

NetGain Network Configuration Management Datasheet

The network has become an integral part of an enterprise. The rapid growth in networks has created a need for greater network performance and manageability. The cloud, new apps, mobile, and IoT are among the technologies driving the growth of networks. In this landscape of rapidly advancing technology, businesses must find ways to manage the many connected devices in the enterprise.

Network configuration is the process of assigning network settings, policies, flows, and controls in networking devices. Network Configuration Management (NCM) is a broad term for the organization and management of a computer network. All types of networks, including local area networks, wireless networks and virtual networks, need maintenance, modification, repair, and general monitoring. NCM involves collecting different information about hardware devices, software programs and other elements of the network in order to support administration and troubleshooting.

NetGain Network Configuration Management (NCM)

NetGain NCM is a powerful and yet easy to use tool to manage the configuration of the network and devices. Using NetGain NCM to automate the management of your network configuration will reduce time spent on repetitive yet necessary tasks, coordinate changes throughout the network, and help ensure your network runs at peak performance. The software will minimize configuration errors and optimize the security of your network.

NetGain NCM is available as an on-premise software or as a software-as-a-service (SaaS) offering.

Key Features

- Automatic configuration backups

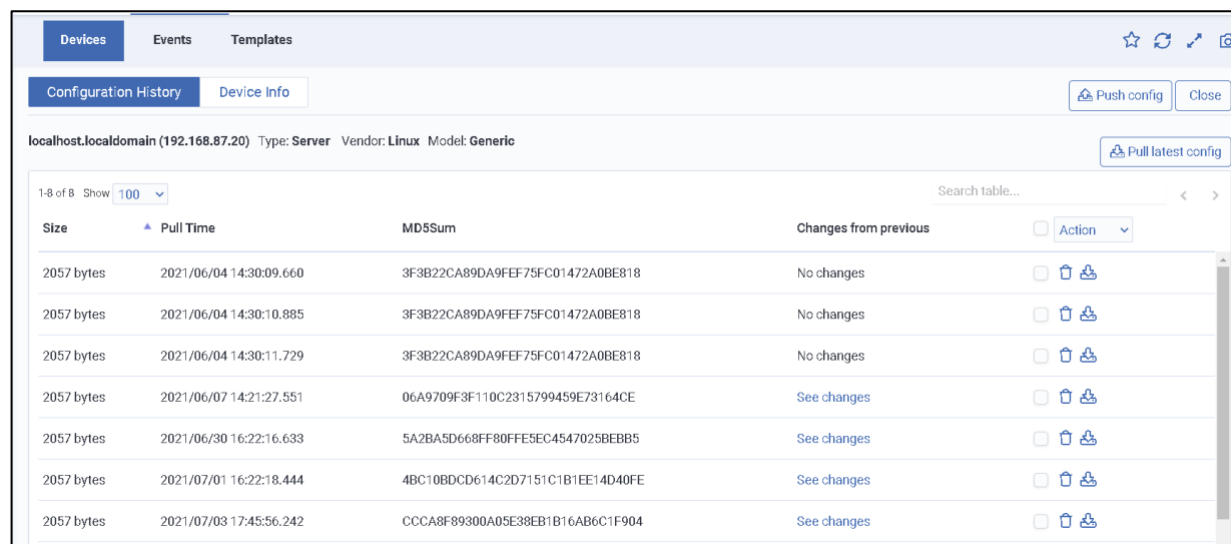
The system sets a baseline for the configuration, and regular backups are taken of the device configuration and saved. The operator can search for and look at specific configuration versions based on the dates of the backup. Besides saving the backups, we also support push of configuration to the devices.

We support the different brands of networking switches and routers, including Cisco, Juniper, Huawei, H3C and others.

The operator can set scheduled backups so that the process is done automatically and regularly.

- Bulk push and pull of configuration backups

The system offers the capability to do bulk push and pull to a group of devices as defined by the operator. This makes the process fast and easy for the operator.



The screenshot shows the 'Configuration History' tab in the NetGain interface. At the top, there are tabs for 'Devices', 'Events', and 'Templates'. Below these, there are buttons for 'Push config' and 'Close'. The main header area displays device information: 'localhost.localdomain (192.168.87.20) Type: Server Vendor: Linux Model: Generic'. There is also a 'Pull latest config' button. The table below lists configuration history entries with columns for Size, Pull Time, MD5Sum, Changes from previous, and Action. The table shows 8 entries, with the first three having 'No changes' and the subsequent four having 'See changes'.

Size	Pull Time	MD5Sum	Changes from previous	Action
2057 bytes	2021/06/04 14:30:09.660	3F3B22CA89DA9FEF75FC01472A0BE818	No changes	<input type="checkbox"/>
2057 bytes	2021/06/04 14:30:10.885	3F3B22CA89DA9FEF75FC01472A0BE818	No changes	<input type="checkbox"/>
2057 bytes	2021/06/04 14:30:11.729	3F3B22CA89DA9FEF75FC01472A0BE818	No changes	<input type="checkbox"/>
2057 bytes	2021/06/07 14:21:27.551	06A9709F3F110C2315799459E73164CE	See changes	<input type="checkbox"/>
2057 bytes	2021/06/30 16:22:16.633	5A2BA5D668FF80FFE5EC4547025BEBB5	See changes	<input type="checkbox"/>
2057 bytes	2021/07/01 16:22:18.444	4BC10BDCD614C2D7151C1B1EE14D40FE	See changes	<input type="checkbox"/>
2057 bytes	2021/07/03 17:45:56.242	CCCA8F89300A05E38EB1B16AB6C1F904	See changes	<input type="checkbox"/>

- Live comparison for configuration changes

The system shows live comparison for configuration changes. The change is highlighted so that the operator has a quick view of the changes.

An alert can be generated when there are changes found, and the operator can be notified by the system.

44	no ip route-cache	44	no ip route-cache
45	no keepalive	45	no keepalive
46	no cable proxy-arp	46	no cable proxy-arp
47	cable helper-address 10.1.70.30	47	cable helper-address 10.1.70.30
48	cable downstream annex B	48	cable downstream annex B
49	cable downstream modulation 64qam	49	cable downstream modulation 64qam
50	cable downstream interleave-depth 32	50	cable downstream interleave-depth 32
51	cable upstream 0 spectrum-group 1	51	cable upstream 0 spectrum-group 1
52	cable upstream 0 modulation-profile 3	52	cable upstream 0 modulation-profile 3
53	cable downstream frequency 531000000	53	cable downstream frequency 531000000
54	cable upstream 0 frequency 280000000	54	cable upstream 0 frequency 280000000
55	cable upstream 0 power-level 0	55	cable upstream 0 power-level 0
56	no cable upstream 0 shutdown	56	no cable upstream 0 shutdown
57	cable upstream 1 shutdown	57	cable upstream 1 shutdown
58	cable upstream 2 shutdown	58	cable upstream 2 shutdown
59	cable upstream 3 shutdown	59	cable upstream 3 shutdown
60	cable upstream 4 shutdown	60	cable upstream 4 shutdown
61	cable upstream 5 shutdown	61	cable upstream 5 shutdown
62	!	62	!
63	!	63	!
64	router eigrp 100	64	router eigrp 100
65	network 10.0.0.0	65	network 10.0.0.0
66	!	66	!
67	ip classless	67	ip classless
68	no ip http server	68	no ip http server
69	!	69	!
70	!	70	!
71	!	71	!
72	line con 0	72	line con 0
73	password cisco	73	password cisco
74	login	74	login
75	transport input none	75	transport input none
76	line aux 0	76	line aux 0
77	line vty 0 4	77	line vty 0 4
78	password cisco	78	password cisco
79	login	79	login
80	time:2021/07/03 17:45	80	time:2021/07/04 17:45
81	!	81	!
82	end	82	end
83		83	

System Requirements

The requirements for running and operating NetGain NCM will depend on the number of devices and the size of the network it is deployed in. The following gives an indication of the hardware requirements for a given IT environment.

Minimum Hardware specification:		
	Minimum	Recommended
CPU	Dual Core Intel-compatible x64 CPU	Quad Core Intel-compatible x64 CPU
Hard disk	200GB	500GB
RAM	8GB	16GB
OS Supported	Linux-CentOS / RHEL8 or equivalent	Linux-CentOS / RHEL8 or equivalent
Browser Supported	Firefox, Google Chrome, Safari, Microsoft Edge.	Firefox, Google Chrome, Safari, Microsoft Edge.

For sizing matters, please contact the NetGain presales team.

About NetGain Systems

Founded in 2002, NetGain Systems is a pioneer in the IT monitoring business, and continues to develop its business as it evolves from IT monitoring to IT observability. It has established local teams throughout the Asia Pacific Region, including Australia, China and Singapore.

Regardless of location, type, size, or complexity, our solutions give our customers the power to observe their IT infrastructure, services, applications and devices with ease, all from a single management dashboard, to achieve operational excellence with reduced complexity and gain useful insights to improve business outcomes.

By understanding that every organization's IT environment is different, NetGain's dynamic solutions are designed to be highly adaptable, fitting the unique demands of your operating environment and evolving with your growing organization.

Elasticsearch and Filebeats are trademarks of Elasticsearch B.V., registered in the U.S. and in other countries.

Apache, Apache Lucene, Apache Hadoop, Hadoop, HDFS and the yellow elephant logo are trademarks of the Apache Software Foundation in the United States and/or other countries.