**Maintenance activity for Network switches**

Core switch Maintenance activity

1. Login into Core Switch A ***Name & type of switch –***

*Brocade MLX switches.*

*Cisco 6500 series.*

*Brocade VDX switches*

1. Check CPU Utilization [Symbol] show cpu-utilization
2. Check Memory Utilization [Symbol]show memory
3. Check power supply status [Symbol]show  temperature
4. Check Fan status  [Symbol] show chassis
5. Check Serial Number for Chassis and Module [Symbol] show chassis
6. Check LAG status[Symbol] show lag  | i 10G
7. Check for any abnormal logs. [Symbol] Show logging ( many parameter are there . we will consolidated after script is ready )
8. Check for Switch port CRC error[Symbol]show interface Ethernet slot/port
9. Check for switch port Input/output error[Symbol] go to each port and check status

Show interface Ethernet slot/port

Do the same for all the other core switches.

Access switch Maintenance activity

1. Login into Access Switch A
2. Check NOS version [Symbol]show version
3. Check devices listed in cacti [Symbol] No Commands in switch, we need to login into cacti through GUI and check it***.  More information on this***
4. Check logs are getting in Splunk for switch A [Symbol] No Commands in switch, we need to login into Splunk through GUI and check it.  ***More information on this***
5. Check devices listed in PAR [Symbol] No Commands in switch, we need to login into PAR through GUI and check it.  ***More information on this***
6. Check EOL[Symbol] No Commands in switch
7. Check Vulnerability in NOS [Symbol] No Commands in switch
8. Check Serial Number [Symbol] Show Chassis
9. Check reporting to syslog [Symbol] Show logging rsalog
10. Check VCS Status  [Symbol]show vcs
11. Check CPU Utilization[Symbol] show process cpu summary
12. Check Memory Utilization[Symbol] show process memory summary
13. Check power supply status[Symbol] show environment power
14. Check Fan status [Symbol] show environment fan
15. Check for any abnormal logs. [Symbol] show logging rsa
16. Check for Switch port CRC error[Symbol]  show interface tengigabitethernet <rbridge>/0/<Port umber>  | i CRC
17. Check for switch port Input/output error[Symbol] show interface tengigabitethernet <rbridge>/0/<Port umber>  | i put
18. Check for Avg utilization. [Symbol] show process cpu rbridge-id <X> summary

Do the same for all the other Access switches.

"1.) Input parameters needed for accessing switch and checking the status.

**We will check with Service manager and provide credentials.**

2.) Commands required for status check. – **Updated**

 3.) What is expected output format and in what file format (html, doc, excel etc)?

**Html**

 4.) If threshold/safety limit alerts needs to be mentioned in report, then please mention limiting values. (If there is a report)

**NA**

 5.) Please mention if report needs to be sent to service mail id or to be uploaded in ticketing tool? (If there is a report)

**Excel sheet format is enough.**

6.) Will the task run on ad-hoc basis (May be manually triggered or triggered from any ticketing tool) or schedule based?"

**Sometimes it required for Ad-hoc basic. Monthly once it need to be scheduled**.