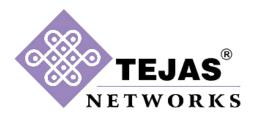
NMS7.5.1.0 New advanced features of NMS to improve user experience



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Basic usage and features of NMS

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- Rich Tool Tips
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Maintenance Operation in NMS

- Alarm clearing procedure from Manage Alarm page
- Advance Alert Message
- Report download feature on client machine
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Ribbon toolbar



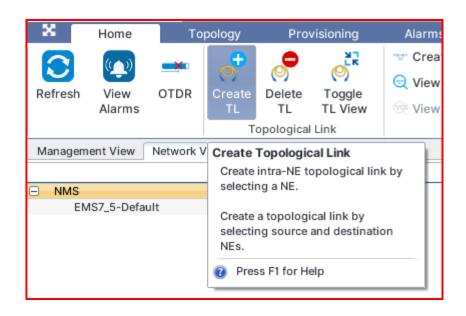
- There is separate Ribbon tool for topology view which has tabs like Home, Topology, Provisioning, Alarms/PM, Manage NE, General Management, View and Reports.
- These Tabs contains related functions and operations.
- Home Tab shall contain most frequently used operations.
- This makes 'Topology view' operations well organized and easily accessible.

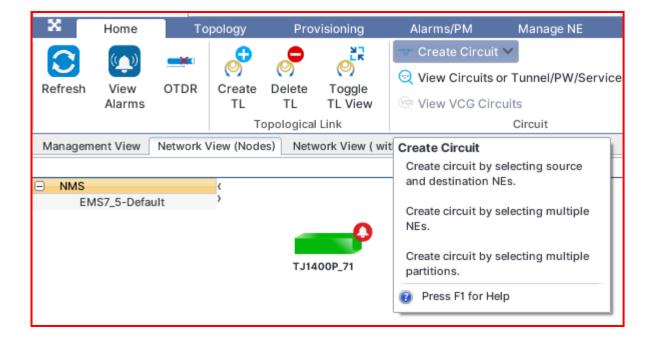


Rich Tool Tips



- For all toolbar operation, tips are present when cursor is placed over the options.
- There is brief explanation given on every toolbar operations.

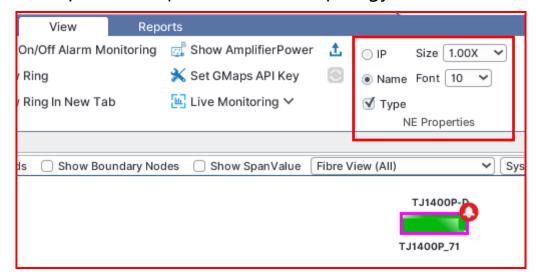




Node properties from Topology view



- Few options are given under Node properties of Topology like:
 - option to display IP/Name of the node.
 - option to display the node type like TJ1400P, TJ14XX or TJ1600c
 - option increase the node icon
 - option to increase font of the label displayed under nodes
- These options are present under Topology view→ View

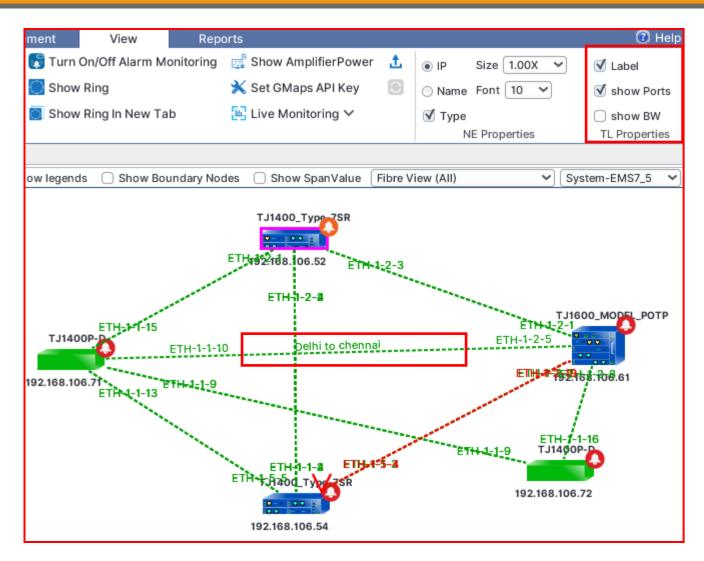


TL properties from Topology view



- Few options are present under TL properties of Topology like:
 - option to view Labels given to TL
 - option to display ports of the TL
 - option to show BW

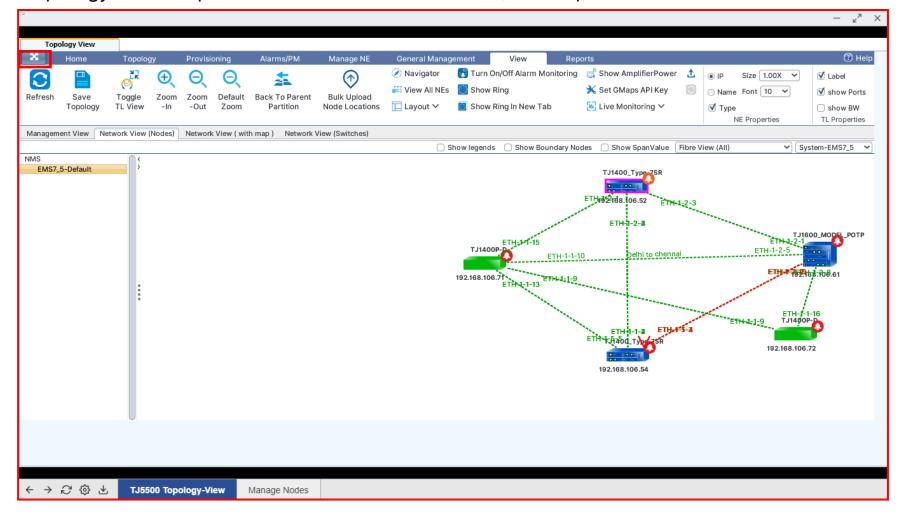
These options are present under Topology view→ View



Expand Topology view in full screen mode



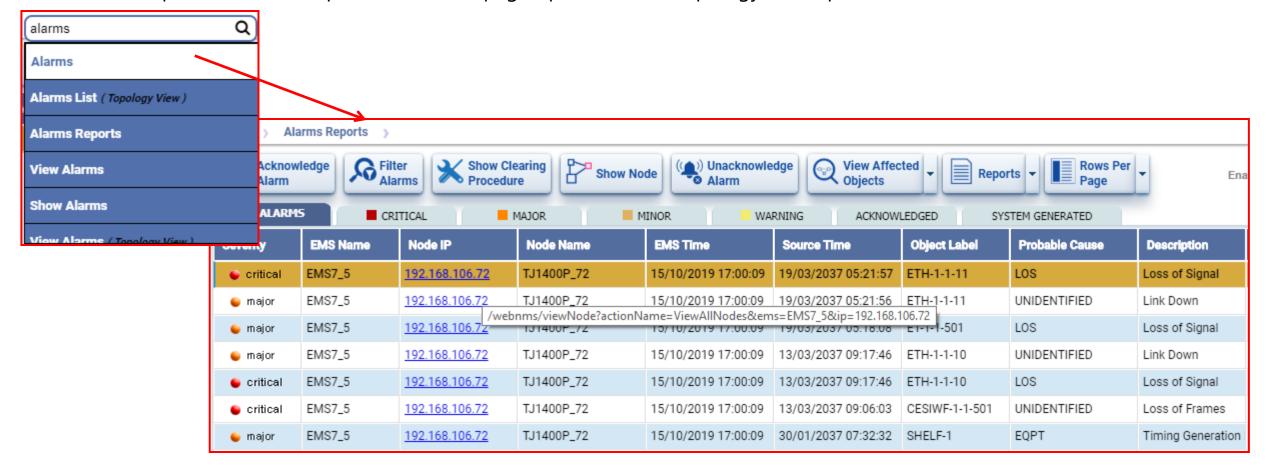
Topology can be opened in full screen mode. Icon is present on the Ribbon Tool bar.



Advance search bar



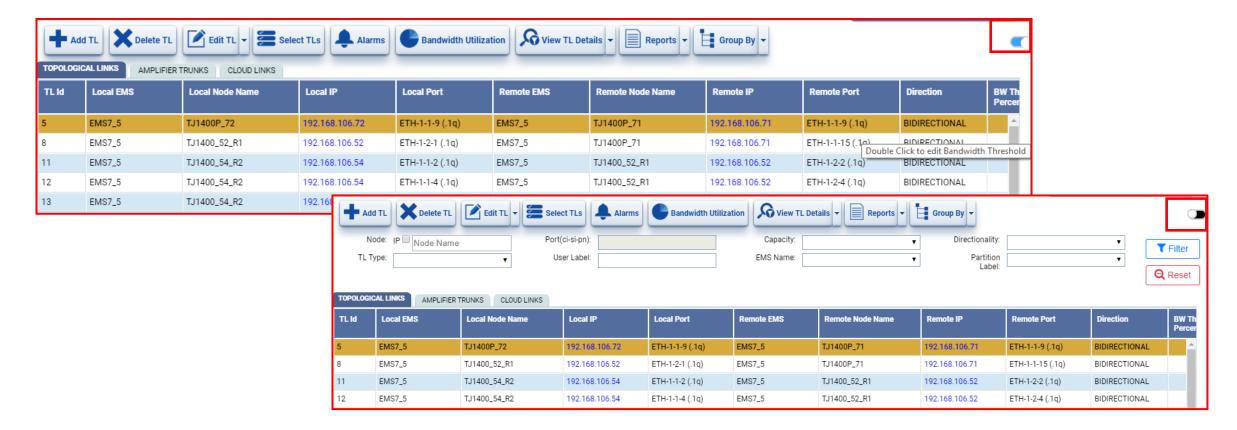
- NMS provides a search bar where pre-defined set of commonly used operations can searched and locate them.
- It also provides search option to internal page operation and Topology view operation



Responsive NMS UI



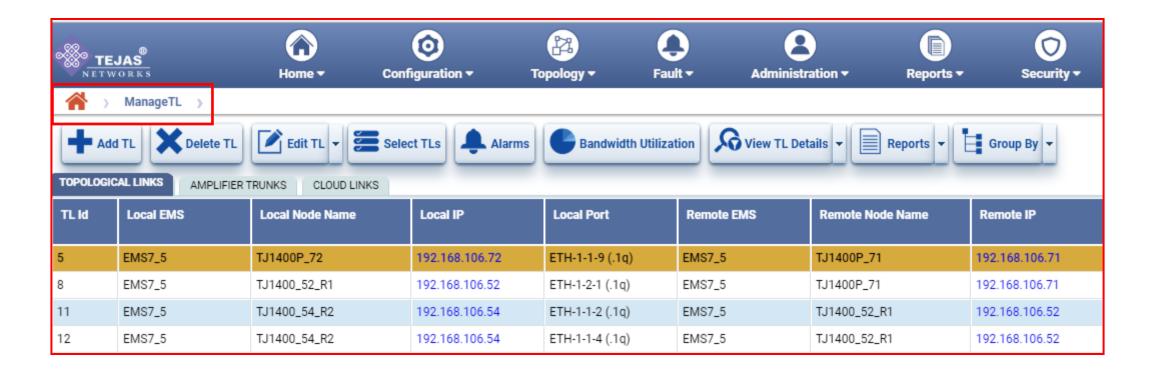
- NMS UI is adaptive to any screen size and any resolution.
- Most of the pages have filter option which is hidden by default.
- User can opt for filters to be displayed and window will automatically shrunk to fit the filter options.



Advance breadcrumbs



NMS7.5 support breadcrumbs which will help user to navigate better.



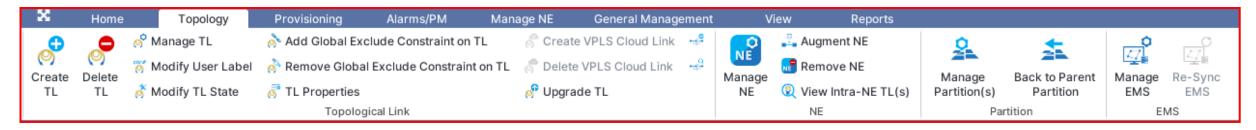
Grouping of Web Tool Bar



- In Topology view, Similar tools are grouped together for easy access of tools.
- Frequently used tools are placed under 'Home' tab. Again under home tools are grouped as per TLs, circuits, switch/tunnel and NE.



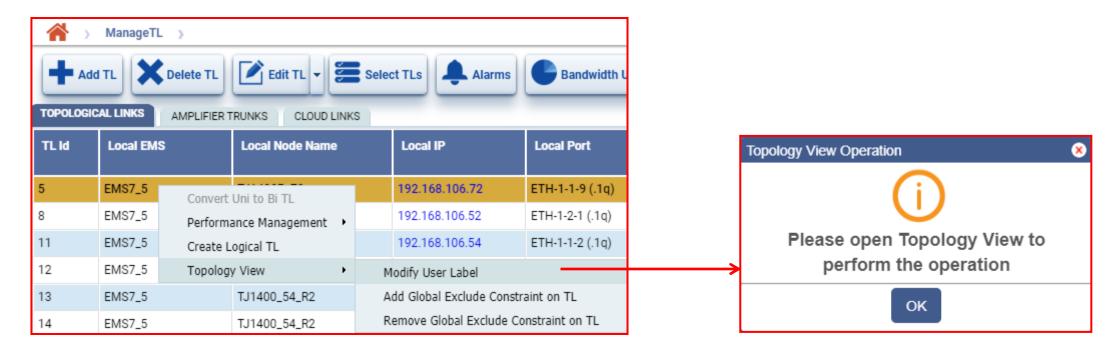
All Topology Tools are placed under 'Topology' like TL related, augmentation etc.



Locate topology operation from other page



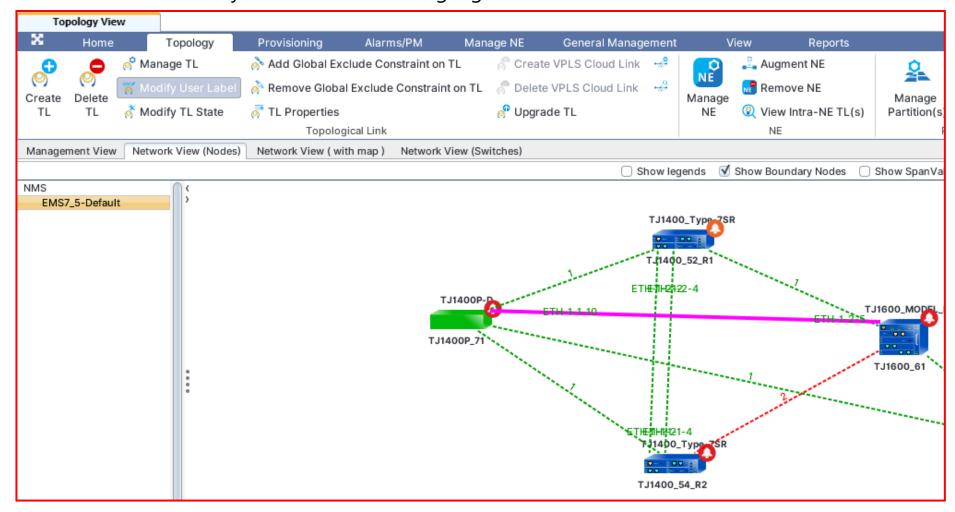
- Most operations when done from Topology view have easy procedure and simple to understand. This NMS has an
 option to locate topology view operations from other pages.
- For Example 'Modify user label' option is shown in Manage TL page. When User clicks on this option user is taken to Topology view and that particular TL and tool is highlighted.



Locate topology operation from other page



• TL is selected and 'Modify User Label' tool is highlighted in the tool bar.



NMS as a Desktop application and Desktop installer



- This version of NMS provides desktop application which can be launched as desktop application independent of the browser.
- NMS also provides desktop Installer for windows and Linux.

Advanced Mega menu



- Menu items are arranged in the form of Mega menu which looks organized and accessible.
- This makes navigation simple and easy.
- User has option to switch to old menu by setting User preferences.



Maintenance



Alarm clearing procedure from Manage alarm page



- For all the alarms, NMS will display alarm clearing procedure.
- Select the alarm and click on 'show'.

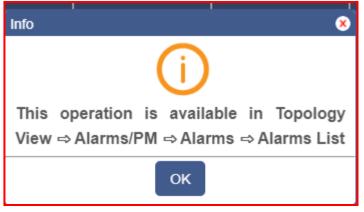
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-12	UNIDENTIFIED	Link Down		
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-13	UNIDENTIFIED	Link Down		
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-2	UNIDENTIFIED	Link Down		«
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-4	UNIDENTIFIED	Link Down		Snow
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-5	UNIDENTIFIED	Link Down		

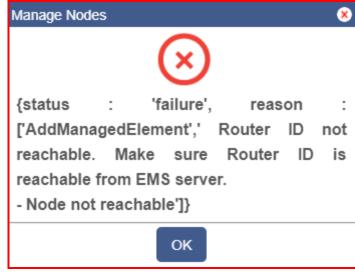
51111531	207_0		10 1 1001 _/ _	10, 10, 2017 17.00.07	10,00,200,00,			Loos or orginal		Node IP : 192.168.106.72
e critical	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	13/03/2037 09:06:03	CESIWF-1-1-501	UNIDENTIFIED	Loss of Frames		Object Label : ETH-1-1-13
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	30/01/2037 07:32:32	SHELF-1	EQPT	Timing Generation		Description : Link Down
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-1	UNIDENTIFIED	Link Down		Clearing Procedure
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-12	UNIDENTIFIED	Link Down		To clear this alarm, 1. Check for the alarm on local VCG
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-13	UNIDENTIFIED	Link Down		port. If the alarm is present, go to
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-2	UNIDENTIFIED	Link Down	□ » Hide	step 3 2. Ensure that local Ethernet port is
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-4	UNIDENTIFIED	Link Down	Hide	admin up
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/203 29/01/2037	07:31:29 5	UNIDENTIFIED	Link Down		Check if the alarm is present on local node
major	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:31:29	ETH-1-1-6	UNIDENTIFIED	Link Down		Ensure that auto negotiation is
critical	EMS7_5	192.168.106.72	TJ1400P_72	15/10/2019 17:00:09	29/01/2037 07:30:36	PCPE02-1-1	EQPT	Fan Failed		enabled on the local node
e critical	EMS7_5			18/10/2019 08:21:01	18/10/2019 08:21:01	NMS139	EMS	Memory Usage Exc		5. Check for the VCG related alarms on the local node Ethernet port

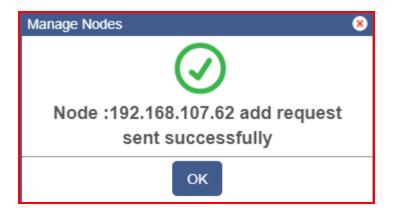
Advance Alert Message



 NMS shall display alert message with new style for categories such has Error, confirmation, information, success, critical and warning.



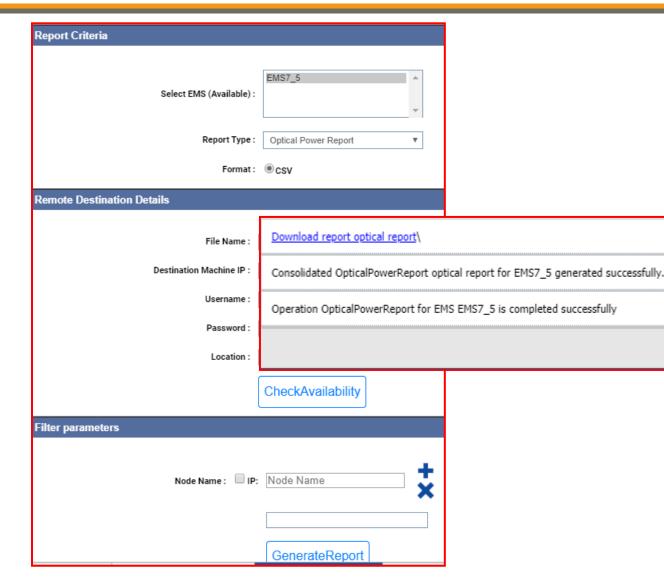




Report download feature on client machine



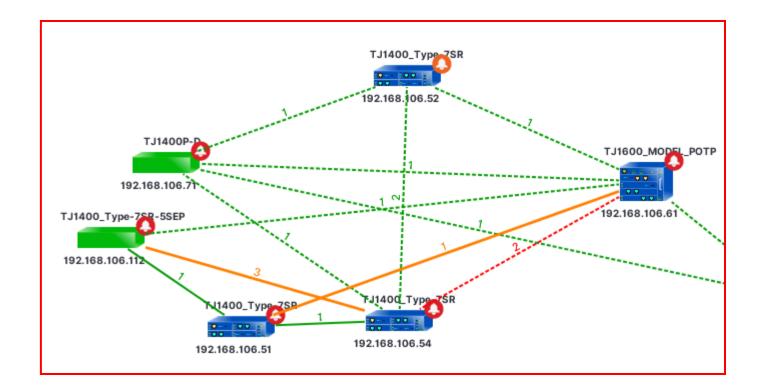
- Few reports can be directly be downloaded in client machine.
- Goto Reports→ Consolidated Reports
- Select required EMS, select the type of report to be generated from the drop down and click on 'Generate report'.
- Once the report is collected, It is will shown as a notification. Click on 'Download report'. Report will be downloaded into client machine.



Alarm display as bubble over node Icon in topology view



- Alarms on the node are represented as a bubble on node in topology view.
- The colour of the alarm bubble corresponds to max severity alarm present on the node.
- Alarms on the node is will be displayed after double clicking in the bubble.





Thank you