



OpenNMS 101

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<http://www.opennms.org/Training>

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Module 2: Getting Started (Horizon 19+)

Log in to OpenNMS



Username

Password

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Opt-In (or not)

Help Improve OpenNMS

Please opt-in to send anonymous OpenNMS usage statistics to [OpenNMS Statistics](#). This will help us improve your OpenNMS software and you can change this setting at anytime from the Admin menu.

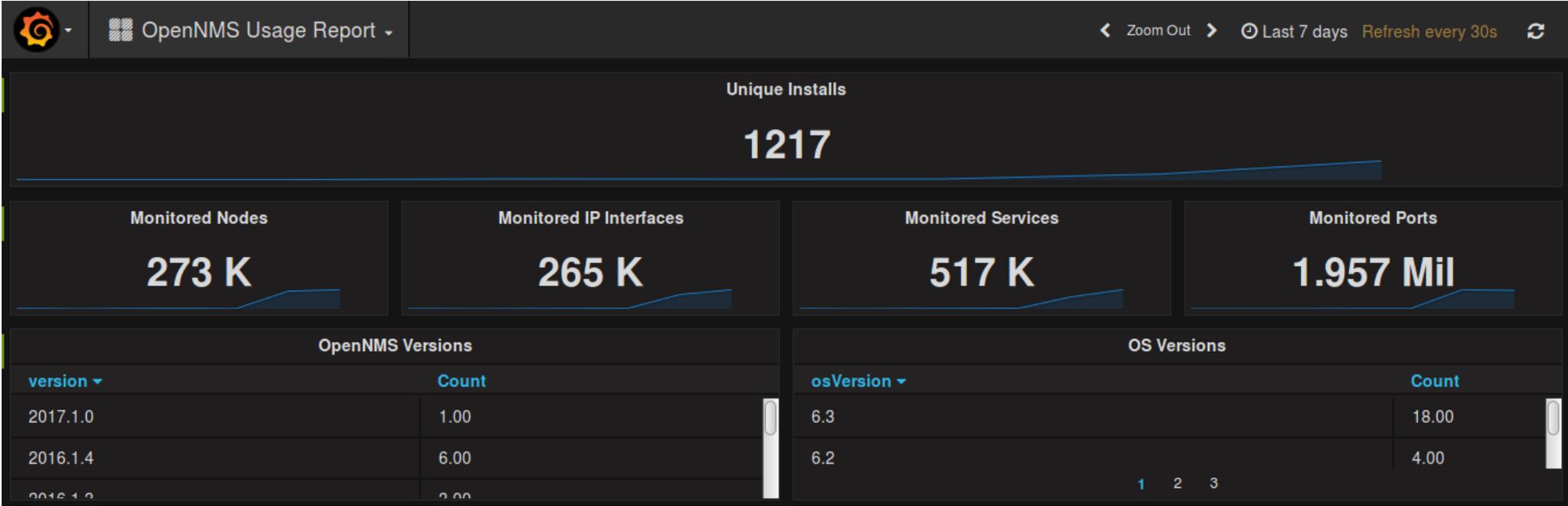
Show me what is being sent.

```
{
  "alarms": 0,
  "events": 16,
  "ipInterfaces": 0,
  "monitoredServices": 0,
  "nodes": 0,
  "nodesBySysOid": {},
  "osArch": "amd64",
  "osName": "Linux",
  "osVersion": "3.10.0-514.el7.x86_64",
  "packageName": "opennms",
  "snmpInterfaces": 0,
  "systemId": "b4a8296f-8709-4d4b-9d0d-07e78afdbd07",
  "version": "19.0.1"
}
```

Opt-in

Opt-out

stats.opennms.org



The OpenNMS Home Page

HORIZON
openNMS

Mar 10, 2017 14:46 EST 

Search Info Status Reports Dashboards Maps admin

Home

Nodes with Pending Problems

There are no pending problems.

Nodes with Outages

There are no current outages

Business Services with Pending Problems

There are no pending problems.

Applications with Pending Problems

There are no pending problems.

Availability Over the Past 24 Hours

Categories	Outages	Availability
Network Interfaces	0 of 0	100.000%
Web Servers	0 of 0	100.000%
Email Servers	0 of 0	100.000%
DNS and DHCP Servers	0 of 0	100.000%
Database Servers	0 of 0	100.000%
JMX Servers	0 of 0	100.000%
Other Servers	0 of 0	100.000%
Total	Outages	Availability
Overall Service Availability	0 of 0	100.000%

Regional Status



Leaflet | Map data © OpenStreetMap contributors under ODbL, CC BY-SA 2.0

Notifications

- You have no outstanding notices
- There are no outstanding notices
- On-Call Schedule

Resource Graphs

KSC Reports

Quick Search

Node ID:

Node label like:

TCP/IP Address like:

Providing service:

Configuration Menu

OpenNMS System

System Configuration

Configure Users, Groups and On-Call Roles

Provisioning

Manage Provisioning Requisitions

Import and Export Asset Information

Manage Surveillance Categories

Configure Discovery

Run Single Discovery Scan

Configure SNMP Community Names by IP Address

Manually Add an Interface

Delete Nodes

Event Management

Manually Send an Event

Configure Notifications

Customize Event Configurations

Notification Status: On Off



Configuration Menu (cont)

Service Monitoring

- Configure Scheduled Outages
- Manage and Unmanage Interfaces and Services
- Manage Business 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
- Log Back in as “admin”
- Add ROLE_ADMIN to the new user
- Logout
- 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>

Add a User

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

[Home](#) / [Admin](#) / [Users and Groups](#) / [User List](#)

Click on the *User ID* link to view detailed information about a user.

 Add new user

Delete	Modify	Rename	User ID	Full Name	Email	Pager Email	XMPP Address
		<input type="text" value="Rename"/>	admin	Administrator			
Default administrator, do not delete							
		<input type="text" value="Rename"/>	rtc	RTC			
RTC user, do not delete							

Create Name and Password

[Home](#) / [Admin](#) / [Users and Groups](#) / [User List](#) / [New User](#)

Please enter a user ID and password below

User ID:

Password:

Confirm Password:

Add Name and Details

Modify User: tarus

User Password

User Information

Full Name:

Comments:

Security Roles:	Available Roles	Currently in User
	<ul style="list-style-type: none">ROLE_ASSET_EDITORROLE_DASHBOARDROLE_JMXROLE_MINIONROLE_MOBILEROLE_PROVISIONROLE_READONLYROLE_REMOTINGROLE_RESTROLE_RTCROLE_USER	



Notification Information

Notification Information

Email:

root@localhost

Pager Email:

**XMP
Address:**

**Microblog
Username:**

**Numeric
Service:**

Numeric PIN:

Text Service:

Text PIN:

Work Phone:

**Mobile
Phone:**

Home Phone:

Duty Schedules

Duty Schedule										
	Delete	Mo	Tu	We	Th	Fr	Sa	Su	Begin Time	End Time
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0900	1700				
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	2359						

Add This Many Schedules

Remove Checked Schedules

Click Finish!

Finish

Cancel

Add a User to a Group

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

Click on the *Group Name* link to view detailed information about a group.

 Add new group

Delete	Modify	Rename	Group Name	Comments
		<input type="text" value="Rename"/>	Admin	The administrators
		<input type="text" value="Rename"/>	Remoting Users	Users with access for submitting remote poller management data.

Add New User to Admin Group

Assign/Unassign Users

Available Users

tarus

Currently in Group

admin

Move Up

Move Down

Select All

>>

Select All

<<

Group Categories (ACLs)

Assign/Unassign Categories

Available Categories	Currently in Group	Move Up
Routers Switches Servers Production Test Development TH-Storage-High-95 TH-Storage-Relative-33 TH-Network-Discards-High-5 TH-System-Temp-High-55 TH-Network-Bandwidth-High-99		Move Down
Select All	Select All	
>>	<<	

Group Duty Schedules

Duty Schedules										
	Delete	Mo	Tu	We	Th	Fr	Sa	Su	Begin Time	End Time
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0700	1900				

Add This Many Schedules

Remove Checked Schedules

Add User to ROLE_ADMIN

User Information

Full Name:

Tarus BALOG

Comments:

He's an odd one, ain't he?

Security Roles:

Available Roles

ROLE_ASSET_EDITOR
ROLE_DASHBOARD
ROLE_JMX
ROLE_MINION
ROLE_MOBILE
ROLE_PROVISION
ROLE_READONLY
ROLE_REMOTING
ROLE_REST
ROLE_RTC
ROLE_USER

» Add

Currently in User

ROLE_ADMIN

« Remove