New and Changed Information

See Data Models Configuration Guide for Cisco NCS 1001 and Telemetry Configuration Guide for Cisco NCS 1000 Series to refer the other configuration guides of NCS 1001.

This table summarizes new and changed information for configuration guide for Release 6.5.1, and lists where the features are documented.

Table 1: New and Changed Features - R6.5.1

Feature	Description	Where Documented
OTDR	Optical Time Domain Reflectometer (OTDR) is a line card supported in NCS 1001. The line card contains 2x bidirectional OTDRs and 2x filter that combines C-band, OSC, and OTDR filters and splits OSC and OTDR. Each internal OTDR can perform measurements on both TX and RX fiber by using an internal optical switch. OTDR line card is connected to the OSC port on the optical amplifier. The OTDR measurement is available in a .SOR file and it can be exported from NCS 1001 using SCP, TFTP, and SFTP. The OTDR line card can be inserted in any slot of NCS 1001.	Configure OTDR

Feature	Description	Where Documented
Span Loss Calculation	The Span Loss Calculation is an automatic calculation of span losses between NCS 1001 systems. This feature applies to each topology such as protected or non-protected,linear with or without ILA nodes in the middle. The Span Loss Calculation is a software functionality available for OTS controller so it can be statically enabled or disabled through hw-module configuration.Span loss calculation is made using the TX and RX total power on EDFA ports.	Span Loss Calculation
Dual IP Address	Dual independent XR interfaces allows you to connect the two ethernet interfaces to two different switches of different subnet and also the same subnet. From release 6.5.1, there are different ports from the ethernet switch MGMT RJ45, and Optical SFP MGMT to the CPU.	Dual IP Address
USB Auto Mount	USB Automount feature allows the user to read from or write files and folders onto the USB device. The user can mount and unmount the USB device both in sysadmin-vm and XR. The mounted USB device can be accessed as disk2: file system.	USB Automount
USB Passive Inventory	There are passive units that are part of NCS1001 hardware configuration. It is possible to have information about these passive units as soon as they are connected with a proper USB cable through one of the four available USB ports on the controller card of the box itself. In this case their basic parameters are displayed in the output of "show inventory" command by XR or admin session.	*USB Passive Inventory* section in *Hardware Installation Guide for Cisco NCS 1001*.