* + 1. **Verify Re-Install or Upgrade Software**

***Objective:***

Objective is to verify downloading, installation, and activation of software.

***Procedure:***

* Load installation is through ONIE – Open Network Install Environment
* After initial installation of a SAOS load on a box, you should be able to upgrade to another load without need to go back to ONIE.
* \*Following the example below and enter the following command to download the build

from user’s own URL – please note the URL below is for reference only:

software download url [http://x.x.x.x/valimar-snapshot/manifest/saos-10-05-01-](http://x.x.x.x/valimar-snapshot/manifest/saos-10-05-01-0096.yml) [0096.yml](http://x.x.x.x/valimar-snapshot/manifest/saos-10-05-01-0096.yml)

* After the a few minutes, the build should have downloaded successfully. Execute a “show software” to check the download status.
* Once the build has downloaded successfully, execute the command install to install the software.

software install package saos-10-05-01-0096 defer-activation

* \*Once installation is complete, activate the load to complete the upgrade.

software activate package saos-10-05-01-0096

* After the a few minutes, the build should have been activated successfully. Execute a

“show software” to check the status. You should see something like this:

5144-009> show software

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| +  | | Name | | | SOFTWARE STATE  Value | +  | | | |
| +  | | Current operation | +  | | idle | +  | | | |
| |  |  |  |  +  |  |  |  |  | | RPC Status  Running package version Package build info Active bootchain  Components: BIOS image  BOOT FPGA image ONIE image  cn\_alarm\_1 | |  |  |  |  +  |  |  |  |  | | idle  saos-10-05-01-0096  Wed Dec 02 03:16:15 2020  01-05-01-0096  0017  00.00.2a Ciena\_2019.02.01-0040  01-05-01-0096 | autouser | onxvpnjk23 | |  |  |  |  +  |  |  |  |  | |
| | | cn\_central-logger\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_cfm\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_cnfp\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_collectd\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_dataplane\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_dhcp-ctrl\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_dhcpl3relay\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_dns\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_dot1x\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_eoam\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_erps\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_feds\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_hal\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_ipservices\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_lacp\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_lldp\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_ntp\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_pkix\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_pon-ctrl\_1 | | | 01-05-01-0096 |  |  | | |
| | | cn\_ppm\_1 | | | 01-05-01-0096 |  |  | | |

| cn\_rstp\_1 | 01-05-01-0096 |

| cn\_sat\_1 | 01-05-01-0096 |

| cn\_snmp-agent\_1 | 01-05-01-0096 |

| cn\_storage\_1 | 01-05-01-0096 |

| cn\_svcdirectory\_1 | 01-05-01-0096 |

| cn\_sync-hal\_1 | 01-05-01-0096 |

| cn\_sync\_1 | 01-05-01-0096 |

| cn\_system\_1 | 01-05-01-0096 |

| cn\_tdm\_1 | 01-05-01-0096 |

| cn\_telemetry\_1 | 01-05-01-0096 |

| cn\_twamp\_1 | 01-05-01-0096 |

| cn\_ui\_1 | 01-05-01-0096 |

| cn\_val-gui\_1 | 01-05-01-0096 |

| cn\_ztp\_1 | 01-05-01-0096 |

| xg\_xgrade-agent\_1 | 01-05-01-0096 |

+ + +

| Available packages: | |

**| saos-10-05-01-0096 | activated** |

+ + +

\*can combine the steps and use “software install” without the defer-activation parameter. “software install” will download, install and activate the load on the system in one step.

**Test Case Results:**

Passed: Yes No Verified by Date/Time Comments