OpenNMS 101

Tarus Balog
tarus@opennms.com
http://www.opennms.org/Training

Module 2: Getting Started (Horizon 19+)

Log in to OpenNMS

Username   Username

Password   Password

Login

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.
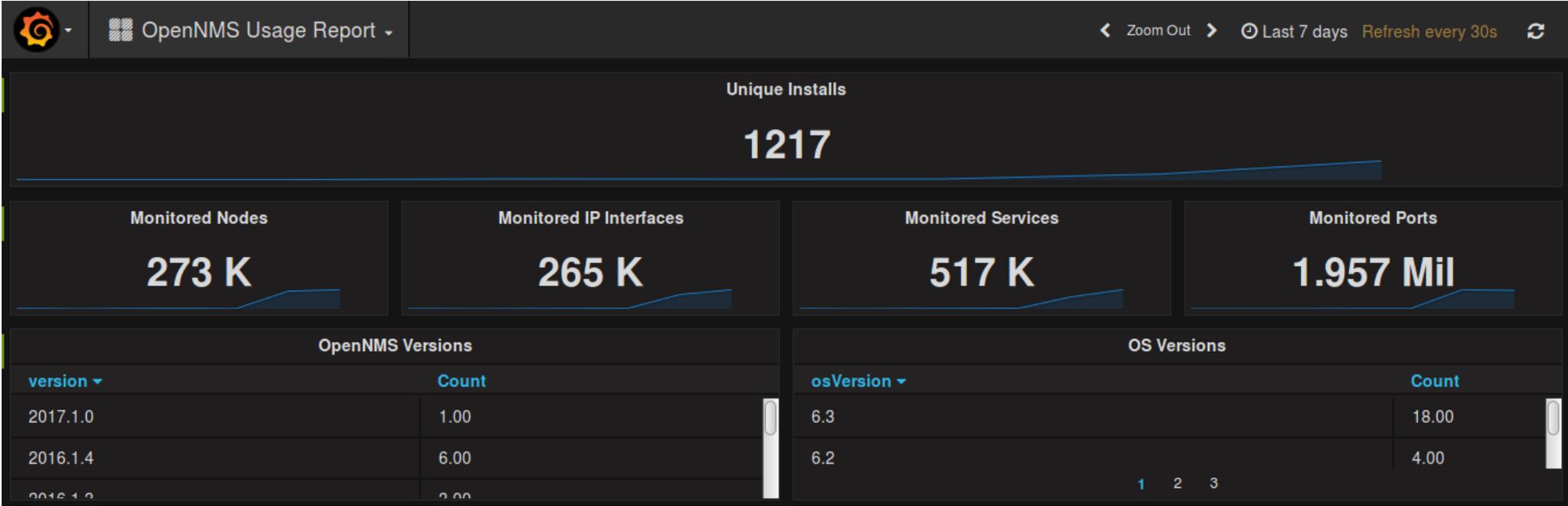
Show me what is being sent.

```
{
  "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

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 [Update]

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

Create Name and Password

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

Add Name and Details

Modify User: tarus

User Password

Reset Password

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

Currently in User

›› Add

‹‹ Remove

Notification Information

Notification Information

Email: root@localhost

Pager Email:

XMPP Address:

Microblog Username:

Numeric Service:

Numeric PIN:

Text Service:

Text PIN:

Work Phone:

Mobile Phone:

Home Phone:

Duty Schedules

	Delete	Mo	Tu	We	Th	Fr	Sa	Su	Begin Time	End Time
1	☐	☒	☒	☒	☒	☒	☐	☐	0900	1700
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

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

➕ Add new group

Delete	Modify	Rename	Group Name	Comments
🗑	✎	Rename	Admin	The administrators
🗑	✎	Rename	Remoting Users	Users with access for submitting remote poller management data.

Add New User to Admin Group

Group Categories (ACLs)

Assign/Unassign Categories

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

Select All

››

Select All

‹‹

Group Duty 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

Currently in User

ROLE_ADMIN

›› Add

‹‹ Remove