###### Verify NTP or verify the date and time

***Objective:***

Setting date and time are required before application of licenses. Set NTP or date for Ciena SAOS 10.x using Linux commands. Proper data and time setup are required for license application.

***CLI NTP Procedure:***

* Establish a ssh connection to ValCLI

ssh [diag@X.X.X.X](mailto:diag@X.X.X.X)

password: ciena123

* Send the following config command
  + config

system ntp associations remote-ntp-server server-entry 10.33.80.21 admin-state enabled

* Check the NTP State with the following command
  + show ntp client
* The output would be something like:

+---------- NTP CLIENT STATE +

| Name | Value |

+ + +

| Admin State | enabled |

| Mode | polling |

| Polling Min Interval | 16 |

| Polling Max Interval | 16 |

| Auth Admin State | disabled |

| Synchronized | True |

| Delay | 62.161 |

| Offset | 0.006 |

| Jitter | 0.017 |

| Drift (PPM) | -4.485 |

+ + +

+--------- NTP CONFIGURED SERVERS +

| Address | Auth Key ID | Admin State |

+ + + +

| 10.33.80.21 | | enabled |

+ + + +

+ NTP OPER SERVERS

+

| Address | Auth Key ID | Server State | Server Condition | Auth State | Offset |

+ + + + +

+ +

| 10.33.80.21 | | reach | syspeer | none

| 0.006 |

+ + + + +

+ +

***Date & Time Set Procedure:***

* Login to UI using the management IP you checked in the previous step:

ssh [diag@x.x.x.x](mailto:diag@x.x.x.x)

username: diag password: ciena123

* Enter the following command to change the date and time on the system. This will only work if NTP is disabled:

config

system set clock 2018-11-03T18:39:00Z

* Show the system time:

5162-002> show clock

+ System Clock +

| Name | Value |

+ + +

| Current Time | 2018-11-03 18:39:03 UTC |

* To enable NTP, the manually set clock will be overwritten.

config

system ntp admin-state enabled

5162-002> show clock

+ System Clock +

| Name | Value |

+ + +

| Current Time | 2018-11-08 13:22:28 UTC |

+ + +

Test Case Results:

Passed: Yes No Verified by Date/Time Comments