VOSS Insights Dashboard and Arbitrator Maintenance and Upgrade Guide

Jan 18, 2022

Legal Information

Please take careful note of the following legal notices:

Security Information

This product may contain cryptographic features that may be subject to state and local country laws that govern the import, export, transfer and use of such features. The provision of this software does not imply that third-party authorization to import, export, distribute or use encryption in your particular region has been obtained. By using this product, you agree to comply with all applicable laws and regulations within your region of operation. If you require further assistance, please contact your dedicated VOSS support person.

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1. Upgrade

1.1. Pre Checks

1. Check the current version of the software by running the command **about** and viewing the version.
2. Check GUI Access.
3. Check available storage of the disk of the server.

1.2. Backup dashboards before upgrades

1. Log in as admin.
2. Click on the **admin** top right.
3. Click Import/Export Wizard.
4. Click the Export Tab.
5. Select all the dashboards.
6. Click the Export .lxtr blue button on the top right.
7. click the **Download** button and save to a safe place.

1.3. Run a backup

On Arbitrator:

1. Navigate to settings
2. Choose **IMPORT & EXPORT**
3. Drag from the **Configuration items** pane to the **Export** pane:

   - Asset Entries
   - Asset Groups
   - Controls
   - Policy Modules
   - Probe groups

- Response procedures

4. Click **Export**
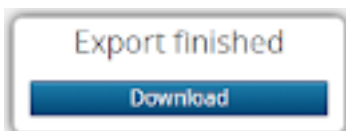

5. Click **Download**. Store the file in a safe place.

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1.4. Upgrade timings

- Arbitrator = Approx 20 Mins
- Dashboard Server = 20-60mins depending on resources

1.5. Upgrade MOP

1.5.1. VOSS Engineers upgrade via `root`

1. Using *Winscp* log in to the server using the root account
2. Copy the patch file

   (Example patch file for the arbitrator `layerX-arbitrator-sp19-sp20.lxsp`) in to the root directory
3. Log in to server using *Putty* via the root account.
4. Run the command **install-service-pack <filename>**

   Example: **install-service-pack layerX-arbitrator-sp19-sp20.lxsp**
5. Once the install has taken place reboot the server by running the command **reboot**.

1.5.2. Customer Upgrade via Admin

Upgrade check, download and install:

- The server will need access to the internet on port 443
1. Log on to the server using *Putty* and the admin user credentials
2. Navigate down to **Layerx Upgrade**
3. Click/enter **OK**

4. Select the **Check and Upgrade** option.
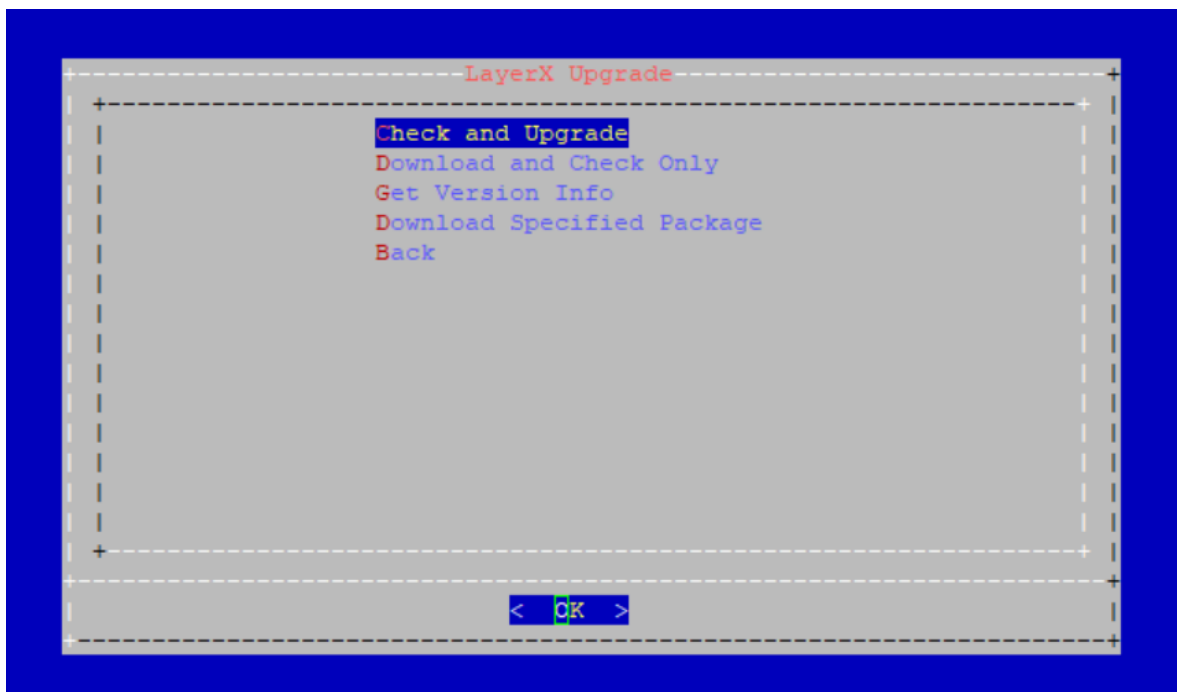
The server will go to the file repository and download the image to the local server.

```
Current system info:  arbitrator-sp20, expecting layerX-arbitrator-sp20-sp21.lxsp
Could not find expected lxsp file locally, so attempting download from
https://www.layerxtech.com/downloads/arbitratorhawaii/updates/layerX-arbitrator-sp20-
↪sp21.lxsp
--2020-12-10 10:08:54--
```

```
 https://www.layerxtech.com/downloads/arbitratorhawaii/updates/layerX-arbitrator-sp20-
→sp21.lxsp
Resolving www.layerxtech.com... 50.87.196.167
Connecting to www.layerxtech.com|50.87.196.167|:443... connected.
WARNING: cannot verify www.layerxtech.com's certificate, issued by
'CN=Let\'s Encrypt Authority X3,O=Let\'s Encrypt,C=US':
  Unable to locally verify the issuer's authority.
HTTP request sent, awaiting response... 200 OK
Length: 119664932 (114M)
Saving to: 'layerX-arbitrator-sp20-sp21.lxsp'

layerX-arbitrator-sp20-sp21.lxsp
 100%[====================================================>]
114.12M  10.7MB/s    in 12s

2020-12-10 10:09:09 (9.33 MB/s) - 'layerX-arbitrator-sp20-sp21.lxsp' saved
[119664932/119664932]

wget --no-check-certificate -O layerX-arbitrator-sp20-sp21.lxsp.md5sum
https://www.layerxtech.com/downloads/php/md5.php?
 filename=/home3/layerxte/www/downloads/arbitratorhawaii/updates/layerX-arbitrator-
→sp20-sp21.lxsp
--2020-12-10 10:09:09--
https://www.layerxtech.com/downloads/php/md5.php?
 filename=/home3/layerxte/www/downloads/arbitratorhawaii/updates/layerX-arbitrator-
→sp20-sp21.lxsp
Resolving www.layerxtech.com... 50.87.196.167
Connecting to www.layerxtech.com|50.87.196.167|:443... connected.
WARNING: cannot verify www.layerxtech.com's certificate, issued by
'CN=Let\'s Encrypt Authority X3,O=Let\'s Encrypt,C=US':
  Unable to locally verify the issuer's authority.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'layerX-arbitrator-sp20-sp21.lxsp.md5sum'

layerX-arbitrator-sp20-sp21.lxsp.md5sum
[ <=>                                    ]      97  --.-KB/s
   in 0s

2020-12-10 10:09:12 (7.70 MB/s) -
'layerX-arbitrator-sp20-sp21.lxsp.md5sum' saved [97]

Download completed.  md5sum values match.
-rw-r--r-- 1 drop drop 119664932 Dec  7 23:31
/chroot/scp/pub/lxt_upgrade/layerX-arbitrator-sp20-sp21.lxsp

SUCCESS:  Download and check specified.  Not performing install.
Press any key to return to the menu.

Press any key to continue the upgrade
```

Note: the location where the upgrade files get placed ready for the upgrade is location here:

downloads file to:

```
/chroot/scp/pub/lxt_upgrade/
```

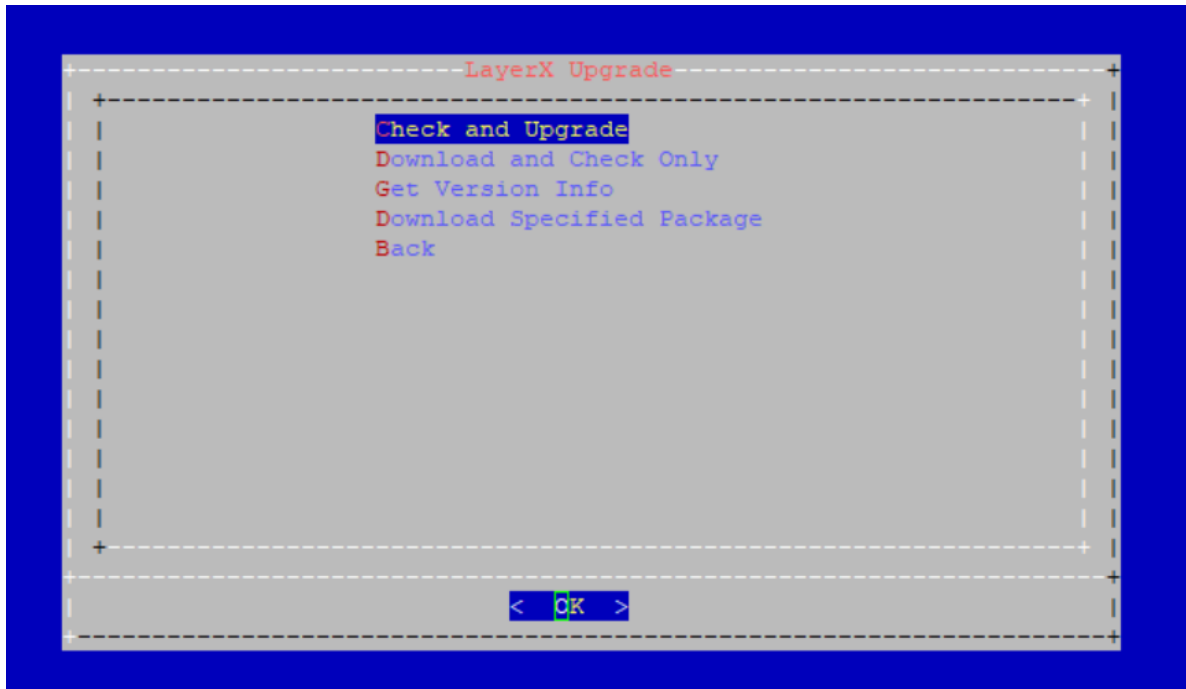### 1.5.3. Manual download of a upgrade image:

- The server will need access to the internet on port 443

1. Log on to the server using *Putty* and the admin user credentials
2. Navigate down to **LayerX Upgrade**
3. Click/enter **OK**

4. Select the **Download Specified Package**

Download Specified package - Enter the following information changing the `<upgrade filename>` with the actual file name:

```
https://www.layerxtech.com/downloads/arbitratorhawaii/updates/<upgrade filename>
```

E.g. `layerX-arbitrator-sp19-sp20.lxsp`

The file will continue to install

```
Please enter the path to download and install:
https://www.layerxtech.com/downloads/arbitratorhawaii/updates/layerX-arbitrator-
↪sp19-sp20.lxsp
Fetching
https://www.layerxtech.com/downloads/arbitratorhawaii/updates/layerX-arbitrator-
↪sp19-sp20.lxsp
--2020-12-10 10:38:18--
 https://www.layerxtech.com/downloads/arbitratorhawaii/updates/layerX-arbitrator-
↪sp19-sp20.lxsp
Resolving www.layerxtech.com... 50.87.196.167
Connecting to www.layerxtech.com|50.87.196.167|:443... connected.
WARNING: cannot verify www.layerxtech.com's certificate, issued by
'CN=Let\'s Encrypt Authority X3,O=Let\'s Encrypt,C=US':
  Unable to locally verify the issuer's authority.
HTTP request sent, awaiting response... 200 OK
Length: 206254372 (197M)
Saving to: 'layerX-arbitrator-sp19-sp20.lxsp'

layerX-arbitrator-s 100%[===================>] 196.70M  11.1MB/s    in 20s

2020-12-10 10:38:38 (9.99 MB/s) - 'layerX-arbitrator-sp19-sp20.lxsp' saved
[206254372/206254372]

Download completed
Continuing with install
```

```
Thu Dec 10 10:38:43 GMT 2020: Validating service pack file.
Thu Dec 10 10:38:43 GMT 2020: Extracting service pack file.
Thu Dec 10 10:38:45 GMT 2020: Validating service pack phase 1.
Verified OK
Thu Dec 10 10:38:45 GMT 2020: Validating service pack phase 2.
Thu Dec 10 10:38:46 GMT 2020: Service pack validation complete.
Thu Dec 10 10:38:46 GMT 2020: Starting installation processes.
You cannot upgrade release sp20 => sp20.
The required release for this service pack is sp19 or sp19.1 or sp19.2 or
sp19.3 or sp19.4 or sp19.5 or sp19.6 or sp19.7 or sp19.8 or sp19.9 or
sp19.10.
Press any key to return to the menu.

Press the enter key to return to the menu
```

Note: the location where the upgrade files get placed ready for the upgrade is location here:

downloads file to:

`/chroot/scp/pub/lxt_upgrade/`

5. On the menu select the **Get Version Number**
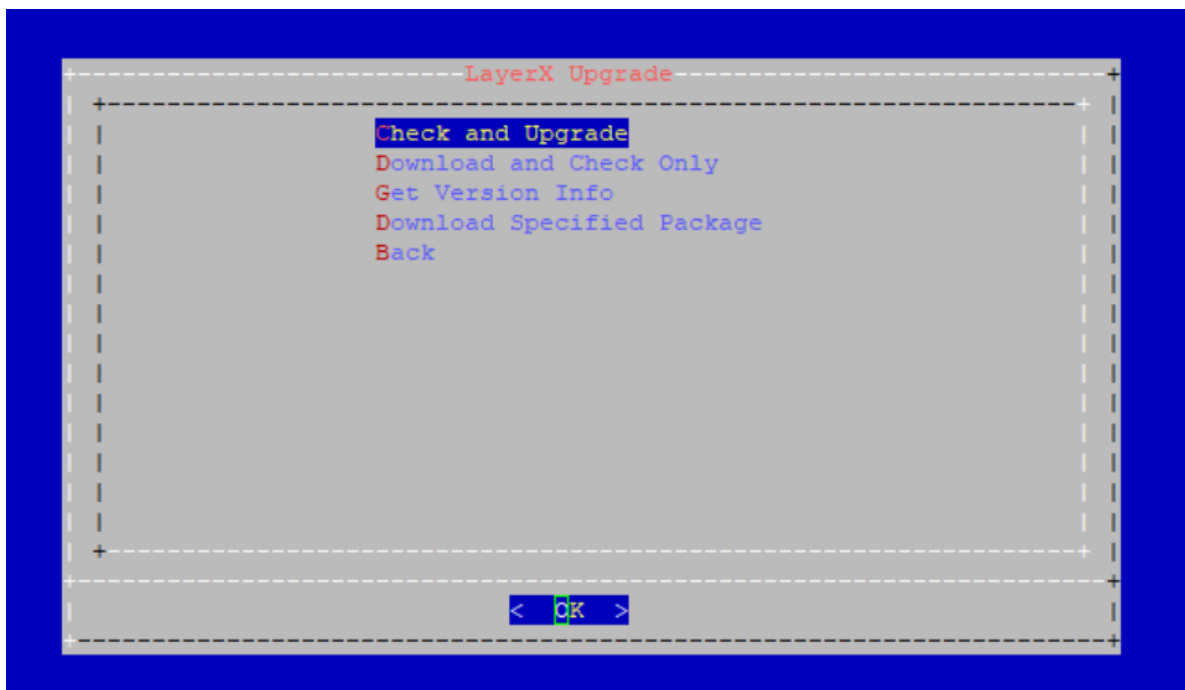
1.6.   Post Checks

Check the patch version by running the command **about**.

```
root@arbitrator:~# about

                   About
================================================
      Hostname: arbitrator
       Version:  sp20
         Theme:  voss
        Flavor  arbitrator
       License:  9H3EJ-H3A4A-7X79K-9PQ7Q-4RATT
 Days Licensed: 143
Days Remaining: 41
   Product Key:
 7a426f46634971795a446e3379777a4e6e66452f4c4c7a[...]
       Website:  http://www.layerxtech.com/
        Kernel:  Linux 4.14.17-lxt-3 x86_64 GNU/Linux
```

2.   Add Certificates

1. SCP the new `server.crt` and `server.key` tiles to the `etc/apache2/` directory on the system, ovewriting the old certificate files.

   Recommended: back up the current certificate files prior to overwriting them.

2. SSH to the system as `root` and restart the apache service using the **sv restart apache** command.

3. Clear browser cache.

4. Apache will now use the new signed certificate.