

OpenNMS 101

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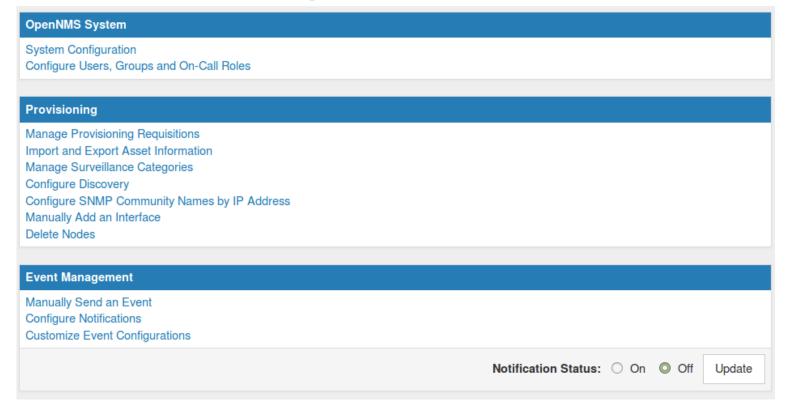


Module 2: Getting Started

The OpenNMS Home Page

MERIDIAN opennus					, 2016 05:47 JST 🙋
Home			Search Info ▼ Sta	atus ▼ Reports ▼ Dashboards ▼ Ma	aps ▼ 👤 admin ·
Nodes with Pending Problems	Availability Over the Past 24 Hours			Notifications	
There are no pending problems.	Categories	Outages Availabili	ty	▲ You have no outstanding notices	
	Network Interfaces	0 of 0	100.000%	★ There are no outstanding notices★ On-Call Schedule	
Nodes with Outages	Web Servers	0 of 0	100.000%		
There are no current outages	Email Servers	0 of 0	100.000%	Resource Graphs	
	DNS and DHCP Servers	0 of 0	100.000%	Search	1
	Database Servers	0 of 0	100.000%		
	JMX Servers	0 of 0	100.000%	KSC Reports	
	Other Servers	0 of 0	100.000%	No KSC reports defined	
	Total	Outages Availabili	ty	Search	1
	Overall Service Availability	0 of 0	100.000%		
				Quick Search	
				Node ID:	
				Search	1
				Node label like:	
				Search	n
				TCP/IP Address like:	
				**** Search	n
				Providing service:	

Configuration Menu



Configuration Menu (cont)

Service Monitoring

Configure Scheduled Outages

Manage and Unmanage Interfaces and Services

Performance Measurement

Configure SNMP Collections and Data Collection Groups Configure SNMP Data Collection per Interface Configure Thresholds

Distributed Monitoring

Manage Monitoring Locations Manage Applications Manage Remote Pollers Manage Minions

Additional Tools

Instrumentation Log Reader
Data Choices
SNMP MIB Compiler
Ops Board Configuration
Surveillance Views Configuration
JMX Configuration Generator
OpenNMS Plugin Manager



Exercise #2: Add an Admin User

- Login as "admin"
- Create a new user
- Add the user to the "admin" group
- Logout
- Login as the new user
- Note the status of the Configure OpenNMS menu item
- Logout
- Modify magic-users.properties
- Login as the new user
- Note the status of the Configure OpenNMS menu item



OpenNMS File Locations

- /opt/opennms/bin: OpenNMS binary files
- /opt/opennms/etc: Configuration files
- /opt/opennms/jetty-webapps: Web server
- /opt/opennms/lib: Compiled libraries
- /opt/opennms/share: Reports and RRD data (symlink to /var/opennms)
- /opt/opennms/logs: Log Files (symlink to /var/log/opennms)

OpenNMS File Types

There are main two types of OpenNMS files:

• XML Files

The eXtensible Markup Language creates files that are both Human and Machine readable.

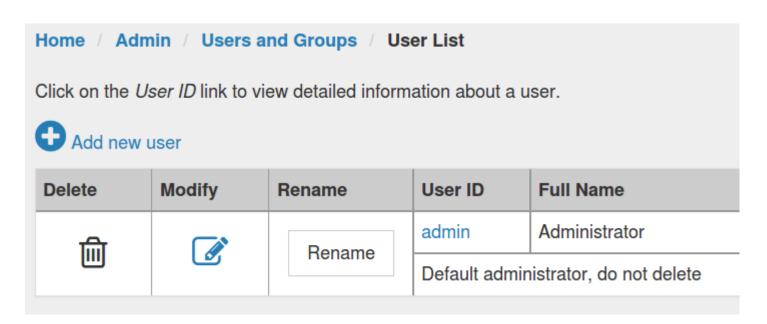
• .properties Files

Format of variable = value <cr>
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Add a User

Navigate to Configure Users, Groups and On-Call Roles → Configure Users





Create Name and Password

MERIDIAN OPERNMS	
Home / Admin / Users and Groups	/ User List / New User
Please enter a user ID and password	below
User ID:	tarus
Password:	•••••
Confirm Password:	•••••
	OK Cancel



Home / Admin / Users and Groups / User List / Modify User							
Modify User: tarus							
User Password							
	Reset Password						
User Inforn	nation						
Full Name:	Tarus Balog						
Comments:	He's an odd one, ain't he?						



Notification Information

Notification Information

Email:	root@localhost
Pager Email:	
XMPP Address:	
Address:	
Microblog Username:	
osername:	
Numeric	
Service:	
Numeric	
PIN:	
Text Service:	
Text PIN:	
Work Phone:	
Mobile	
Phone:	
Home	
Phone:	
Phone:	

Duty Schedules

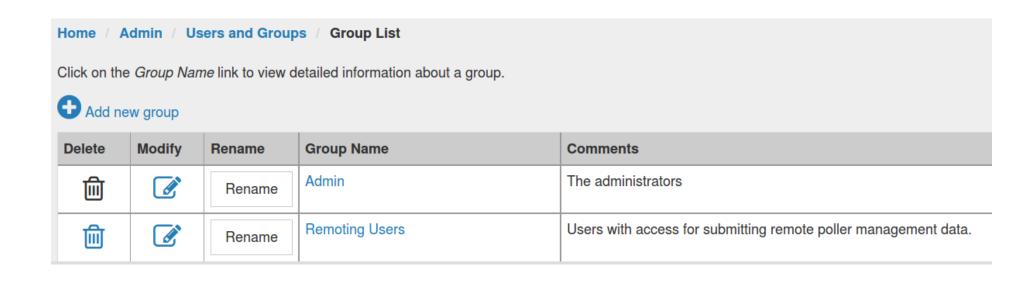
Dut	Duty Schedule									
	Delete	Мо	Tu	We	Th	Fr	Sa	Su	Begin Time	End Time
1		×	×			×			0700	1900
2		×	×	×		×	×		0	2359
	Add This Many Schedules 1 • Remove Checked Schedules									

Click Finish!

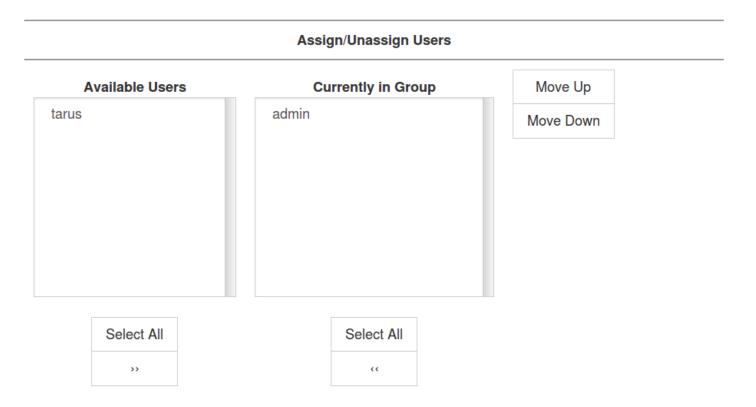
Finish Cancel

Add a User to a Group

Navigate to Configure Users, Groups and On-Call Roles → Configure Groups







Group Categories (ACLs)

Assign/Unassign Categories

Available Categories

Routers

Switches

Servers

Production

Test

Development

TH-Storage-High-95

TH-Storage-Relative-33

TH-Network-Discards-High-5

TH-System-Temp-High-55

Currently in Group

Move Up

Move Down

Select All

>>

Select All

< <

Group Duty Schedules

Dut	Duty Schedules										
	Delete	Мо	Tu	We	Th	Fr	Sa	Su	Begin Time	End Time	
1		×	×	×	×	×			0700	1900	
Add This Many Schedules 1											
Remove Checked Schedules											

magic-users.properties

```
## R O L E S
# A comma-separated list of role keys. A role.{KEY}.name and
# role.{KEY}.users property must be set for each key in this property.
roles=rtc, admin, rouser, dashboard, provision, remoting, rest, asset,
mobile
# This role allows a user to make RTC data posts.
role.rtc.name=OpenNMS RTC Daemon
role.rtc.users=rtc
role.rtc.notInDefaultGroup=true
# This role allows users access to configuration and
# administrative web pages.
role.admin.name=OpenNMS Administrator
role.admin.users=admin, tarus
# This role disallows user write access
```

role.rouser.name=OpenNMS Read-Only User

role.rouser.users=