Cisco 3850 MDF Stack Upgrade.

\*\*\* Some of the prep work will begin prior to the close of business, any reloads would be scheduled later in the evening (5:00pm and later) \*\*\*

\*\*\* Open a cmd session and run a continuous ping to the switch \*\*\*

\*\*\* Move VM's & disable HA for the Cluster \*\*\*

1. Login to p-vcenter-101 and migrate all vms to p-(SITE)-vhost-0a

2. Disable HA on the (SITE) cluster in vcenter

\*\*\* Switch Update \*\*\*

1. ssh into (SITE)-RTR02

show hosts

console into – (SITE)-MDF-SW0(X)-1

2. Reload the switch/stack to get it to a clean state

Reload

Confirm reload

\*\*\* Check the status of the switch - after reload

\*\*\* Check to see if FTP is enabled for VLan 129 \*\*\*

#show config | include ftp

\*\* If not currently enabled \*\*

config t

ip ftp source-interface Vlan129 (or the active Vlan for the site)

ctrl z

3. show version (note version for comparison after upgrade)

4. Old software cleanup - software clean

5. Save the current config – wr

6. \*\* Save a backup copy of running Config \*\* (if there is not a current copy in solarwinds or vistara)

copy nvram:startup-config ftp://10.252.46.69/US-(SITE)-MDF-SW01-confg

7. \*\* Copy image to switch \*\*

copy ftp://10.252.46.69/3850/cat3k\_caa-universalk9.SPA.03.06.08.E.152-2.E8.bin flash:

dir flash:

verify flash:cat3k\_caa-universalk9.SPA.03.06.08.E.152-2.E8.bin

\*\*\* If the switch is a Model 3850 & in a stack of greater than 5 - Copy .bin file to the flash directory of switches that will be powered off \*\*\*

copy flash:cat3k\_caa-universalk9.SPA.03.06.08.E.152-2.E8.bin flash-6: (etc)

8. Show switch

\*\*\* (This may not be necessary, depending upon the firmware currently running) \*\*\*

\*\*\* Power off Switch(es) above switch number 5 \*\*\*

9. \*\* Install the IOS firmware\*\*

software install file flash:cat3k\_caa-universalk9.SPA.03.06.08.E.152-2.E8.bin on-reboot

reload

confirm reload

\*\*\* Wait for the continuous pings to resume \*\*\*

10. Log back into (SITE)-MDF-SW0(X)-1

\*\*\* (Steps 11, 12 13, 14 & 15 only required if individual switches were previously power off – from above)

11. show hardware (verify switches 1-5 are running the upgraded Firmware and all 5 are in install mode)

12. Power on switch(es) above 5 (that were previously powered off)

13. show switch (wait for switch(es) to report V-Mismatch)

14. software auto-upgrade

15. wait for switch(es) to reload

16. Check Change validation plan

\*\*\* Upgrade 2nd (SITE)-MDF-SW02 (If there is one) \*\*\*

Follow the above steps by consoling into (SITE)-MDF-SW02-1 & repeating the above steps

\*\*\* Move VM's & enable HA for the Cluster \*\*\*

1. Login to p-vcenter-101 and migrate the file and altiris vms to p-long-vhost-0b

2. Enable HA on the LONG cluster in vcenter