

TFN System Monitor

Barco's CMS software is an advanced control room management suite that simplifies display wall management, makes collaboration efficient, and speeds up decision-making – in and beyond the control room. The CMS Add-ons extend the product's functionality, making the software even more powerful, flexible and easy to use.

Description

Transform N System Monitor (TSM) is a platform that enables you to monitor the health status of the components in your networked visualization system. TSM uses the built-in monitoring features of the components and the application's APIs to gather and aggregate live, detailed information. This information is then presented in a user-friendly way to enable rapid, precise detection of a problem.

As TSM is fully aware of the system's health, it has been extended with features to enhance the system's availability by providing alarm functions to external systems (e-mail, SNMP, physical contacts) and failover mechanisms (NGP N+1 redundancy).

All events that are registered are logged, and they can be analyzed via sorting or search values. For reporting purposes, the events can be exported in plain text or .csv format.

The screenshot displays the Barco TransformN System Monitor application. The main window is titled 'Barco TransformN System Monitor' and contains several panes:

- Left Pane (Tree View):** Shows a hierarchical view of system components. The selected component is 'c-drive [53%]' under 'Gaudi Demo Room'. Other visible components include 'Kuurne Test Room', 'CMS 2.7', 'Network (eth0 [10.193.2.129])', 'Hosted Service', 'SOAP API', 'Admin PC', 'Video Services', 'Display-Agent', 'CPU', 'Hard Drive', 'TFA', 'TFA-SVC#1', 'TFA-SVC#2', 'OL-521 1x2', 'Gaudi Demo Room', 'CMS Gaudi 2.7', 'NGP-200 3x3 LEFT', and 'NGP-200 3x3 MID'.
- Right Pane (Properties):** Shows the properties of the selected component. The 'SnmpHardDrive' property is set to 'UP'.
- Center Pane (Logs):** Displays a table of system events. The table has columns for 'Time', 'State(Previous)', 'State(New)', 'Device', and 'Component'. The following table represents the data shown in the logs:

Time	State(Previous)	State(New)	Device	Component
28-Nov-2014 10:54:54 AM	UNKNOWN	UP	NGP-224 2x2 OLF-521	[192.168.120.70]
28-Nov-2014 10:54:53 AM	UNKNOWN	DOWN	Workstation 1	[192.168.120.50]
28-Nov-2014 10:54:48 AM	UNKNOWN	UP	NGS-D220	[192.168.120.42]
28-Nov-2014 10:54:48 AM	UNKNOWN	UP	NGP-324 for LDX-55	[192.168.120.44]
28-Nov-2014 10:54:47 AM	UNKNOWN	DOWN	VDS for 3x3	[192.168.120.31]
28-Nov-2014 10:54:42 AM	UNKNOWN	UP	NGS-D200	[192.168.120.25]
28-Nov-2014 10:54:42 AM	UNKNOWN	UP	2x2 NSL-5521 Control...	[192.168.120.30]
28-Nov-2014 10:54:41 AM	UNKNOWN	UP	NGP-200 3x3 RIGHT	[192.168.120.62]
28-Nov-2014 10:54:40 AM	UNKNOWN	UP	NGP-200 3x3 MID	[192.168.120.61]
28-Nov-2014 10:54:39 AM	UNKNOWN	UP	NGP-200 3x3 LEFT	[192.168.120.60]
28-Nov-2014 10:54:38 AM	UNKNOWN	UP	CMS Gaudi 2.7	[192.168.120.12]
28-Nov-2014 10:54:37 AM	UNKNOWN	UP	OL-521 1x2	[10.193.2.163]

The interface also shows a status bar at the bottom with 'Connected' and a version/build number '2.7 Build 0269'.

Benefits

- Live view on your system's health, enabling pro-active maintenance and fast response (including CMS cluster status)
- Direct access to device webpages or ssh sessions
- Optionally: management of NGP N+1 redundancy
- Status messaging via e-mail (pending), SNMP traps, physical contacts
- Client-Server architecture: multiple clients can be operated at the same time
- Easy export of system events via .csv file for reporting
- Data polling parameters are configurable – so, tuning for balance between detection speed and network load is possible

Deliverables

- TSM installation software (client and server)
- TSM installation and user manual

Considerations

- Detailed monitoring requires activation of SNMP agent (v2c) on workstations and NGP controllers.

How to order

Contact your Barco sales representative.