

VMware Standard Restore

<https://campus.barracuda.com/doc/73700304/>

Applicable Products

These instructions apply to the following products:

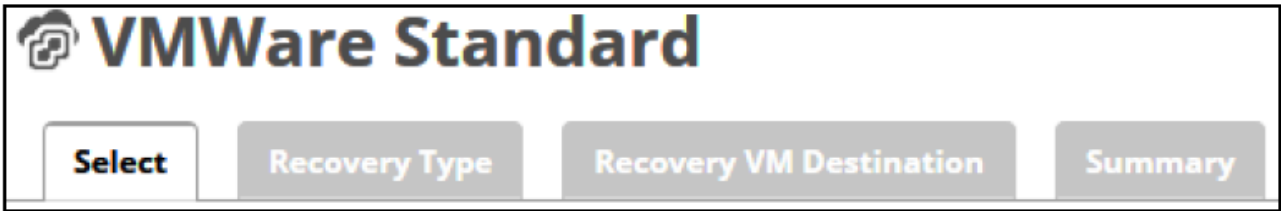
- Barracuda Intronis Backup - MSP

Overview

With VMware Standard restores, you can perform the following actions:

- Restore VMs locally or from the cloud
- Restore VMs in a sandboxed test mode or production mode
- Choose to start the VMs automatically upon restore or not

VMware Standard Restore Tabs



The following table provides a description of the page.

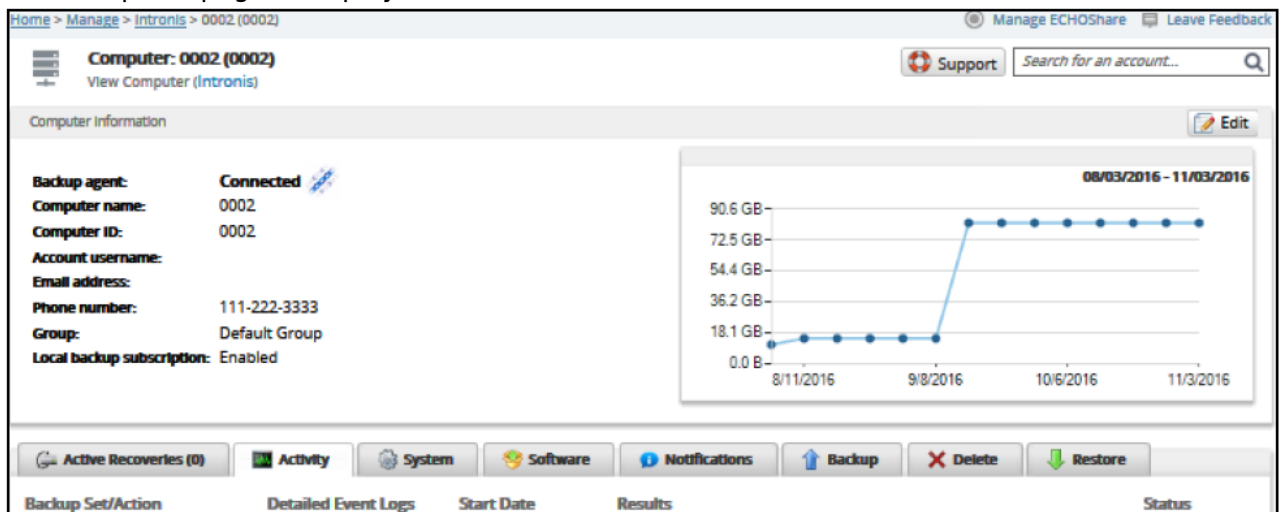
Page	Description
Select	Select at least one available VM to restore.

Recovery Type	Select how to verify and recover your data to the restore destination. <ul style="list-style-type: none"> • Sandboxed Test Recovery is a non-destructive means for you to verify the integrity of your backed-up VMs without affecting normal business operation. Your production VMs remain powered on and operational. The selected recovery VMs are powered on within an isolated VLAN. • Production Recovery performs an instant recovery of your production VMs with selected recovery VMs. If the production VM is still running, it is shut down before powering up the recovery VMs. When enabled, Auto Start starts the VMs automatically upon restore.
Recovery VM Destination	You are required to select a Destination Host and Datastore of the recovery VM for each selected VM source. The Resource Pool and VM Folder selections are optional, but you must select the None option.
Summary	A list of your selections is displayed.






Restoring VMware Standard Backup Sets

To restore a VMware Standard backup set, perform the following steps.

1. Navigate to the Computer page.
The Computer page is displayed.



2. Click the **Restore** tab.
The Restore Selections page is displayed.

Restore Selections			
Viewing Original Catalog			
Backed Up Data Type	Type	Status	Completed
 Files and Folders	 Files and Folders	0 Item(s) Restored	01/04/2017 @ 12:43 PM
 VMware Standard			
 VMware QuickSpin			
 Physical Imaging			



- Click the restore icon of the backup type you want to restore.
The Select page is displayed

Restore

VMware Standard

Select Recovery Type Recovery VM Destination Summary

What VMware Standard VM(s) Would You Like To Restore?
Select from the available revisions and/or VMs to restore

Select Your Revisions and/or VM(s):

Current selection:

☐ [Data] KP_Recovery_1_Recovery

Select the items on the left you want to restore.

Next >

Cancel Restore

- In the Current Selection pane, select the VMs and revisions to be restored.

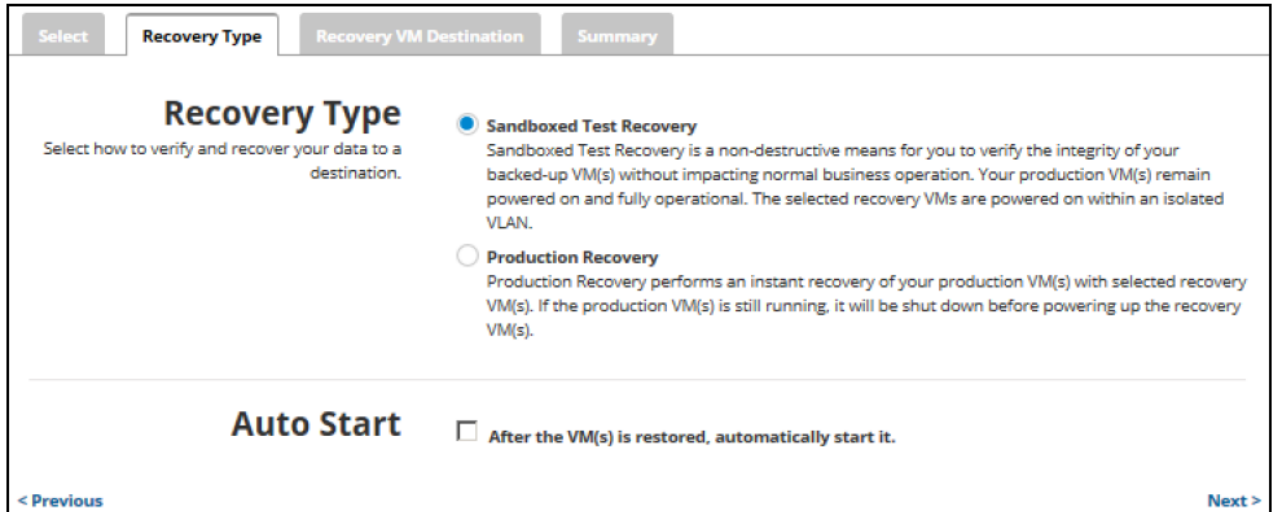


Clicking the arrow at the right of the VM displays more revisions of the VM.

Your selection is displayed in the right pane. Click the remove icon to remove any selections, or clear the item check box.



- After making your selections, click **Next**.
The Recovery Type page is displayed.



Recovery Type

Select how to verify and recover your data to a destination.

☒ **Sandboxed Test Recovery**
Sandboxed Test Recovery is a non-destructive means for you to verify the integrity of your backed-up VM(s) without impacting normal business operation. Your production VM(s) remain powered on and fully operational. The selected recovery VMs are powered on within an isolated VLAN.

☐ **Production Recovery**
Production Recovery performs an instant recovery of your production VM(s) with selected recovery VM(s). If the production VM(s) is still running, it will be shut down before powering up the recovery VM(s).

Auto Start ☐ After the VM(s) is restored, automatically start it.

[< Previous](#) [Next >](#)

6. Select a Restore type radio button.

If you select **Sandboxed Test Recovery** (default option):

- The source/production VMs are not shut down.
- The recovery VMs selected are started on their own separate VLAN to avoid conflicts with the production VMs.

If you select **Production Recovery**:

- The source/production VMs are shut down (if available).
- The recovery VMs selected are started on the production network. They assume the role of the original production VMs.

7. Optionally, select the **After the VM(s) is restored, automatically start it** check box, and then click **Next**.

The Recovery VM Destination page is displayed.



Select

Recovery Type

Recovery VM Destination

Summary

Where Would You Like to Direct Your Recovery VM Destination?
Select Destination Host, Resource Pool, VM Folder & Datastore of each VM below. Completed configurations are denoted with a ✓ after them.

Virtual Machine/VM(s)	Source Host IP	Destination Host	Resource Pool	VM Folder	Datastore	✓
 [Dan] XP_Recovery_...	192.168.1.1:443	Choose Destin... 	No Destination Host	No Destination Host	No Destination Host	

Add New Server...

< Previous

Next >

Requirements: You must select the Destination Host and the Datastore that is hosting the recovery VMs. The Resource Pool and VM Folder are optional; however, you must select None on the Destination page if you do not want these options.

- To add a new destination host server, perform the following steps; else proceed to next step.

Add New Server

a. To add a new server, click the **Add New Server** button.

The address field is displayed.

Type the IP Address of the server you want to add (e.g. 192.168.1.1:443).

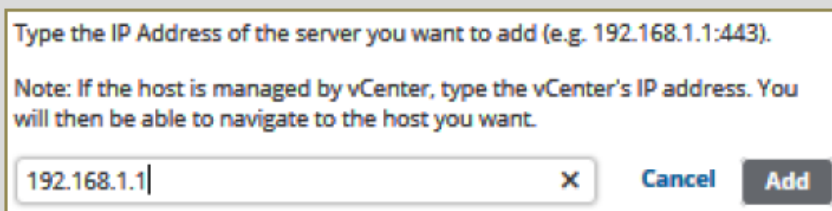
Note: If the host is managed by vCenter, type the vCenter's IP address. You will then be able to navigate to the host you want.

CancelAdd

b. Type the IP address of the server you want to add.

Note: If the host is managed by vCenter, type the vCenter's IP address. You can then navigate to the host you want.

The Add button is activated.




Type the IP Address of the server you want to add (e.g. 192.168.1.1:443).

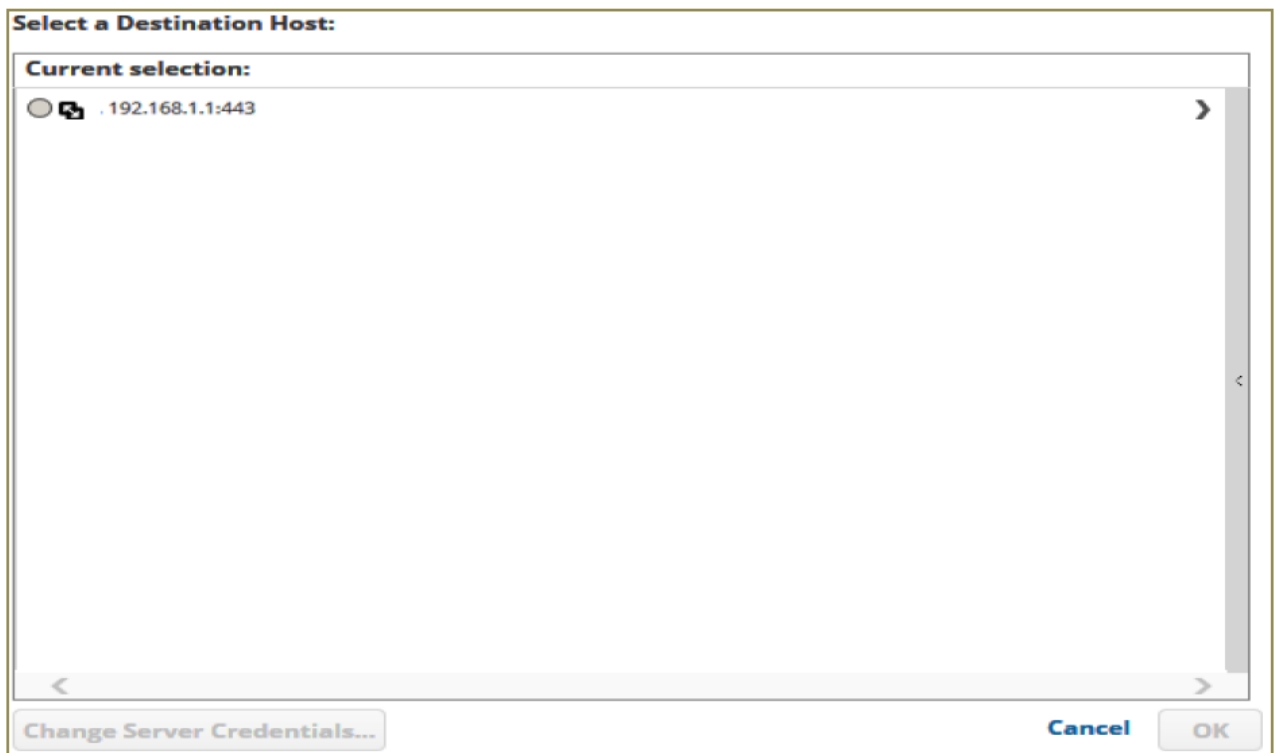
Note: If the host is managed by vCenter, type the vCenter's IP address. You will then be able to navigate to the host you want.

192.168.1.1 | X Cancel Add

c. Click the Add button.


The new server address is displayed.

9. Select the ellipsis  in the Destination Host column.
The Destination Host pop up is displayed.



Select a Destination Host:

Current selection:

 . 192.168.1.1:443

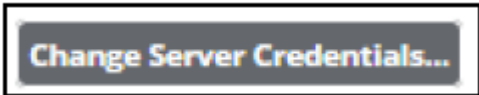
Change Server Credentials... Cancel OK

CAUTION! As a best practice, select a host for your restore destination that does not already contain the protected VM. If the same host is selected and fails, both the protected VM and the

recovery VM are lost.

10. Select the Destination Host.

Note that the Change Server Credentials option is activated.



11. To change server credentials, perform the steps below; else proceed to next step.

Change Server Credentials

To change Server Credentials, perform the following steps.

a. At the Confirm selection pane, select a host.

The Change Server Credentials button is enabled.

b. Click the Change Server Credentials button.

The credentials pop-up is displayed.

Please sign into the server:

Username:

Password:

[Cancel](#) [OK](#)

c. Make your changes.

Note 1: The backup set relies on these credentials to perform the backup. Use credentials that do not change often, else the backup fails.

Note 2: You can authenticate to the following:

- Unmanaged ESX host
- vCenter that manages one or more ESXi hosts

d. Click OK.

The new server address is displayed.

12. Select the Destination Host.

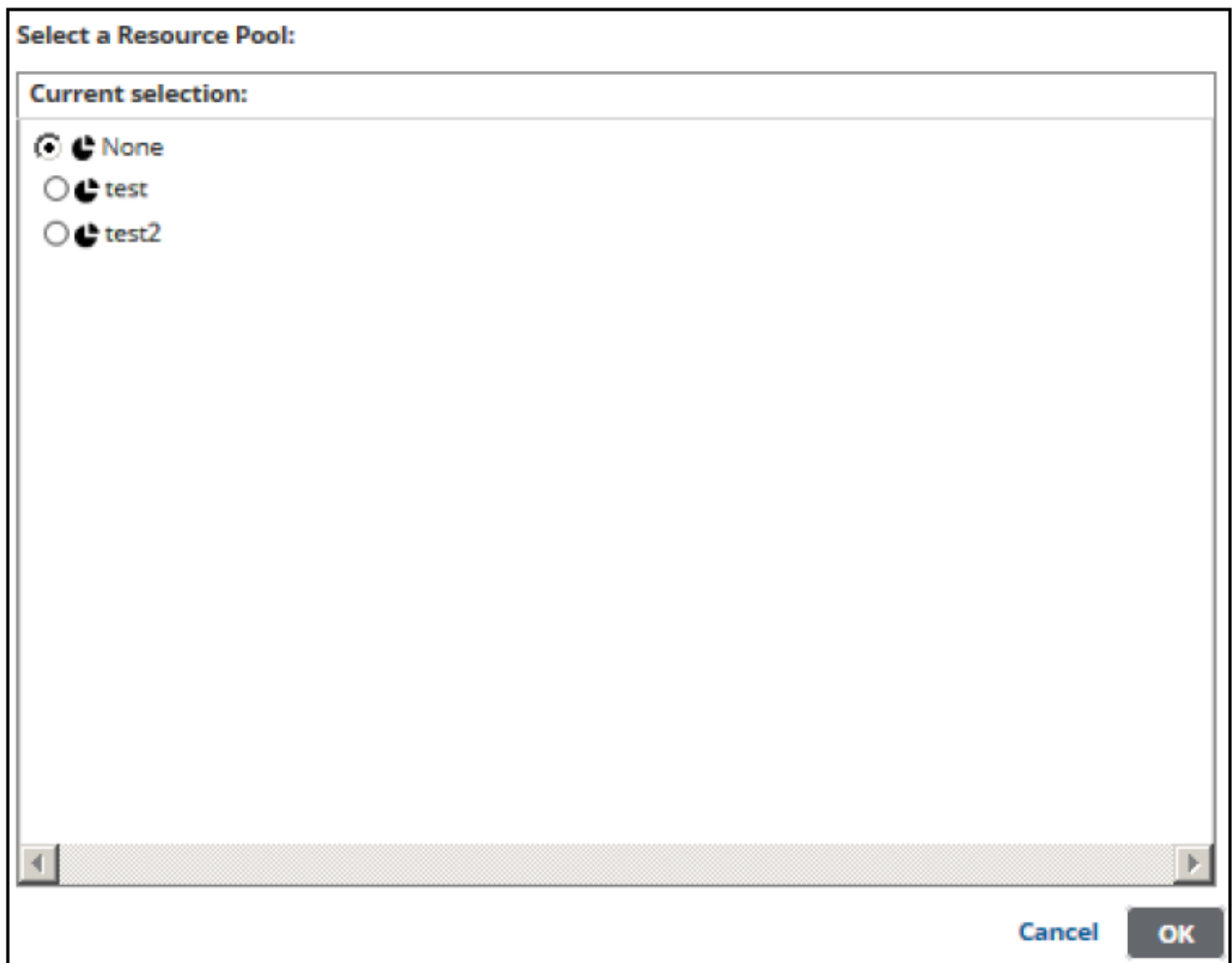
The ellipses are displayed for the other options.


Where Would You Like to Direct Your Recovery VM Destination?						
Select Destination Host, Resource Pool, VM Folder & Datastore of each VM below. Completed configurations are denoted with a ✓ after them.						
Virtual Machine/VM(s)	Source Host IP	Destination Host	Resource Pool	VM Folder	Datastore	✓
☞ Steve - Win XP Thin	.192.168.1.1:443	.192.168.1.1:443	⋮ Choose Resourc...	⋮ Choose VM Folder	⋮ Choose a Datast...	⋮

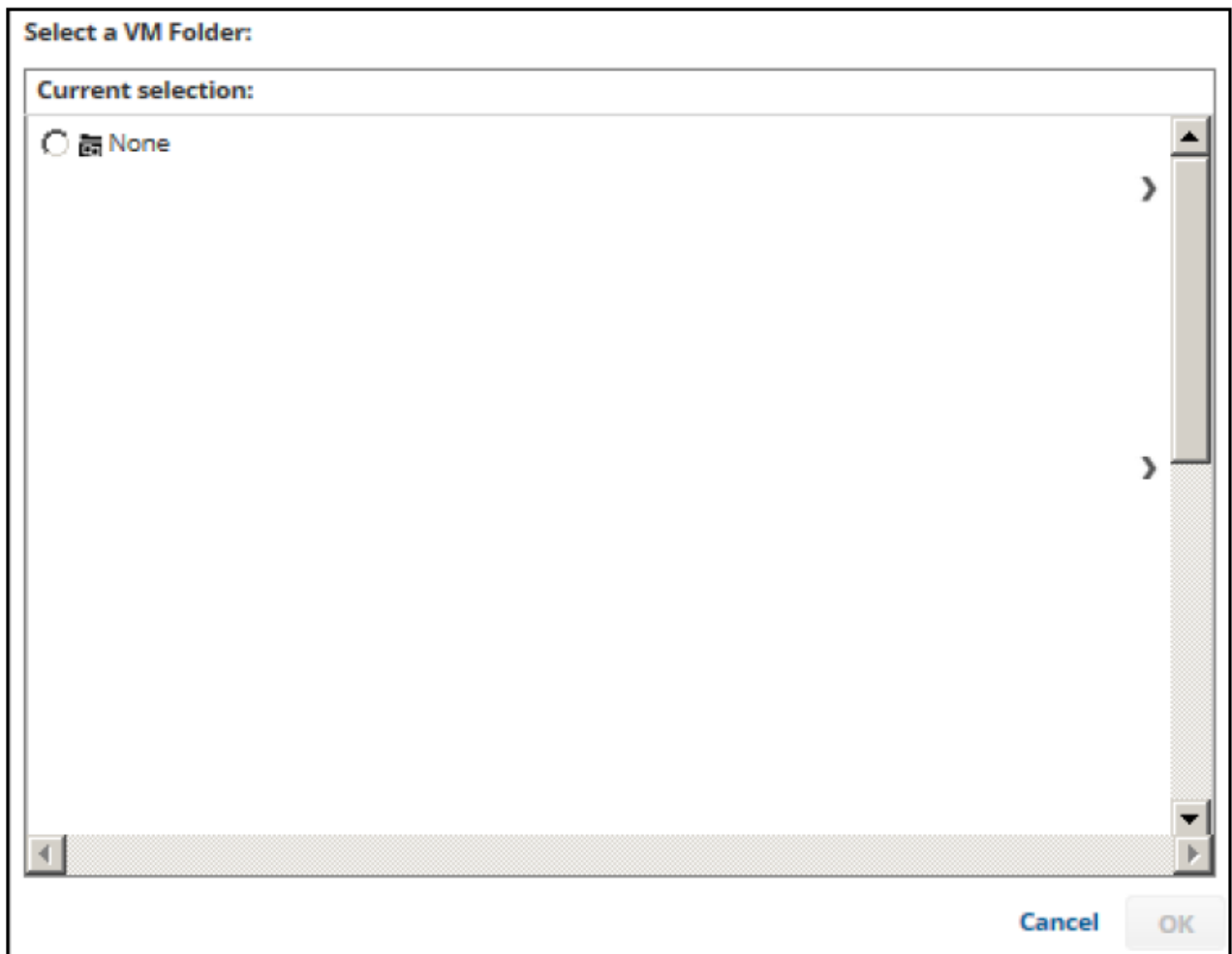


13. Select the ellipsis in the Resource Pool column.

The Resource Pool pop up is displayed.




14. Select the Resource Pool radio button or the **None** radio button, if you do not want a Resource Pool, and then click **OK**.
15. Select the ellipsis  in the VM Folder column.
The VM Folder pop up is displayed.



16. Select the VM Folder radio button or the None radio button, if you do not want a VM Folder, and then click **OK**.



17. Select the ellipsis  in the Datastore column.
The Datastore pop up is displayed.

Select a Datastore:

Current selection:

☐ New Primary (13.67 TB Total, 2.51 TB Free)

☐ New Secondary (8.79 TB Total, 5.73 TB Free)

Cancel OK

18. Select a Datastore radio button, and then click **OK**.

Recommendation: As a best practice, do not choose the same Datastore as the source VM. If the recovery VM is placed on the same Datastore as the source VM and that Datastore fails, both VMs are lost.

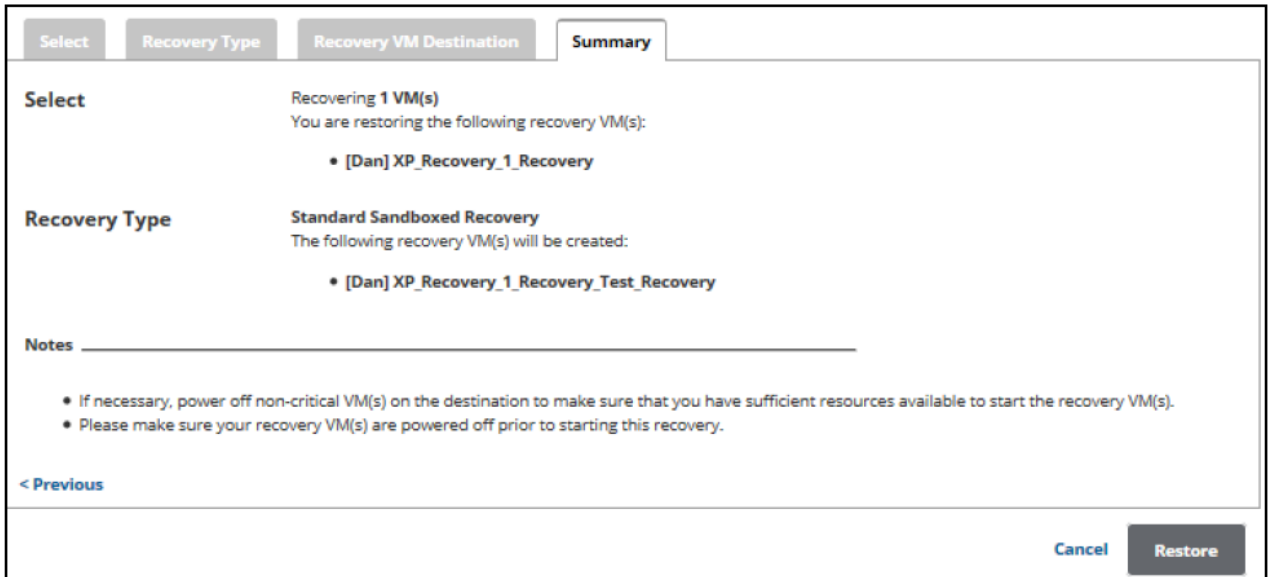
After making your selections, the completed configuration is denoted with a check mark.

Where Would You Like to Direct Your Recovery VM Destination?

Select Destination Host, Resource Pool, VM Folder & Datastore of each VM below. Completed configurations are denoted with a ✓ after them.

Virtual Machine/VM(s)	Source Host IP	Destination Host	Resource Pool	VM Folder	Datastore	
Steve - Win XP Thin	192.168.1.1:443	192.168.1.1:443	None	None	New Primary	✓

19. Click **Next**.
The Summary page is displayed



The screenshot shows the 'Summary' tab of the VMware Standard Restore wizard. It displays the selected VM(s) for recovery, the recovery type (Standard Sandboxed Recovery), and a list of recovery VM(s) to be created. A 'Notes' section provides additional instructions. At the bottom, there are 'Cancel' and 'Restore' buttons.

Select **Recovery Type** **Recovery VM Destination** **Summary**

Select Recovering 1 VM(s)
You are restoring the following recovery VM(s):

- [Dan] XP_Recovery_1_Recovery

Recovery Type Standard Sandboxed Recovery
The following recovery VM(s) will be created:

- [Dan] XP_Recovery_1_Recovery_Test_Recovery

Notes

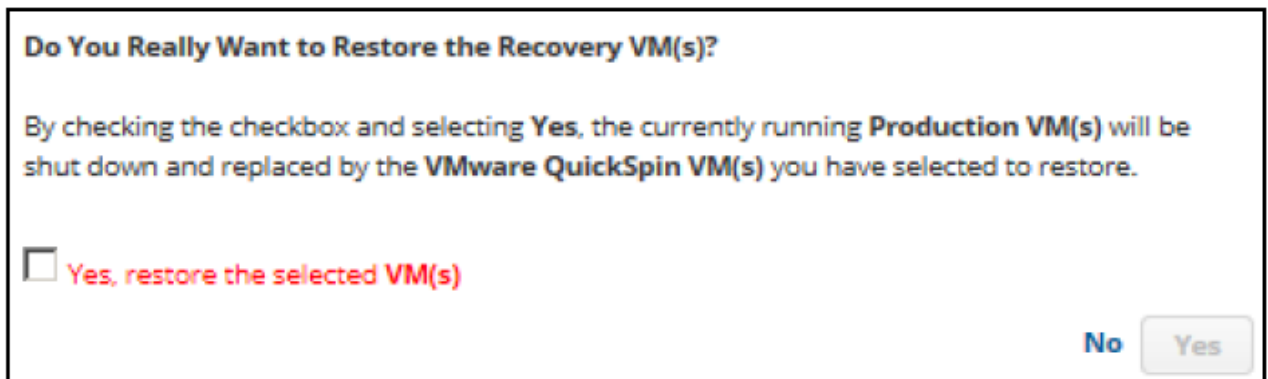
- If necessary, power off non-critical VM(s) on the destination to make sure that you have sufficient resources available to start the recovery VM(s).
- Please make sure your recovery VM(s) are powered off prior to starting this recovery.

< Previous

Cancel Restore

20. Verify your selections, and then click the **Restore** button.

If you selected Production Recovery at the Destination page, then the following confirmation pop-up is displayed.



The dialog asks for confirmation to restore the selected VM(s). It explains that checking the checkbox and selecting 'Yes' will shut down and replace the currently running Production VM(s) with the VMware QuickSpin VM(s) selected for restore. There is a checkbox labeled 'Yes, restore the selected VM(s)' and 'No' and 'Yes' buttons.

Do You Really Want to Restore the Recovery VM(s)?

By checking the checkbox and selecting **Yes**, the currently running **Production VM(s)** will be shut down and replaced by the **VMware QuickSpin VM(s)** you have selected to restore.

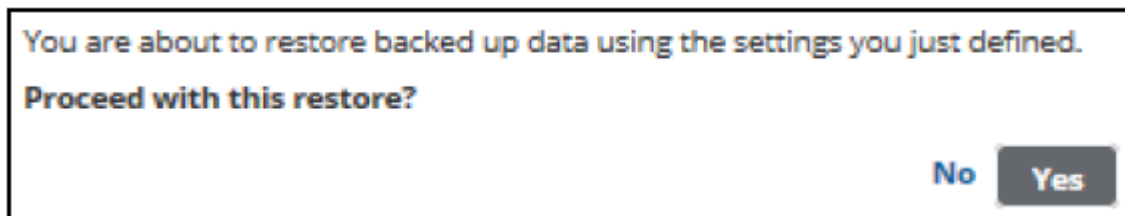
☐ **Yes, restore the selected VM(s)**

No Yes

21. By selecting the checkbox and selecting **Yes**, the currently running Production VM(s) are shut down and replaced by the VMware QuickSpin VMs you have selected to restore.

22. Click the Yes, restore the selected VM(s) check box, and then click **Yes**.

If you selected Sandboxed Test Recovery at the Destination page, then the following confirmation pop-up is displayed.



The dialog asks for confirmation to proceed with the restore. It states that the user is about to restore backed up data using the settings they just defined. There are 'No' and 'Yes' buttons.







You are about to restore backed up data using the settings you just defined.

Proceed with this restore?

No Yes






23. Click **Yes**.

The Restores Selections page is displayed with the restore running.

Restore Selections			
Restore Type	Type	Status	Completed
 Files and Folders	 VMware Standard	 Restoring...	Click to Stop 
 SQL Server			
 VMware Standard			

Note: To stop the restore, click the **Click to Stop** icon.

The Restores Selections page is displayed showing the status of the restore.

Restore Selections			
Restore Type	Type	Status	Completed
 Files and Folders	 VMware Standard	1 Item(s) Restored	10/13/2016 @ 10:39 AM
 SQL Server			
 VMware Standard			
 VMware QuickSpin			

Note: if the destination host you restore to has a VM with the same name, the restored VM appends the following extension to the name:
_Recovery (or Recovery1 if _Recovery exists).

Figures

1. VMware_Restore_ST_1.png
2. HV_Restore_3.png
3. VMware_Restore_ST_2.png
4. Restore Icon.png
5. VMware_Restore_ST_3.png
6. arrow.png
7. Remove.png
8. VMware_Restore_ST_4.png
9. VMware_Restore_ST_5.png
10. VMware_Restore_ST_6.png
11. VMware_Restore_ST_7.png
12. Ellipsis.png
13. VMware_Restore_ST_8.png
14. VMware_Restore_ST_9.png
15. VMware_Restore_ST_10.png
16. VMware_Restore_ST_11.png
17. Ellipsis.png
18. VMware_Restore_ST_12.png
19. Ellipsis.png
20. VMware_Restore_ST_13.png
21. Ellipsis.png
22. VMware_Restore_ST_14.png
23. VMware_Restore_ST_15.png
24. Check.png
25. VMware_Restore_ST_16.png
26. VMware_Restore_ST_17.png
27. VMware_Restore_ST_18.png
28. VMware_Restore_ST_19.png
29. VMware_Restore_ST_20.png
30. VMware_Restore_ST_21.png

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