

APPSPRD RESTORE PROCEDURE

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This document outlines the procedure for restoring Appsprd applications from backup to the required test environment.

Start Veeam restore process

1. RDP to pwv011vmmgr and open the Veeam Backup & Replication Console.
2. On VBR Home screen select Backups → Disk and expand **NAS-WBBPRD**.
3. Right-click on plv001veeamprxy and choose **Export disk content as virtual disk**.
4. Select the date you want to restore from and click Next.
5. Select **Disk 0** and click Next.
6. On the next screen select the ESX host that is currently hosting the test server you're going to use for the refresh.
7. In the **Path to Folder** section click Browse and select 71-VeeamRestore.
8. Set **Disk type** to Thin and click Next.
9. Add a **Restore reason** if you want. This is optional. Click Next.
10. Click Finish. This will start the process of restoring the backup to a virtual disk (VMDK).
11. While this process is running you can immediately move on to **Remove oracle.old folder**.

Remove oracle.old folder

1. In AWX, launch the **Test(x) Appsprd Prestore Folder Removal** template in the test environment which is getting refreshed.

Assign restored VMDK to EBS Test VM

1. Open the vCenter console - <https://pav010vctrapps>
2. Right-click on the VM you're using for the refresh and select **Edit Settings**.
3. In the Edit Settings window, click **Add New Device** and select **Existing Hard Disk**.
4. In the Select File window scroll down and click **71-VeeamRestore** and then select plv001veeamprxy_Disk0.vmdk.
5. Click **OK** in the Edit Settings window.

Mount disk in VM.

1. SSH to the VM
2. Change to root user.

```
mount /dev/sdc1 /restore
```

Copy Oracle folder from /restore to /u04/restored

```
cp -Rp /restore/u04/oracle /u04/restore
```

DO NOT START THE NEXT STEP UNTIL YOU'VE BEEN NOTIFIED THAT ALL APPS HAVE BEEN SHUTDOWN

Run the APPSPRD restore process.

There are two ways to accomplish the APPS restore

1. Automate with Ansible
 - a. In AWX, launch the **Test(x) Appsprd Refresh** template.
 - b. Verify all folders have been moved correctly and all directory permissions are correct.
2. Manually move/copy the required folders.
 - a. On the server where the restored disk is mounted, run the following commands:

```
mv /u04/oracle /u04/oracle.old

cd u04/restore/

mv oracle /u04

cd /u04/oracle

mv WBBPRD WBBTST

cd /u04/oracle/WBBTSTS/apps/apps_st/appl/xxcus/12.0.0

mv bin bin.old

cp -rp /u04/oracle.old/WBBTST/apps/apps_st/appl/xxcus/12.0.0/bin
/u04/oracle/WBBTST/apps/apps_st/appl/xxcus/12.0.0/
```

- b. Reboot the Oracle apps servers in the environment being refreshed.

Cleanup

1. On the VM, run

```
umount /restore
```

1. In the vCenter console, right-click on the VM, select **Edit Settings** and delete the hard drive you added previously, making sure you check **Delete files from datastore**.