Vault 14.3	Set up Enterprise Vault File System Archiving (FSA) to archive files	1
SQL Server 2019	Setup database for Enterprise Vault	1
Windows Server 2019	Setup operation system for AD controller, Archive Server and Data base Server.	3

## 2 Verifying OceanStor Pacific Interconnection with EV

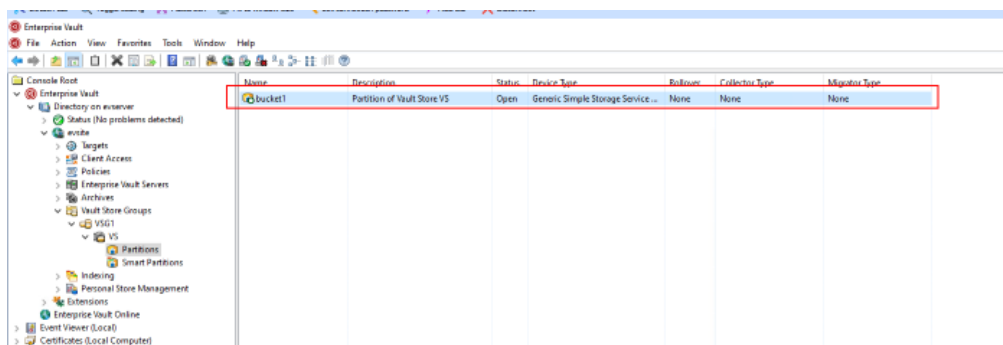
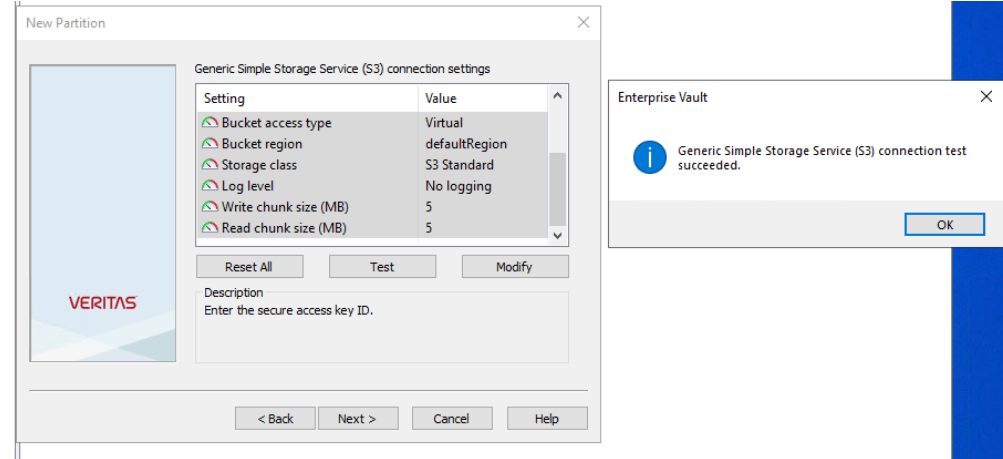
### 2.1 Adding an S3 Bucket as Partition (Primary Storage) through HTTP protocol

<b>Test Purpose</b>	Adding an S3 Bucket as Partition (Primary Storage) through HTTP protocol
<b>Test Networking</b>	Huawei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The Vault Store Group has been created on the EV.</li> <li>5. The Vault Store has been created on the EV.</li> </ol>
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Right Click on <b>Vault Store</b> in the VAC. Select <b>New Partition</b>, create a new Vault Store Partition</li> <li>2. Select storage type “<b>Generic Simple Storage Service(S3)</b>”</li> <li>3. Enter the AK, SK, Service host name (enter IP address or hostname, e.g. <a href="http://hostname">http://hostname</a>), Bucket name, Bucket region (defaultRegion), select Bucket access type(Path/Virtual), others can be default</li> <li>4. Test the connection and complete the configuration</li> </ol>
<b>Expected Result</b>	<ol style="list-style-type: none"> <li>1. In step 3, the connection is tested successfully.</li> <li>2. In step 4, the Partition is created successfully.</li> </ol>
<b>Test Results</b>	<ol style="list-style-type: none"> <li>1. Right Click on <b>Vault Store</b> in the VAC. Select <b>New Partition</b>, create a new Vault Store Partition</li> <li>2. Select storage type “<b>Generic Simple Storage Service(S3)</b>”</li> </ol> 

3. Enter the AK, SK, Service hostname (enter IP address or hostname, e.g. <http://hostname>) , Bucket name, Bucket region (defaultRegion) , select Bucket access type(Path/Virtual), others can be default



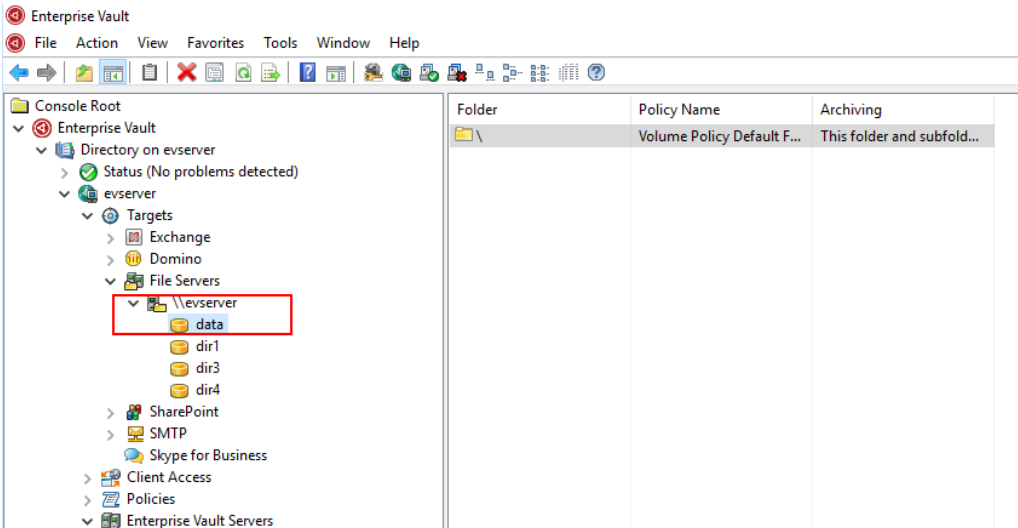
4. Test the connection and complete the configuration



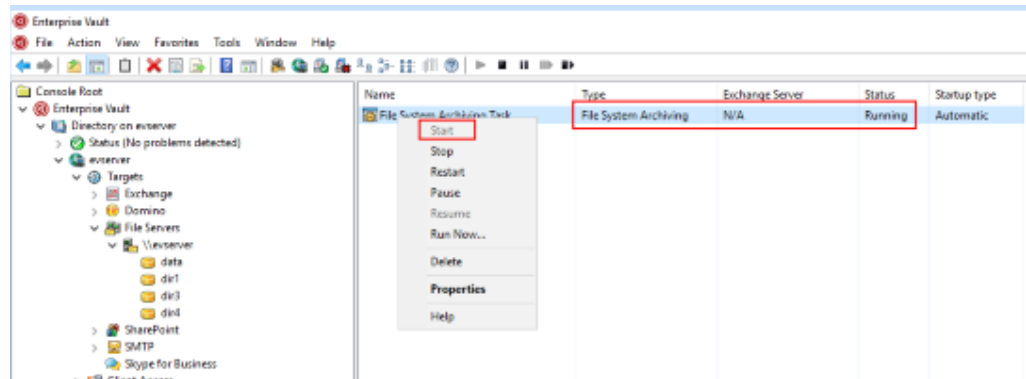
Test Conclusion

PASS

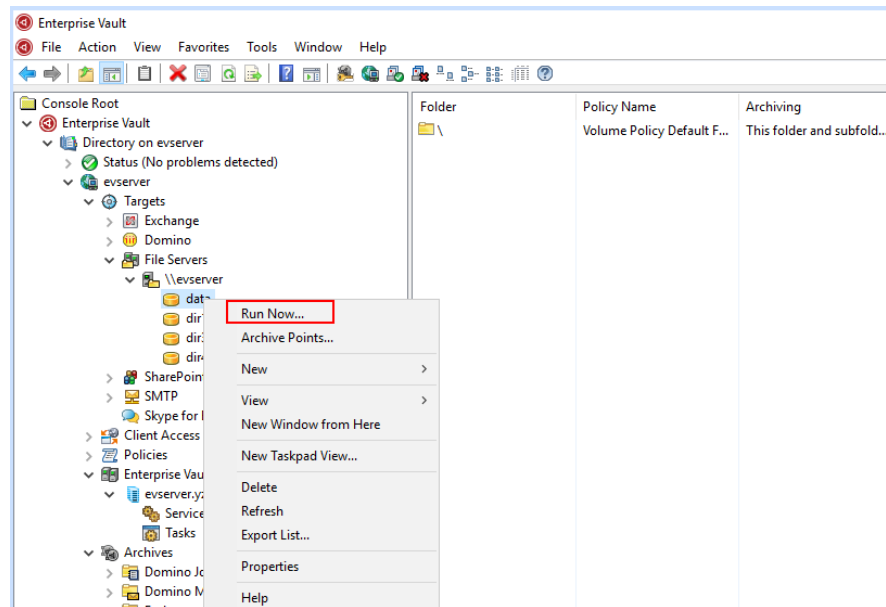
## 2.2 Archiving the files to the Partition (Primary Storage)

<b>Test Purpose</b>	Archiving the files to the Partition (Primary Storage)
<b>Test Networking</b>	Hua wei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The S3 bucket has been add as Partition in section 2.1</li> <li>5. The FSA archiving policies has been configured, and the type of shortcut has been configured as Internet shortcuts</li> </ol>
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Add the New Volumes and Volume Folders for Enterprise Vault search Archiving</li> <li>2. Complete the Archiving Targets configuration and Start the Enterprise Vault search Archiving Task</li> <li>3. Select the Archiving Targets and execute “Run Now” in normal mode</li> <li>4. After the Archiving is completed, verify that the report lists all the files contained in the archive set and that the archive status of each file is Archived; check that the documents in the archive set have changed to Internet Shortcuts</li> <li>5. After the Archiving is completed, check if the archive set is uploaded to the S3 bucket</li> </ol>
<b>Expected Result</b>	<ol style="list-style-type: none"> <li>1. In step 4, in the report, the archive status of each file is Archived.</li> <li>2. In step 4, all the archive set have changed to Internet Shortcuts</li> <li>3. In step 5, the archive set is uploaded to the S3 bucket.</li> </ol>
<b>Test Results</b>	<ol style="list-style-type: none"> <li>1. Add the New Volumes and Volume Folders for Enterprise Vault search Archiving</li> </ol> 

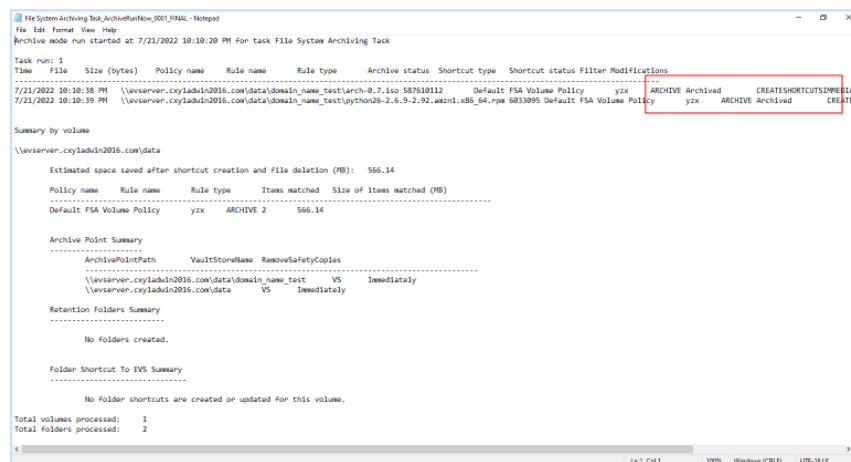
2. Complete the Archiving Targets configuration and Start the Enterprise Vault search ArchivingTask



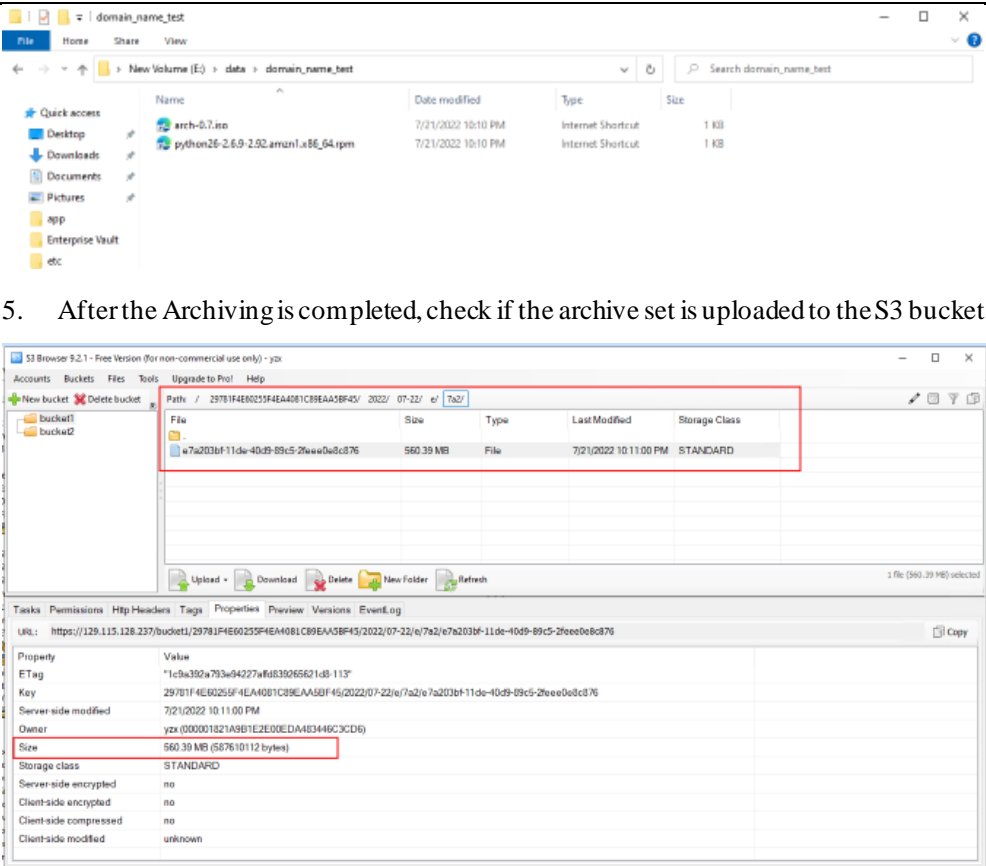
3. Select the Archiving Targets and execute "Run Now" in normal mode



4. After the Archiving is completed, verify that the report lists all the files contained in the archive set and that the archive status of each file is Archived; check that the documents in the archive set have changed to Internet Shortcuts





	 <p>5. After the Archiving is completed, check if the archive set is uploaded to the S3 bucket</p>
<b>Test Conclusion</b>	PASS

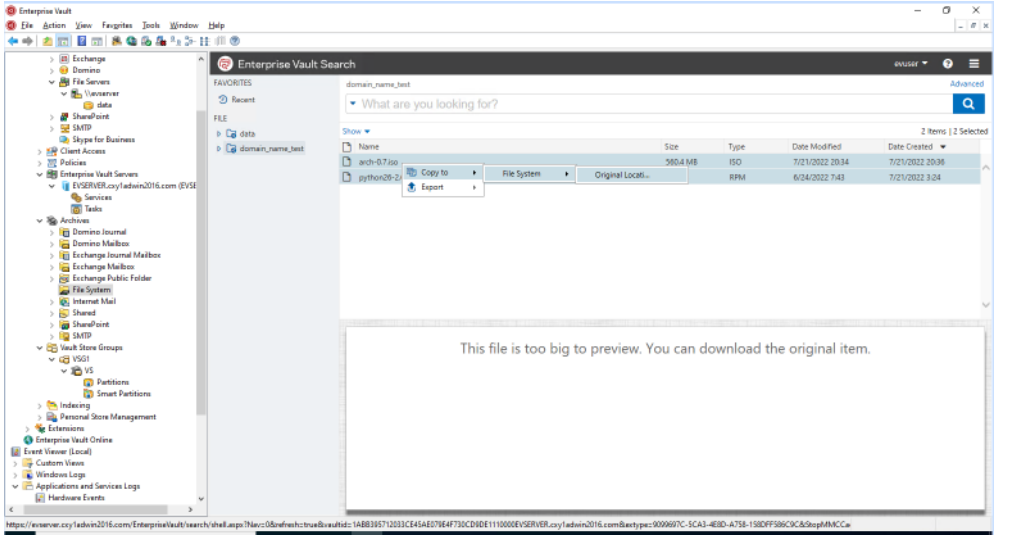
### 2.3 Retrieving archived file via Enterprise Vault Search (Primary Storage)

<b>Test Purpose</b>	Retrieving archived file via Enterprise Vault Search (Primary Storage)
<b>Test Networking</b>	Hua wei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The configuration has been completed</li> <li>5. Archiving in section 2.2 has been performed.</li> </ol>
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. In the VAC, Select Archives -&gt;File System -&gt;Right-click on file -&gt;Search -&gt;Enterprise Vault Search GUI.</li> <li>2. Select archived file and Right-click -&gt;select Copy to File System-&gt;Original Location.</li> <li>3. Perform retrieve and observe.</li> </ol>
<b>Expected Result</b>	<ol style="list-style-type: none"> <li>1. In step 2, the Archived file can be identified and displayed from the Enterprise Vault</li> </ol>

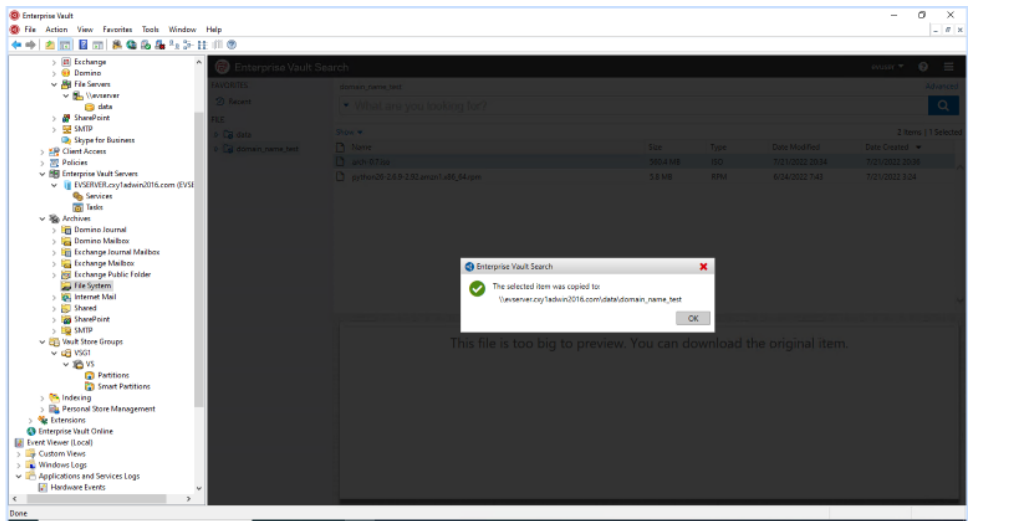
Search  
2. In step 3, the retrieve is successful and the files are consistent.

Test Results

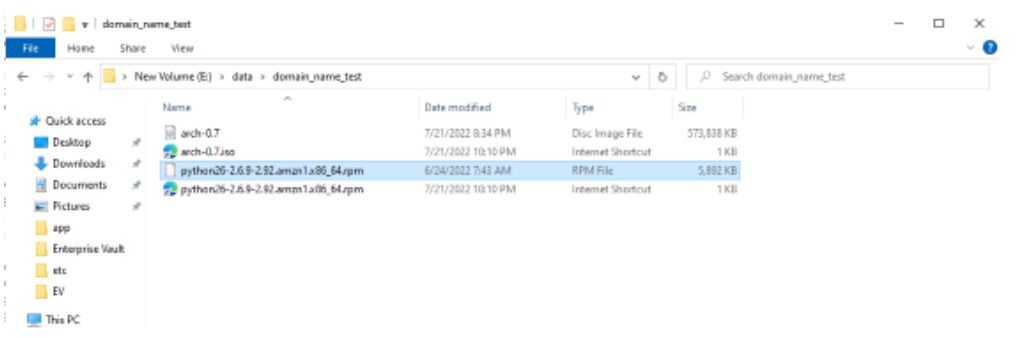
1. In the VAC, Select Archives ->File System ->Right-click on file ->Search ->Enterprise Vault Search GUI.



2. Select an archived file and Right-click ->select Copy to File System->Original Location.



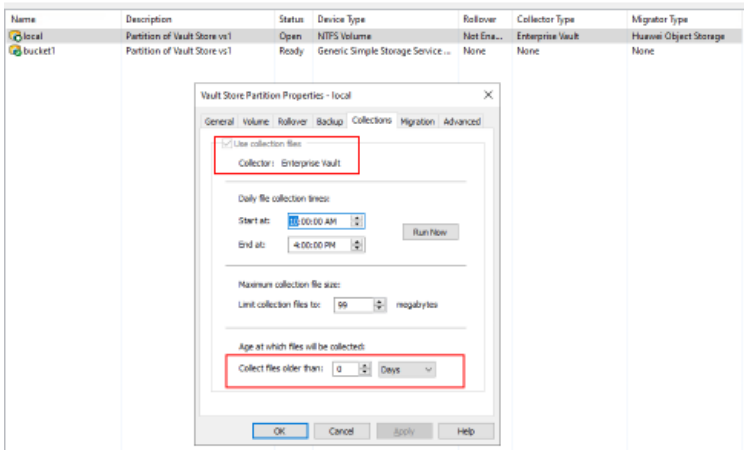
3. Perform retrieve and observe.



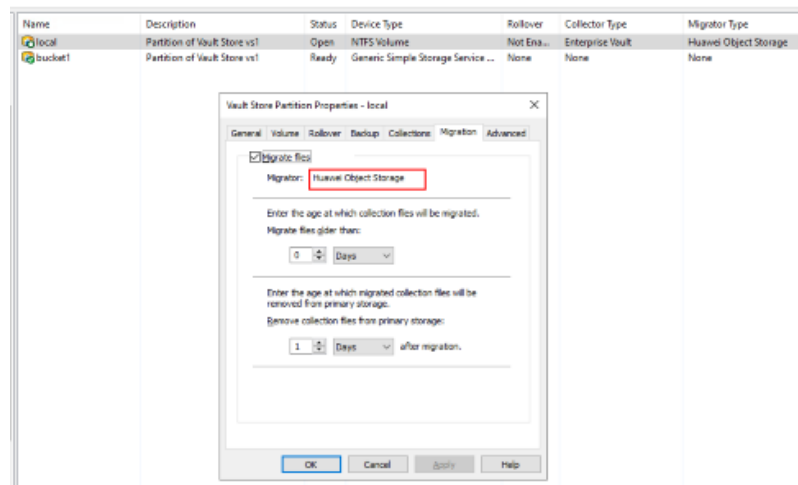
Test Conclusion

PASS

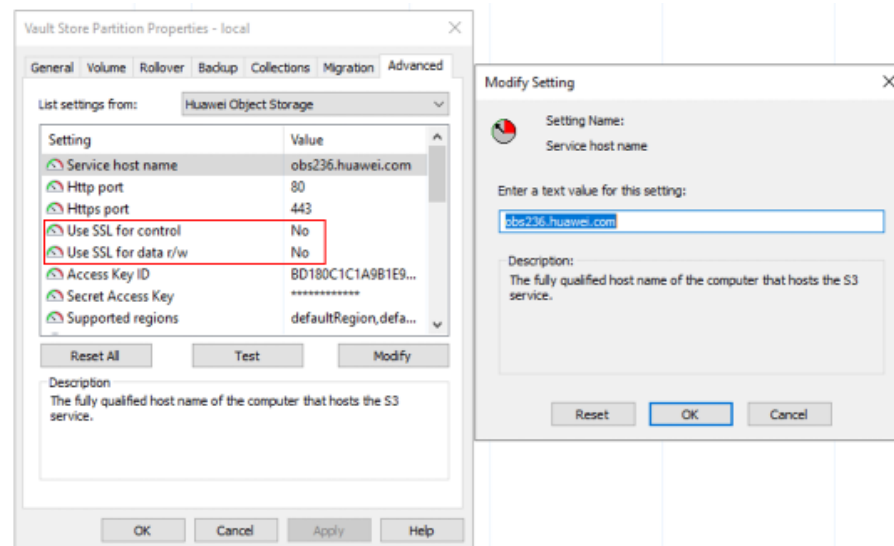
## 2.4 Adding an S3 Bucket as Partition (Secondary Storage) through HTTP protocol

<b>Test Purpose</b>	Adding an S3 Bucket as Partition (Secondary Storage) through HTTP protocol
<b>Test Networking</b>	Huawei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The Vault Store Group has been created on the EV.</li> <li>5. The Vault Store has been created on the EV.</li> <li>6. The Primary Storage has been created on the EV.</li> </ol>
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Select Primary Storage and right-click to modify the properties</li> <li>2. Configure the Collections : select Collector “Enterprise Vault”, configure the value of “Max collection file size” and the time of “Age at which files will be collected”</li> <li>3. Configure the Migration : select Migrator “Huawei Object Storage(S3) API”, configure the time of “Migrate files older than” and “Remove collection files from primary storage”</li> <li>4. Configure the Advanced : select <b>No</b> for "Use SSL for control" and "Use SSL for data r/w", Enter the Service host name (enter IP address or hostname), AK, SK, Supported regions (e.g. defaultRegion, defaultRegion, obs.huawei.com), Bucket name, Bucket region (defaultRegion) ,select Bucket access type (Path/Virtual), others can be default</li> <li>5. Test the connection and complete the configuration</li> </ol>
<b>Expected Result</b>	<ol style="list-style-type: none"> <li>1. In step 4, the connection test succeeded.</li> <li>2. In step 5, the Partition create succeeded.</li> </ol>
<b>Test Results</b>	<ol style="list-style-type: none"> <li>1. Select Primary Storage and right-click to modify the properties</li> <li>2. Configure the Collections : select Collector “Enterprise Vault”, configure the value of “Max collection file size” and the time of “Age at which files will be collected”</li> </ol> 

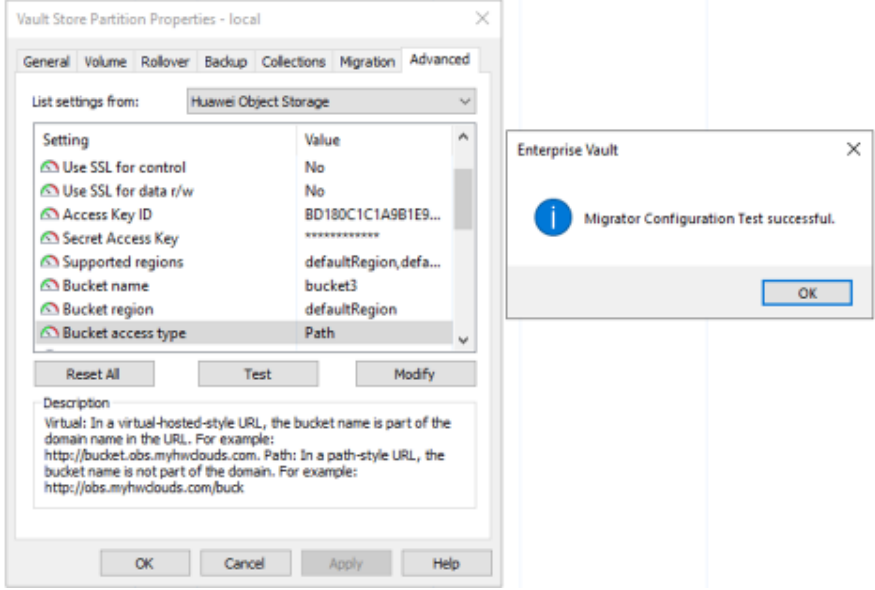
3. Configure the Migration: select Migrator as "Huawei Object Storage(S3) API", configure the time of "Migrate files older than" and "Remove collection files from primary storage"



4. Configure the Advanced: select No for "Use SSL for control" and "Use SSL for data r/w", Enter the Service host name (enter IP address or hostname), AK, SK, Supported regions (e.g. defaultRegion, defaultRegion, obs.huawei.com), Bucket name, Bucket region (defaultRegion), select Bucket access type (Path/Virtual), others can be default



5. Test the connection and complete the configuration

	 <p>The screenshot shows the 'Vault Store Partition Properties - local' dialog box with the 'Advanced' tab selected. The 'List settings from:' dropdown is set to 'Huawei Object Storage'. The settings table is as follows:</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Use SSL for control</td> <td>No</td> </tr> <tr> <td>Use SSL for data r/w</td> <td>No</td> </tr> <tr> <td>Access Key ID</td> <td>BD180C1C1A9B1E9...</td> </tr> <tr> <td>Secret Access Key</td> <td>*****</td> </tr> <tr> <td>Supported regions</td> <td>defaultRegion, defa...</td> </tr> <tr> <td>Bucket name</td> <td>bucket3</td> </tr> <tr> <td>Bucket region</td> <td>defaultRegion</td> </tr> <tr> <td>Bucket access type</td> <td>Path</td> </tr> </tbody> </table> <p>Buttons: Reset All, Test, Modify, OK, Cancel, Apply, Help.</p> <p>Description:  Virtual: In a virtual-hosted-style URL, the bucket name is part of the domain name in the URL. For example: http://bucket.obs.myhwclouds.com. Path: In a path-style URL, the bucket name is not part of the domain. For example: http://obs.myhwclouds.com/buck</p> <p>Enterprise Vault dialog box: Migrator Configuration Test successful. OK</p>	Setting	Value	Use SSL for control	No	Use SSL for data r/w	No	Access Key ID	BD180C1C1A9B1E9...	Secret Access Key	*****	Supported regions	defaultRegion, defa...	Bucket name	bucket3	Bucket region	defaultRegion	Bucket access type	Path
Setting	Value																		
Use SSL for control	No																		
Use SSL for data r/w	No																		
Access Key ID	BD180C1C1A9B1E9...																		
Secret Access Key	*****																		
Supported regions	defaultRegion, defa...																		
Bucket name	bucket3																		
Bucket region	defaultRegion																		
Bucket access type	Path																		
<b>Test Conclusion</b>	PASS																		

## 2.5 Migrating the archived files to the Partition (Secondary Storage)

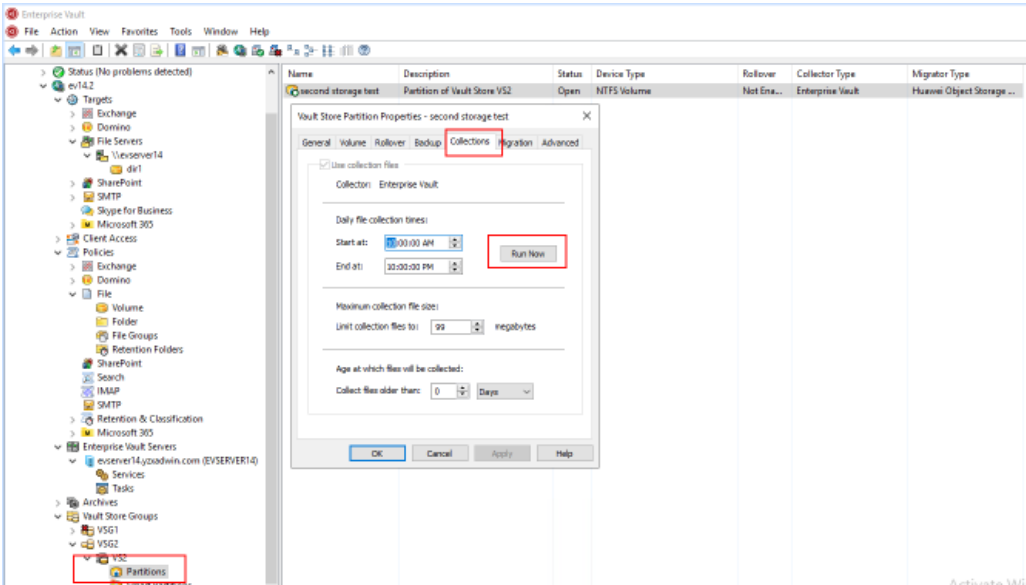
<b>Test Purpose</b>	Migrating the archived files to the Partition (Secondary Storage)
<b>Test Networking</b>	Hua wei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The files have been archived to the Primary Storage</li> <li>5. The S3 bucket has been add as Secondary Storage</li> </ol>
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Double-click on the partition, Select the Collections tab and click <b>Run Now</b> to collect archived file on Primary Storage</li> <li>2. Check the event log that the collection run has completed successfully</li> <li>3. Browse to the partition and verify that all the DVS* files are present in the newly created CAB files, and all the DVF* files are present in their original location</li> <li>4. Select the Migration tab and set “Migrate files older than” to 0 day, select the Collections tab and click Run Now to migrate Archived Data to Secondary Storage</li> <li>5. Browse to the partition and verify that each original DVF* file has been renamed to ARCHDVF* on the primary storage device, and each original DVFCC* file has been renamed to ARCHDVFCC* on the primary storage device.</li> <li>6. Check that the files have been migrated to the secondary storage system</li> </ol>

**Expected Result**

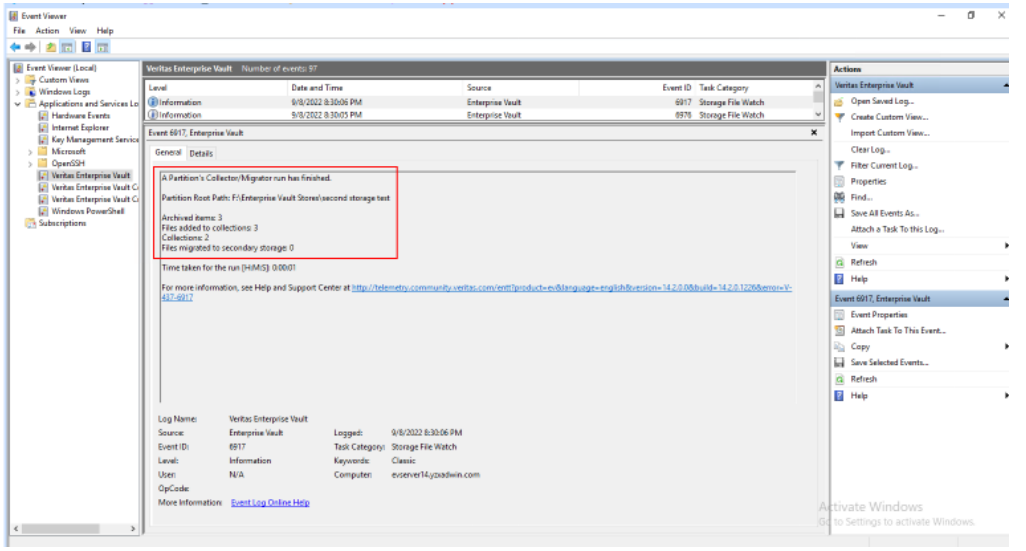
- In step 3, all the DVS\* files are present in the newly created CAB files, and all the DVF\* files are present in their original location.
- In step 5, each original DVF\* file has been renamed to ARCHDVF\* on the primary storage device, and each original DVFCC\* file has been renamed to ARCHDVFCC\* on the primary storage device
- In step 6, the files have been migrated to the S3 bucket.

**Test Results**

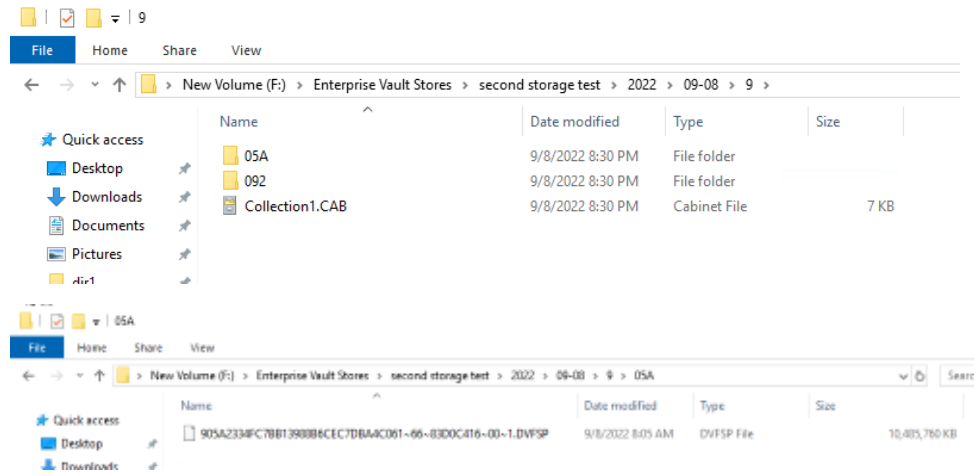
- Double-click on the partition, Select the Collections tab and click **Run Now** to collect archived file on Primary Storage



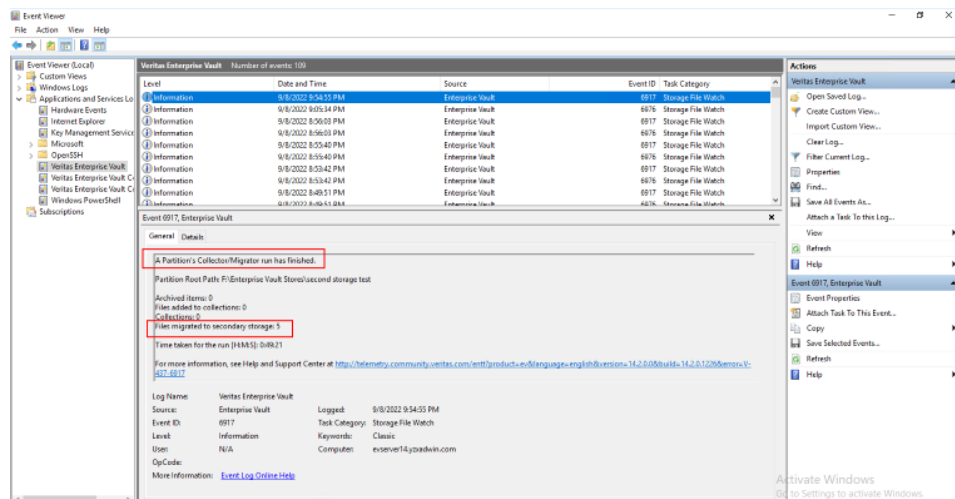
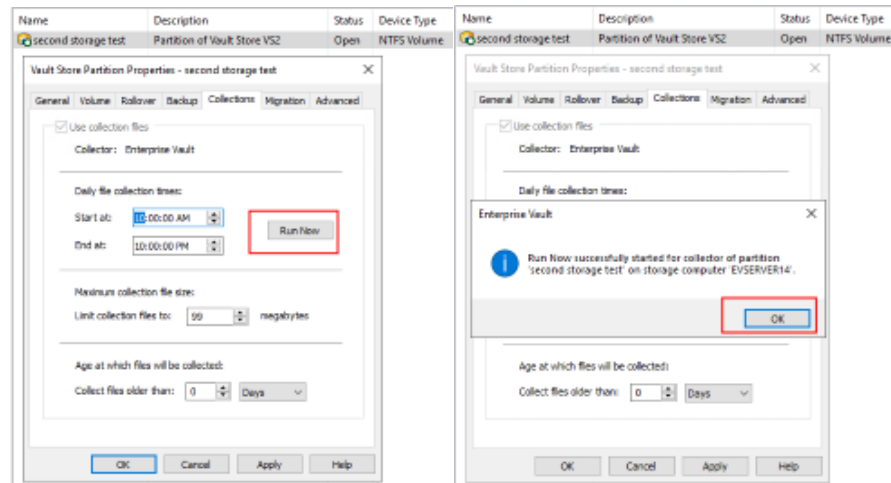
- Check the event log that the collection run has completed successfully



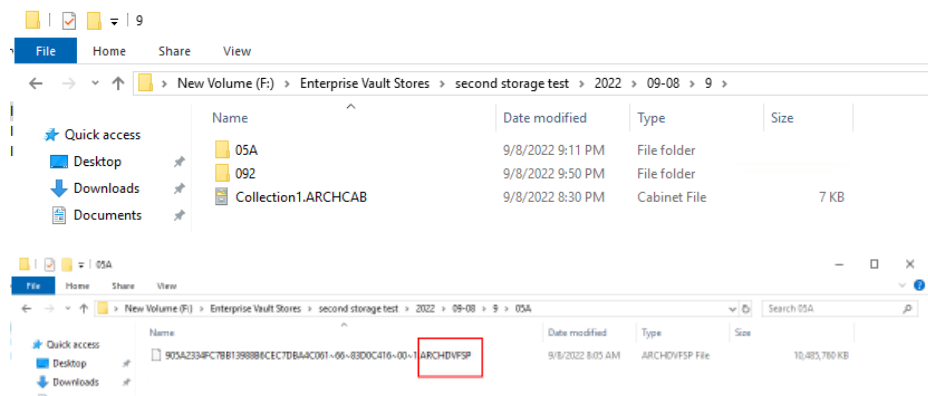
3. Browse to the partition and verify that all the DVS\* files are present in the newly created CAB files, and all the DVF\* files are present in their original location



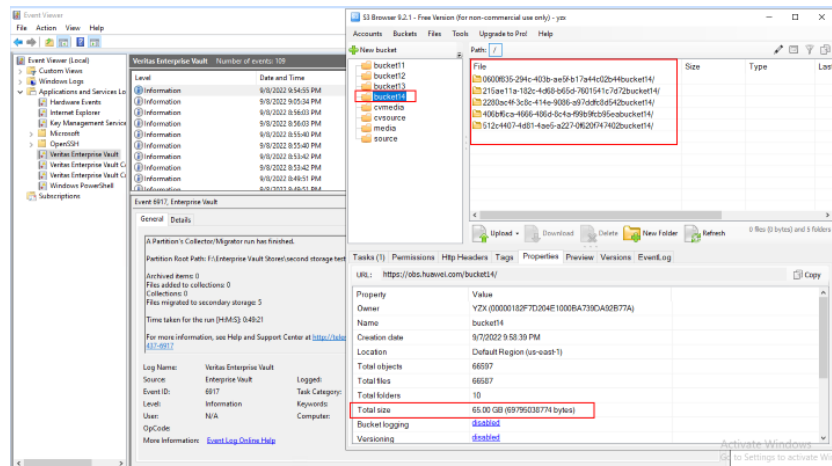
4. Select the Migration tab and set “Migrate files older than” to 0 day, select the Collections tab and click Run Now to migrate Archived Data to Secondary Storage



5. Browse to the partition and verify that each original DVF\* file has been renamed to ARCHDVF\* on the primary storage device, and each original DVFCC\* file has been renamed to ARCHDVFCC\* on the primary storage device.



6. Check that the files have been migrated to the secondary storage system

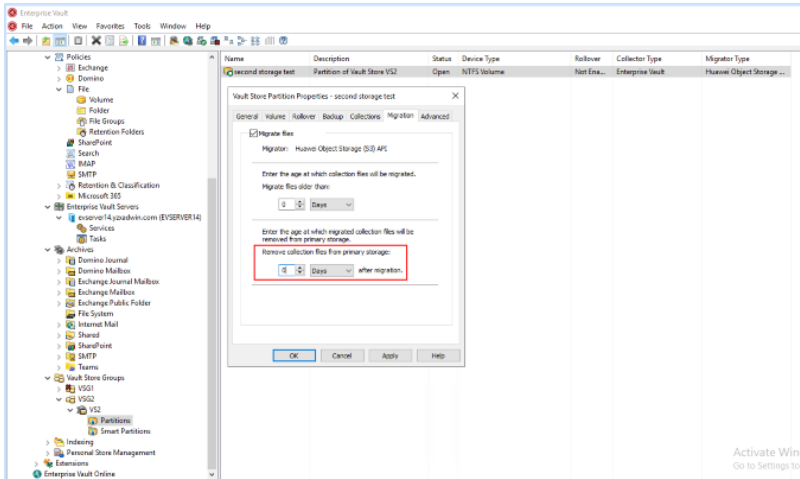
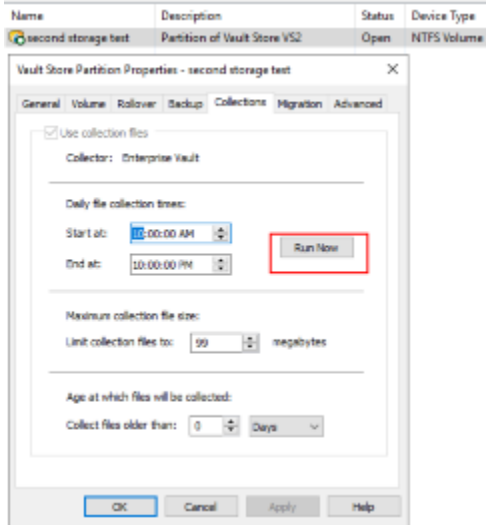


<b>Test Conclusion</b>	PASS
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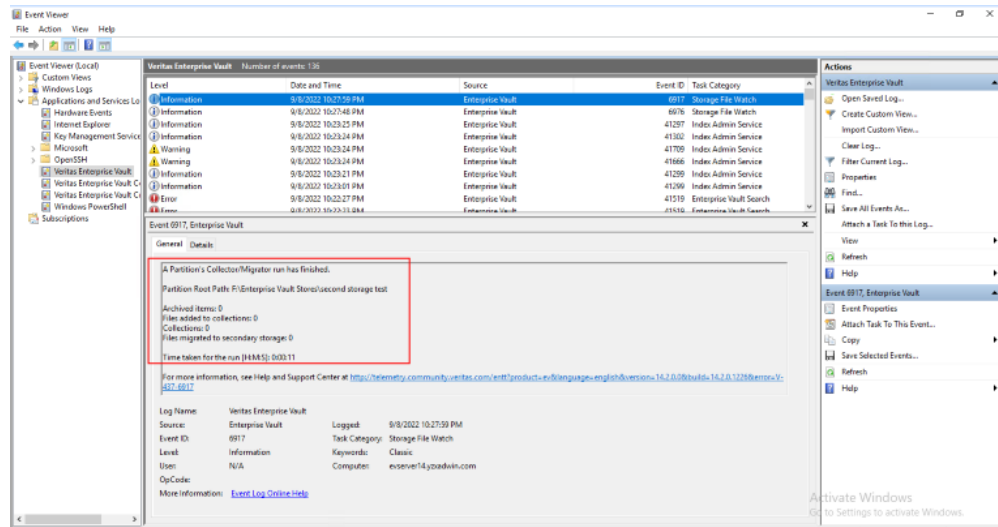
## 2.6 Retrieving archived file via Enterprise Vault search from Secondary Storage

<b>Test Purpose</b>	Retrieving archived file via Enterprise Vault search from Secondary Storage
<b>Test Networking</b>	Hua wei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>The configuration has been completed.</li> <li>Migrating in section 2.5 has been performed.</li> </ol>

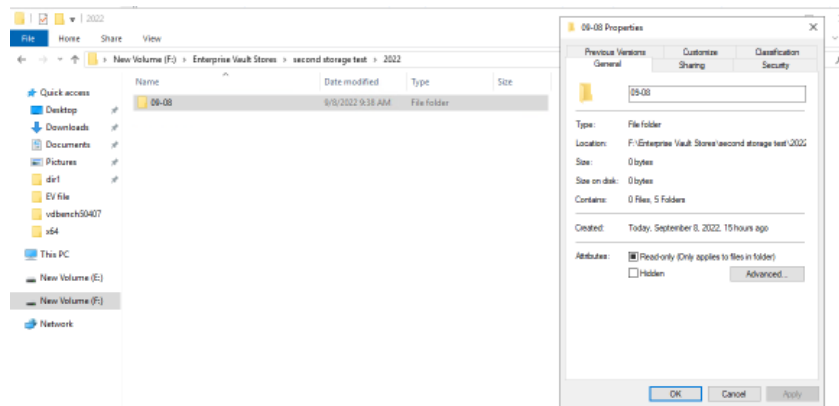


<p><b>Test Procedure</b></p>	<ol style="list-style-type: none"> <li>1. In the Migration tab, set “Remove collection files from primary storage” to 0 day, and select the Collections tab and click <b>Run Now</b> to remove Archived Data from primary storage</li> <li>2. Check the event log that the collection run has completed successfully</li> <li>3. Browse to the partition and verify that all ARCHCAB and ARCHDVF* files have been removed from primary storage</li> <li>4. In the VAC, Select Archives -&gt;File System -&gt; Right-click on file -&gt;Search -&gt;Enterprise Vault Search GUI</li> <li>5. Select files from the Enterprise Vault Search, Right-click and select Copy to File System -&gt; Original Location.</li> <li>6. Perform retrieve and observe.</li> </ol>
<p><b>Expected Result</b></p>	<ol style="list-style-type: none"> <li>1. In step 3, all ARCHCAB and ARCHDVF* files have been removed from primary storage</li> <li>2. In step 4, the Archived file can be identified and displayed from the Enterprise Vault Search</li> <li>3. In step 6, the document exists in the original location and can be opened without error</li> <li>4. In step 6, an ARCHDVS file is created on the primary storage partition</li> </ol>
<p><b>Test Results</b></p>	<ol style="list-style-type: none"> <li>1. In the Migration tab, set “Remove collection files from primary storage” to 0 day, and select the Collections tab and click <b>Run Now</b> to remove Archived Data from primary storage</li> </ol>  

2. Check the event log that the collection run has completed successfully

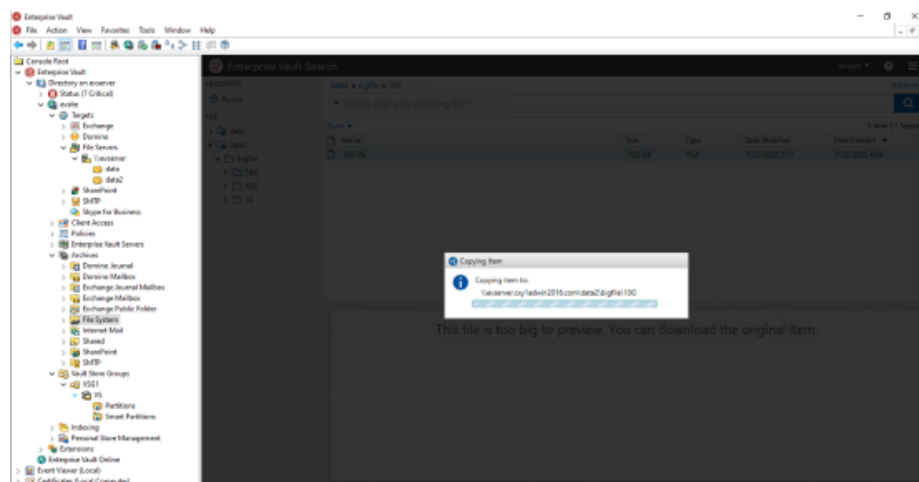


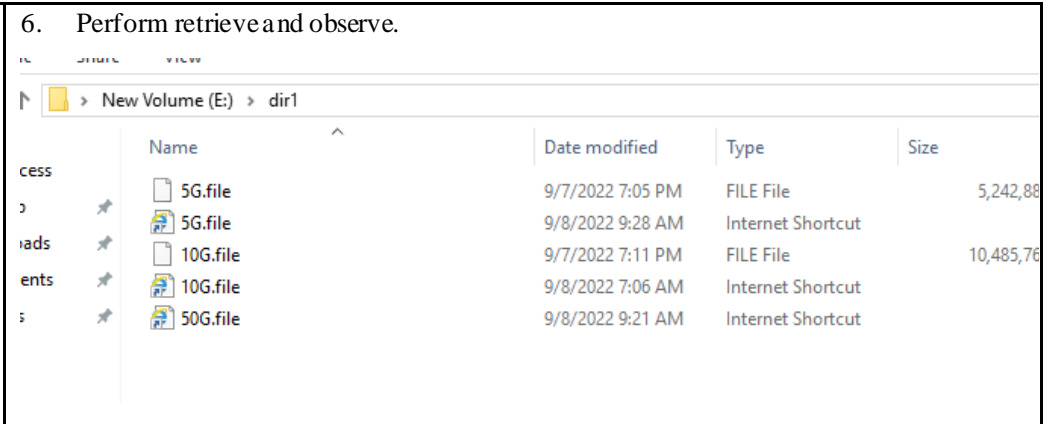
3. Browse to the partition and verify that all ARCHCAB and ARCHDVF\* files have been removed from primary storage



4. In the VAC, Select Archives ->File System -> Right-click on file ->Search -> Enterprise Vault Search GUI

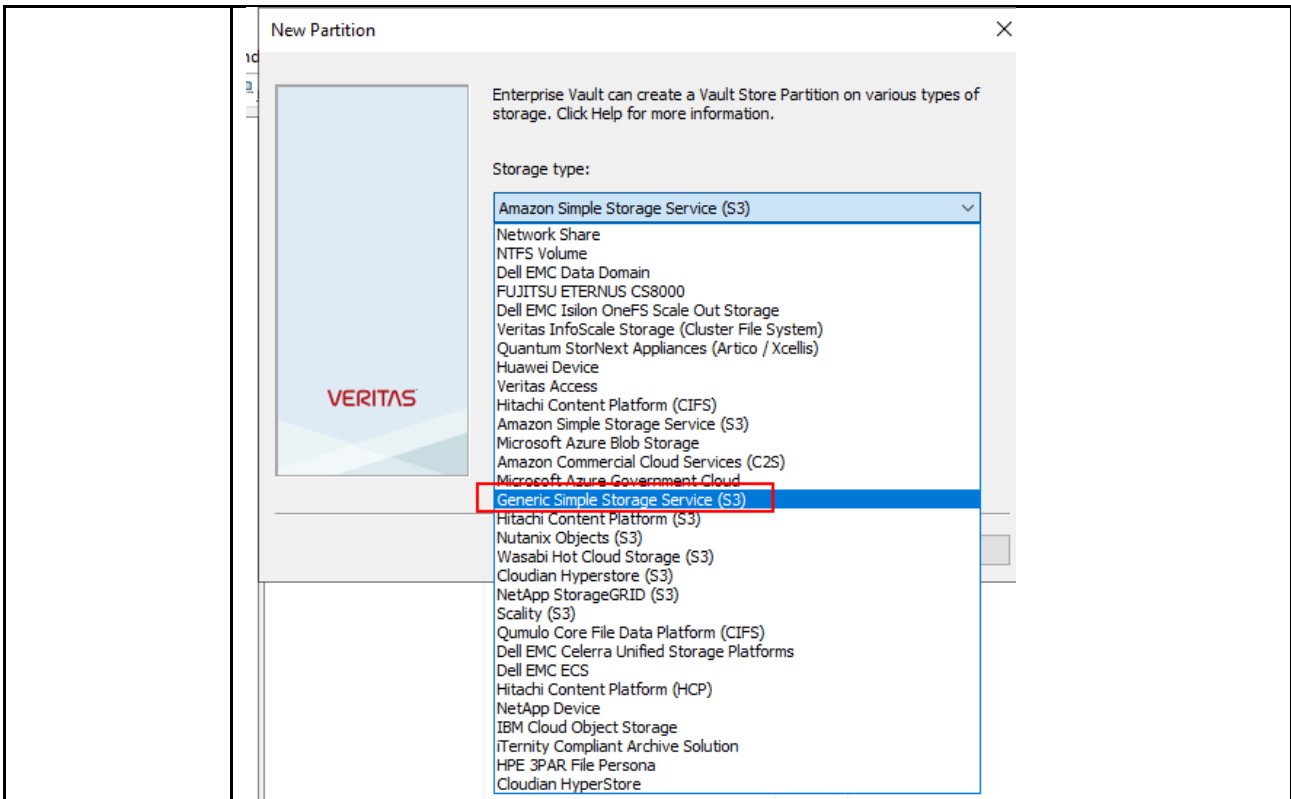
5. Select files from the Enterprise Vault Search, Right-click and select Copy to File System -> Original Location.



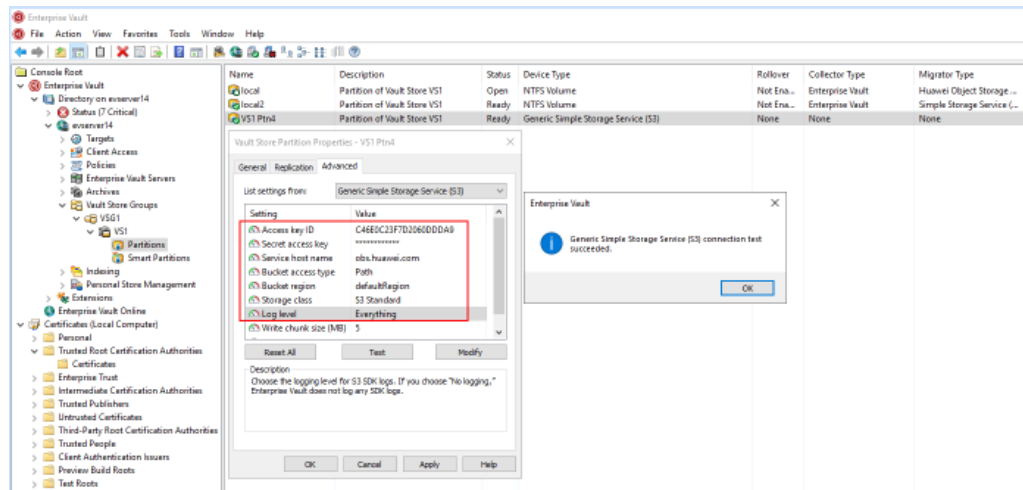
	<p>6. Perform retrieve and observe.</p>  <table border="1" data-bbox="416 336 1468 645"> <thead> <tr> <th>Name</th> <th>Date modified</th> <th>Type</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>5G.file</td> <td>9/7/2022 7:05 PM</td> <td>FILE File</td> <td>5,242,88</td> </tr> <tr> <td>5G.file</td> <td>9/8/2022 9:28 AM</td> <td>Internet Shortcut</td> <td></td> </tr> <tr> <td>10G.file</td> <td>9/7/2022 7:11 PM</td> <td>FILE File</td> <td>10,485,76</td> </tr> <tr> <td>10G.file</td> <td>9/8/2022 7:06 AM</td> <td>Internet Shortcut</td> <td></td> </tr> <tr> <td>50G.file</td> <td>9/8/2022 9:21 AM</td> <td>Internet Shortcut</td> <td></td> </tr> </tbody> </table>	Name	Date modified	Type	Size	5G.file	9/7/2022 7:05 PM	FILE File	5,242,88	5G.file	9/8/2022 9:28 AM	Internet Shortcut		10G.file	9/7/2022 7:11 PM	FILE File	10,485,76	10G.file	9/8/2022 7:06 AM	Internet Shortcut		50G.file	9/8/2022 9:21 AM	Internet Shortcut	
Name	Date modified	Type	Size																						
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10G.file	9/8/2022 7:06 AM	Internet Shortcut																							
50G.file	9/8/2022 9:21 AM	Internet Shortcut																							
<b>Test Conclusion</b>	PASS																								

## 2.7 Adding an S3 Bucket as Partition (Primary Storage) through HTTPS protocol

<b>Test Purpose</b>	Adding an S3 Bucket as Partition (Primary Storage) through HTTPS protocol
<b>Test Networking</b>	Hua wei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The Huawei Root CA has been imported to the EV (Required for HTTPS)</li> <li>5. The Vault Store Group has been created on the EV.</li> <li>6. The Vault Store has been created on the EV.</li> </ol>
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Right Click on Vault Store in the VAC. Select New Partition , create a new Vault Store Partition</li> <li>2. Select storage type “Generic Simple Storage Service(S3)”</li> <li>3. Enter the AK, SK, Service host name, Bucket name, Bucket region (defaultRegion) ,select Bucket access type(Path), others can be default</li> <li>4. Test the connection and complete the configuration</li> </ol>
<b>Expected Result</b>	<ol style="list-style-type: none"> <li>1. In step 3, the connection test succeeded.</li> <li>2. In step 4, the Partition create succeeded.</li> </ol>
<b>Test Results</b>	<ol style="list-style-type: none"> <li>1. Right Click on Vault Store in the VAC. Select New Partition , create a new Vault Store Partition</li> <li>2. Select storage type “Generic Simple Storage Service(S3)”</li> </ol>



3. Enter the AK, SK, Service host name, Bucket name, Bucket region (defaultRegion) ,select Bucket access type(Path), others can be default

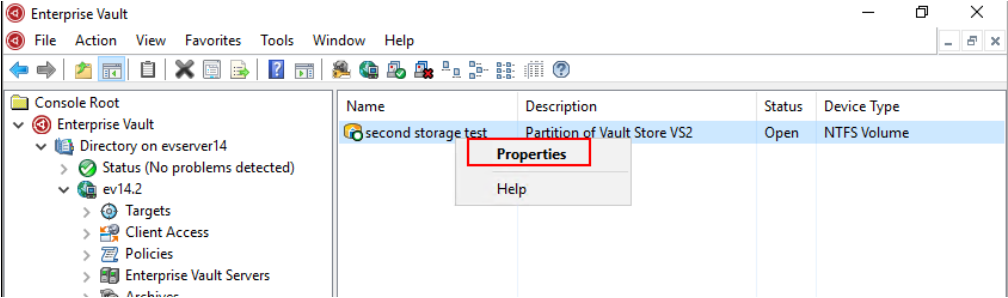


4. Test the connection and complete the configuration

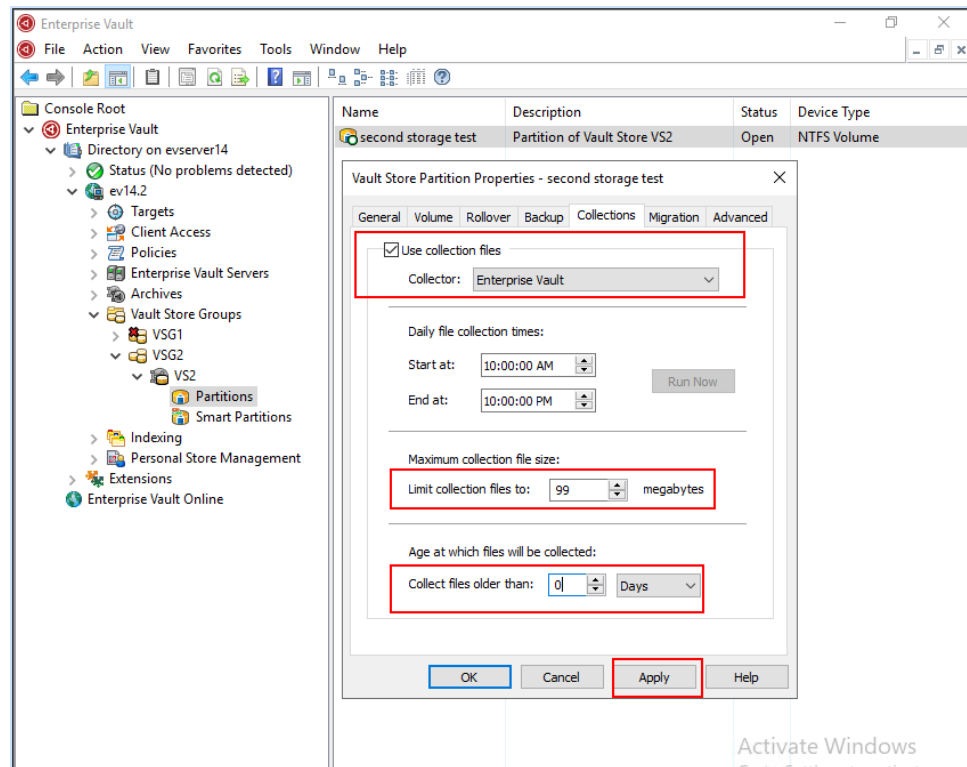
<b>Test Conclusion</b>	PASS
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## 2.8 Adding an S3 Bucket as Partition (Secondary Storage) through HTTPS protocol

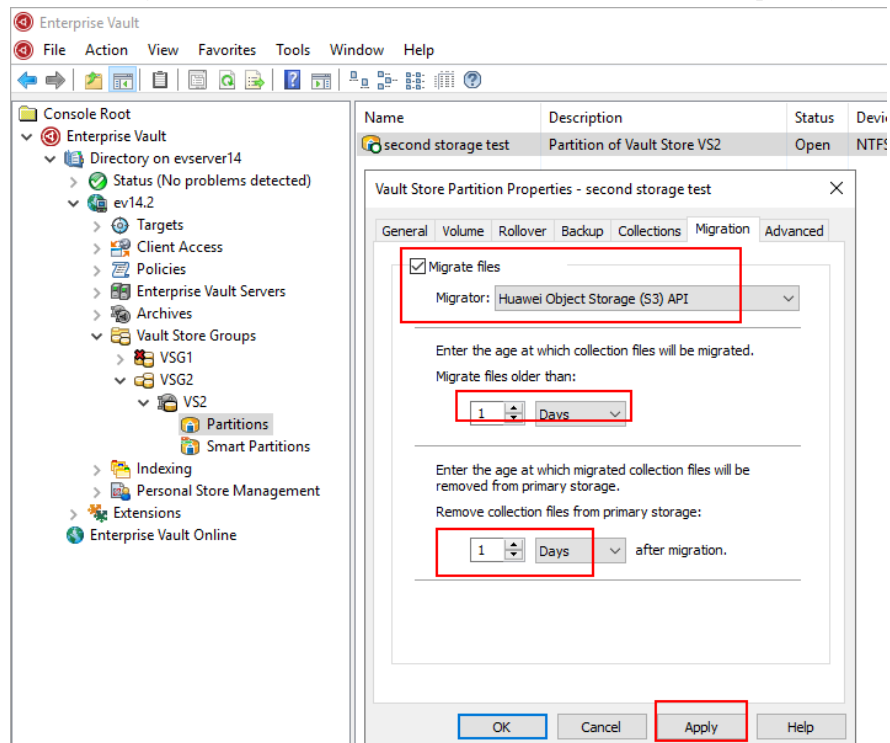
<b>Test Purpose</b>	Adding an S3 Bucket as Partition (Secondary Storage) through HTTPS protocol
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<b>Test Networking</b>	Huawei OceanStor Pacific Storage and Veritas Enterprise Vault Test Networking								
<b>Prerequisites</b>	<ol style="list-style-type: none"> <li>1. Storage devices, Enterprise Vault server, SQL Server, AD controller deployment and networking have been completed.</li> <li>2. The storage devices have been configured successfully. S3 related services (including accounts, access certificates, security certificates, and service networks)</li> <li>3. The namespace of the S3 account has been configured on the storage devices and the object protocol has been enabled.</li> <li>4. The Huawei Root CA has been appended to the EV cacert.pem (Required for HTTPS) .</li> <li>5. The Vault Store Group has been created on the EV.</li> <li>6. The Vault Store has been created on the EV.</li> <li>7. The Primary Storage has been created on the EV.</li> </ol>								
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Select Primary Storage and right-click to modify the properties</li> <li>2. Configure the Collections : select Collector “Enterprise Vault”, configure the value of “Max collection file size” and the time of “Age at which files will be collected”</li> <li>3. Configure the Migration : select Migrator “Huawei Object Storage(S3) API”, configure the time of “Migrate files older than” and “Remove collection files from primary storage”</li> <li>4. Configure the Advanced: Enter the Service host name, AK, SK, Supported regions (e.g defaultRegion, defaultRegion, obs.huawei.com), Bucket name, Bucket region (defaultRegion) , select Bucket access type (Path), others can be default</li> <li>5. Test the connection and complete the configuration</li> </ol>								
<b>Expected Result</b>	<ol style="list-style-type: none"> <li>1. In step 4, the connection test succeeded.</li> <li>2. In step 5, the Partition create succeeded.</li> </ol>								
<b>Test Results</b>	<ol style="list-style-type: none"> <li>1. Select Primary Storage and right-click to modify the properties</li> </ol>  <p>The screenshot shows the Enterprise Vault console interface. On the left, a tree view shows the hierarchy: Console Root &gt; Enterprise Vault &gt; Directory on evserver14 &gt; Status (No problems detected) &gt; ev14.2 &gt; Enterprise Vault Servers. The main pane displays a table with the following data:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> <th>Status</th> <th>Device Type</th> </tr> </thead> <tbody> <tr> <td>second storage test</td> <td>Partition of Vault Store VS2</td> <td>Open</td> <td>NTFS Volume</td> </tr> </tbody> </table> <p>A context menu is open over the selected row, with 'Properties' highlighted in red.</p>	Name	Description	Status	Device Type	second storage test	Partition of Vault Store VS2	Open	NTFS Volume
Name	Description	Status	Device Type						
second storage test	Partition of Vault Store VS2	Open	NTFS Volume						

2. Configure the Collections : select Collector “Enterprise Vault”, configure the value of “Max collection file size” and the time of “Age at which files will be collected”

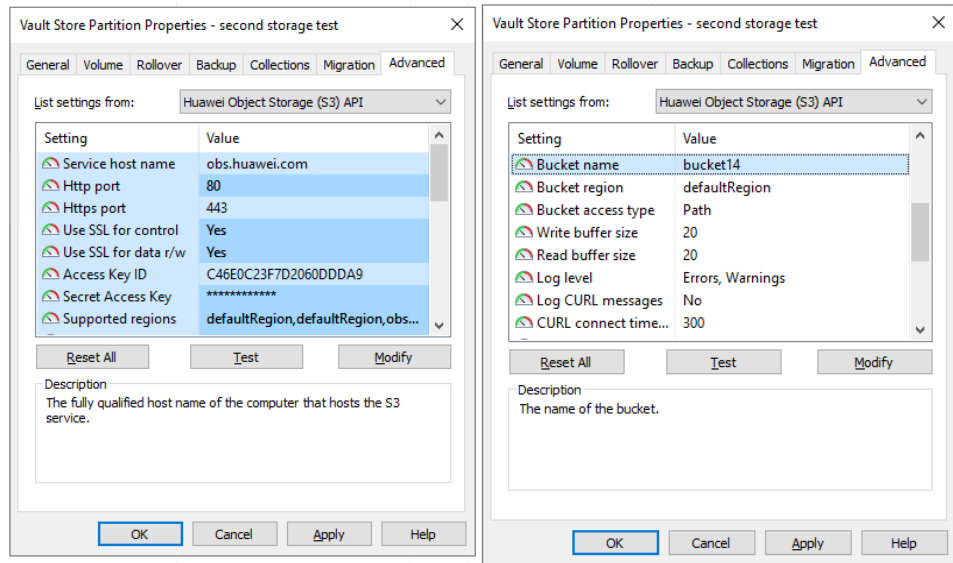


3. Configure the Migration : select Migrator “Huawei Object Storage(S3) API”, configure the time of “Migrate files older than” and “Remove collection files from primary storage”

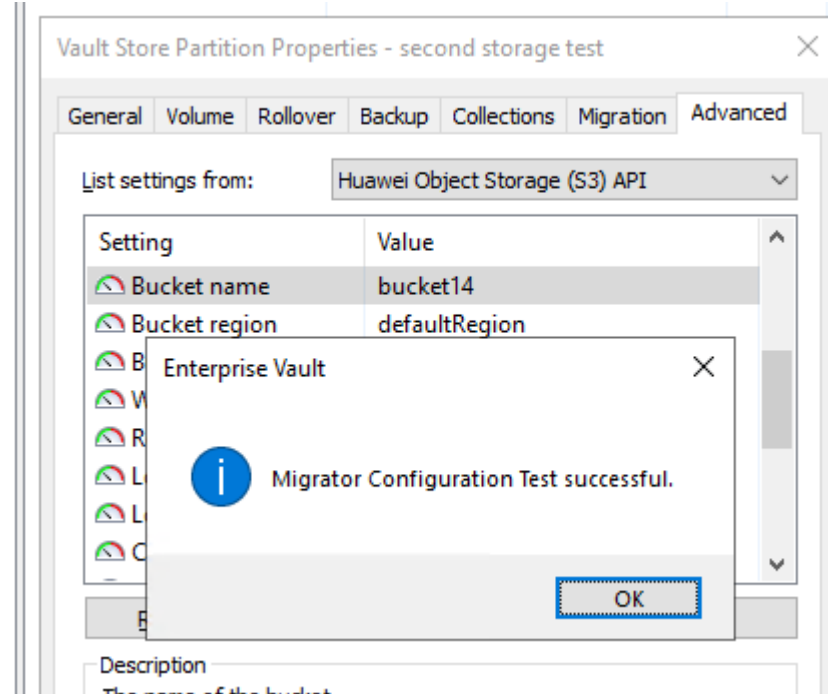


4. Configure the Advanced: Enter the Service host name, AK, SK, Supported regions (e.g

defaultRegion, defaultRegion, obs.huawei.com), Bucket name, Bucket region (defaultRegion) , select Bucket a ccess type (Path), others can be default



5. Test the connection and complete the configuration



**Test Conclusion**

PASS

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## 3 Overview of Test Cases

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### 3.1 Result Summary

Number	Test Cases	Results
1	Adding an S3 Bucket as Partition (Primary Storage) through HTTP protocol	PASS
2	Archiving the files to the Partition (Primary Storage)	PASS
3	Retrieving archived file via Enterprise Vault Search (Primary Storage)	PASS
4	Adding an S3 Bucket as Partition (Secondary Storage) through HTTP protocol	PASS
5	Migrating the archived files to the Partition (Secondary Storage)	PASS
6	Retrieving archived file via Enterprise Vault search from Secondary Storage	PASS
7	Adding an S3 Bucket as Partition (Primary Storage) through HTTPS protocol	PASS
8	Adding an S3 Bucket as Partition (Secondary Storage) through HTTPS protocol	PASS

### 3.2 Conclusion

All the interoperability test cases were successfully completed. Huawei OceanStor Pacific Storage supports to connect to Veritas Enterprise Vault through S3 protocol as primary or secondary storage. The system works as expected for both file archiving and retrieving. With regards to the test results, Huawei OceanStor Pacific Storage and Veritas Enterprise Vault are well interoperable.

### 3.3 Signature

Company Name: Acondistec GmbH
Signature: 
Date: 31.01.2023