OMIVV 2.1 and local update directory

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Executive Summary
Under certain circumstances it is not possible that the OMIVV appliance is allowed to access the update directory on the Dell website due to safety regulations.

Here is a short guide on how to create a local update directory.

Steps in Detail
What is practically needed here is a Linux server that has access to the Internet and can access the Dell page. Here in this guide a Redhat Enterprise Linux Server 6.2 was used with Apache web services installed.

1. First it is necessary to replicate the update directories from the Dell site to the RHEL 6.2 Server (a local mirror). In principle, the same mechanisms are applied which are also used when updating with YUM (Yellowdog Update Manager).

   Rsync is now available. The rsync address is:
   rsync://linux.dell.com::repo
   Recommended rsync command:
   rsync -avHz linux.dell.com::repo/hardware.

   The update directories for OMIVV can be found here:
   http://linux.dell.com/repo/hardware/vcenter-plugin/

   The replication command is in OMIVV:
   rsync -avHz linux.dell.com::repo/hardware/vcenter-plugin.

Preferably it should be immediately executed in the document root directory of the Apache server, default /var/www/html.

2. Now it is necessary to set up the Apache web server. The config file is called httpd.conf and can be found for RHEL 6.2 in /etc/httpd/conf. If this has become a default and regular web server, without other special features such as Virtual hosts, only the server name has to be inserted

   ServerName server.example.com
   This name has to be entered in DNS. In addition, you should double check the document root directory (see above: default /var/www/html).
   After that restart the web server (/etc/init.d/httpd restart). Now the web server should already be accessible in the browser. In RHEL 6.2, it is necessary to disable SELINUX in order to access the vcenter plugin directory beneath (otherwise access
denied message). Temporary this is possible with the command `setenforce 0` (after the next reboot SELINUX is active again).
You can test the access in the browser with the URL `server.example.com/vcenter-plugin`.
You should now be able to see the directories.

Relevant there:
**"Updating the appliance**
This section talks about the mechanics of updating the Dell Management Plug-in virtual appliance to latest available version.

**Updating appliance using the Administration Portal**
As shown below, the APPLIANCE UPDATE section shows the current version of the appliance, the available version of the appliance at a given update, the repository path, and a default repository reference.

![Appliance update information](image)

The *Update Repository Path* value can be changed to another repository under [http://linux.dell.com/repo/hardware/vcenter-plugin/](http://linux.dell.com/repo/hardware/vcenter-plugin/) or a custom internal
repository that represents an updated version of the appliance. The *Default Update Repository* value ([http://linux.dell.com/repo/hardware/vcenter-plugin/latest](http://linux.dell.com/repo/hardware/vcenter-plugin/latest)) is not used in the update process but used as a reference repository path.


For virtual appliances less than version 1.5.0, use [http://linux.dell.com/repo/hardware/vcenter-plugin/latest](http://linux.dell.com/repo/hardware/vcenter-plugin/latest) as the value of *Update Repository Path*. Once the virtual appliance is updated to 1.5.0, you notice that the *Update Repository Path* is automatically updated from *latest* to *latest-greatest* and there is no change required.

### Changing the Update Repository Path
1. In the Administration Portal > Appliance Management page, click **Edit**.
2. Change the value for the repository path, and then click **Apply**.

![Editing the update repository path](image)

The Available Virtual Appliance Version indicates the version of the appliance represented by the repository at the Update Repository Path location.

Here you have to change the "Update Repository Path" to our own web server directory, in our example: *server.example.com/vcenter-plugin/latest*.

Now the update can start.