VMware Standard Restore

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

Applicable Products

These instructions apply to the following products:
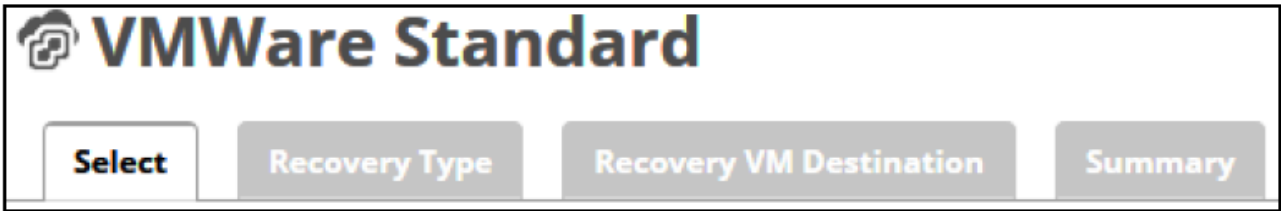
- Barracuda Intronis Backup - MSP

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

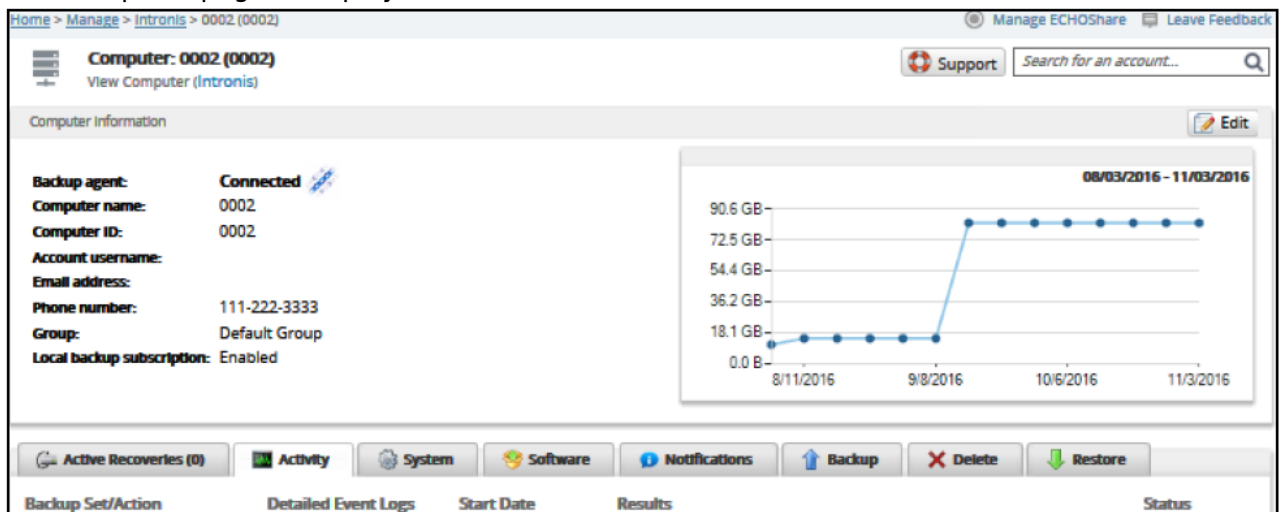The following table provides a description of the page.

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. • 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.

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

4. In the Current Selection pane, select the VMs and revisions to be restored.
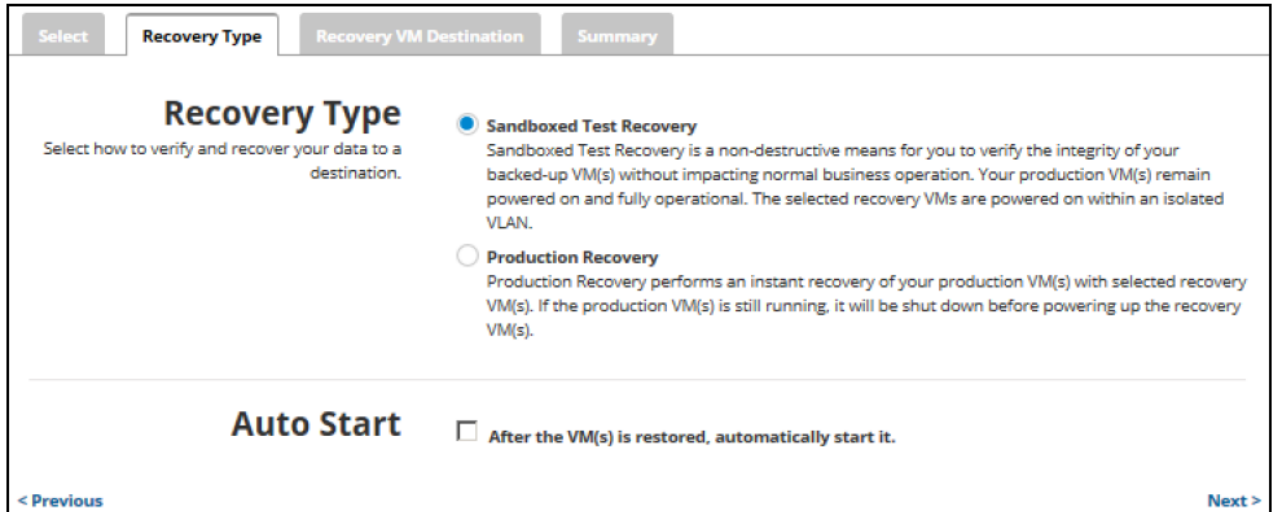
Clicking the arrow at the right of the VM displays more revisions of the VM.

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

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

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.

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.

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

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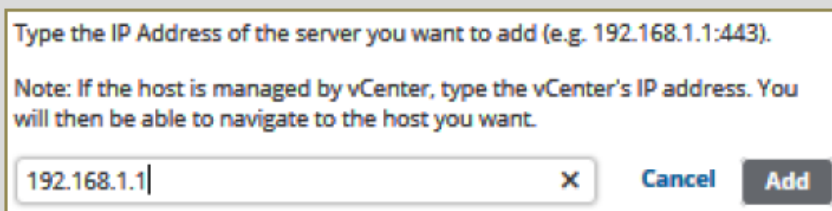
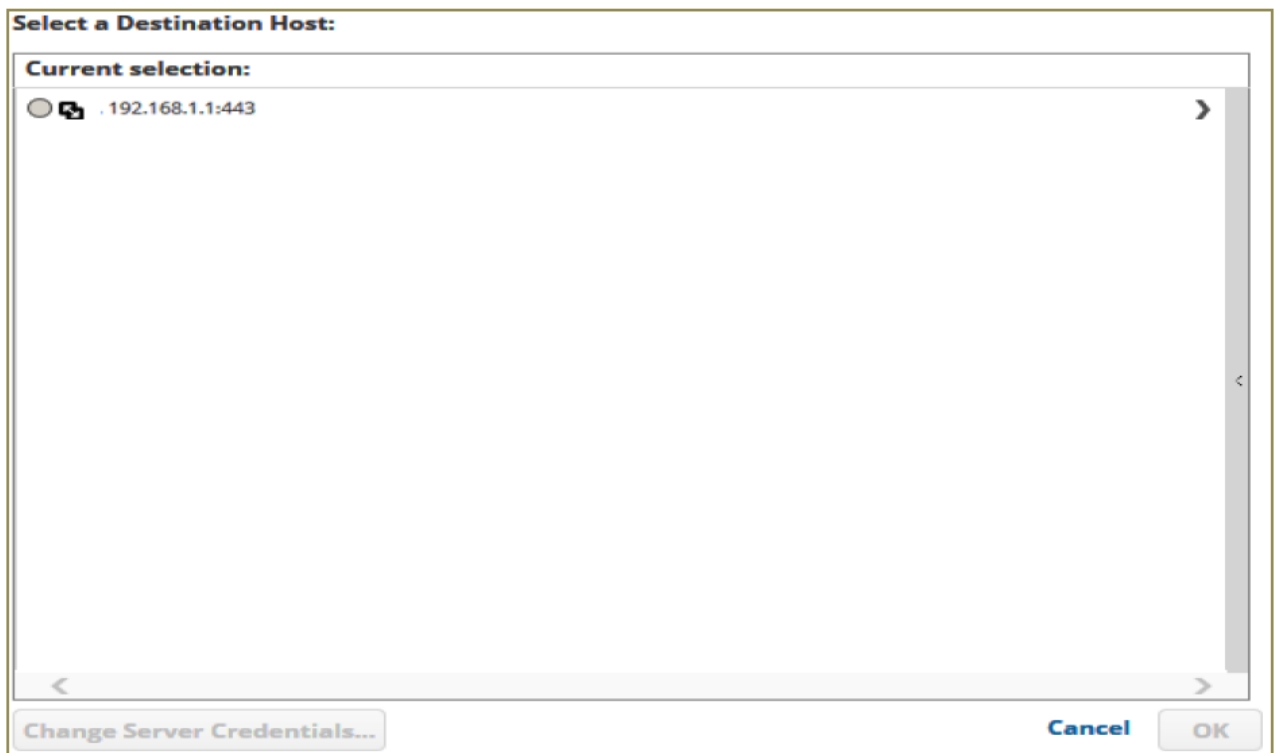Type the IP Address of the server you want to add (e.g. 192.168.1.1:443).

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| | ✕ | **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.

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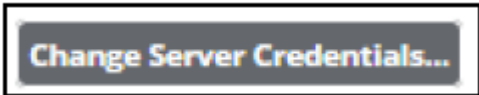
11. To change server credentials, perform the steps below; else proceed to next step.

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.
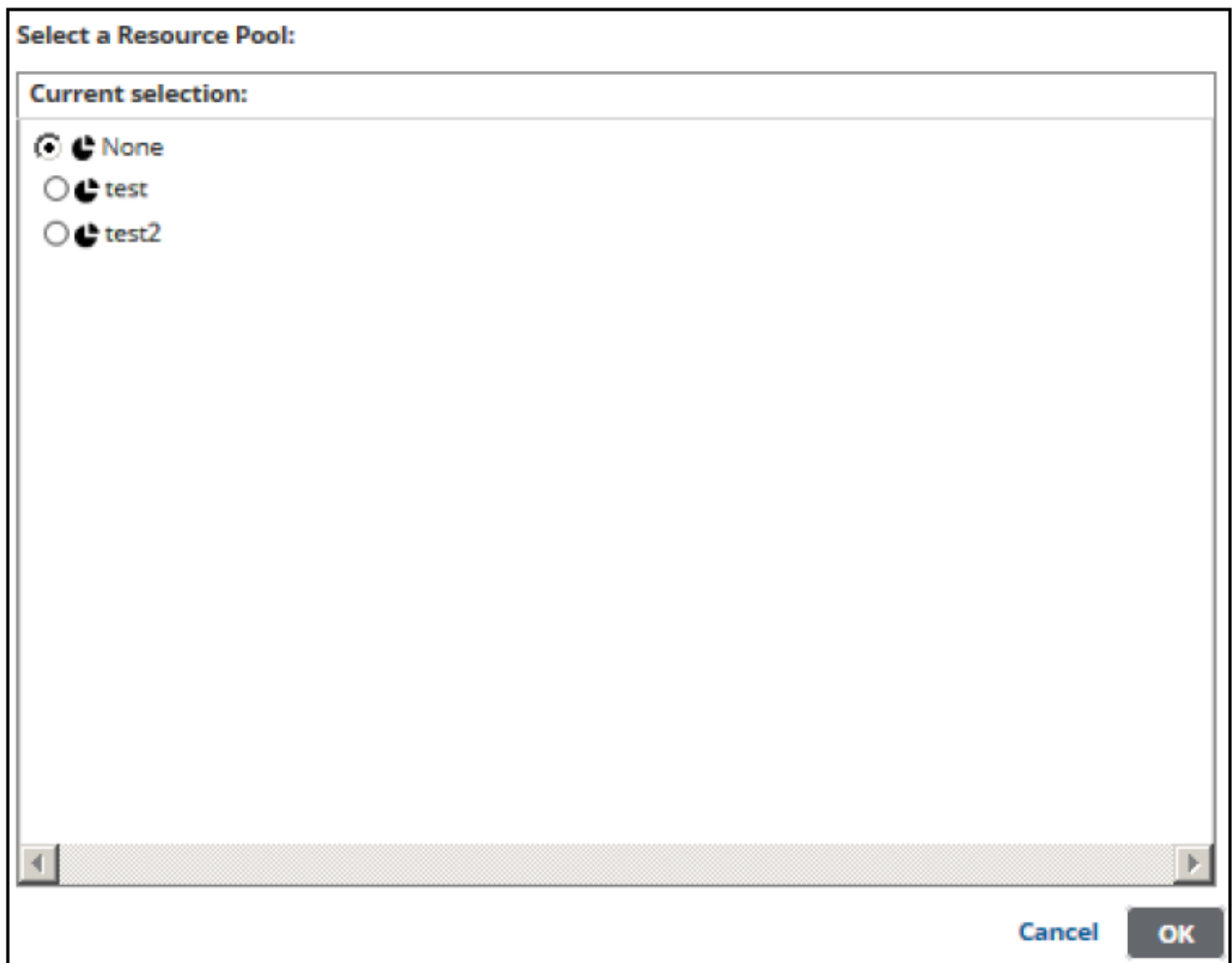
14. Select the Resource Pool radio button or the **None** radio button, if you do not want a Resource Pool, and then click **OK**.

15. Select the ellipsis in the VM Folder column.
    The VM Folder pop up is displayed.

Select a VM Folder:

Current selection:
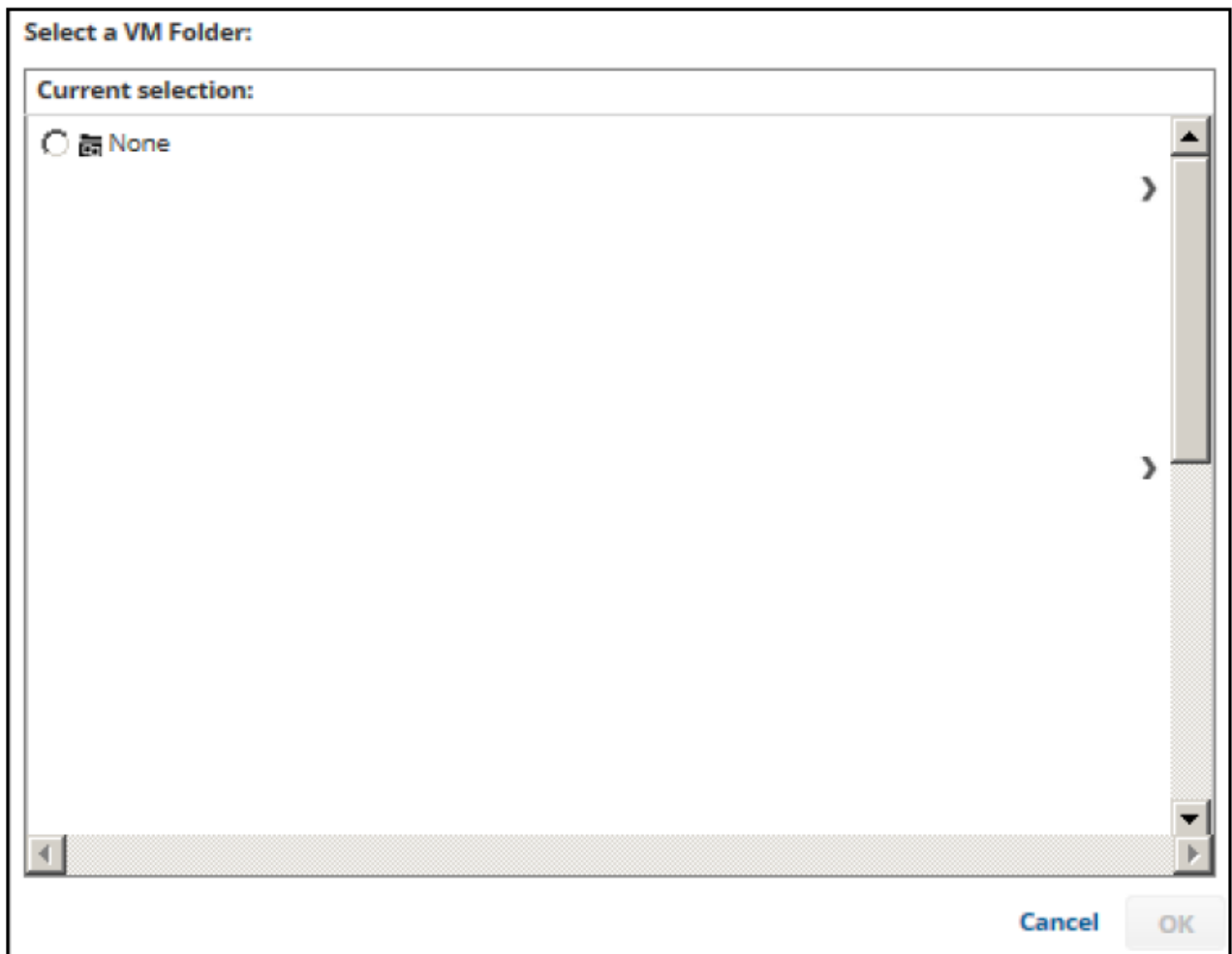
○ 🗃 None

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.

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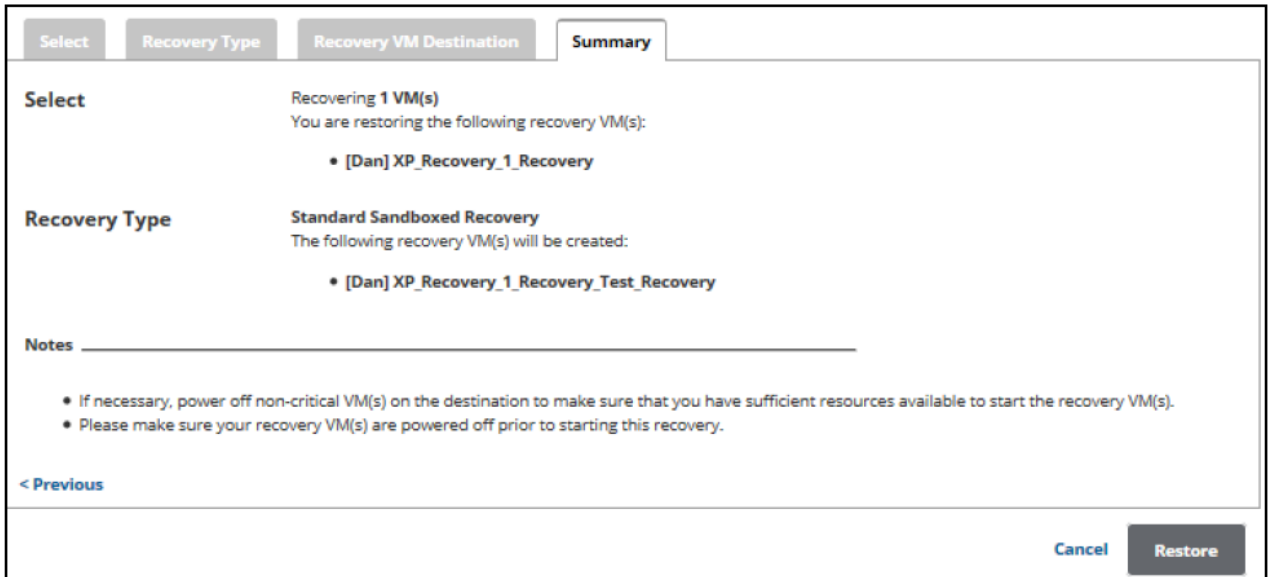
After making your selections, the completed configuration is denoted with a check ✓ mark.

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

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.

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.
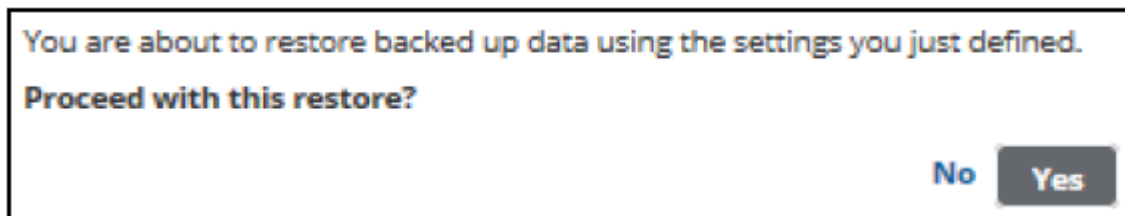22. Click the Yes, restore the selected VM(s) check box, and then click **Yes**.
    If you selected Sandboxed Test Recovery at the Destination page, then the following confirmation pop-up is displayed.

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