



## Open NMS – Add Node

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*Readme*

**Version 1.0**

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## **1. Introduction**

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This document contains all essential information of Open NMS for the user to make full use of the Bot or Digital worker. This manual includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the Bot.

The work of this bot/digital worker is to add a node

### **1.1 Overview**

Open NMS is a free and open-source enterprise grade network monitoring and network management platform. It is developed and supported by a community of users and developers and by the Open NMS Group, offering commercial services, training and support.

The goal is for Open NMS to be a truly distributed, scalable management application platform for all aspects of the FCAPS network management model while remaining 100% free and open source. Currently the focus is on Fault and Performance Management.

All code associated with the project is available under the Affero General Public License.

The Open NMS Project is maintained by The Order of the Green Polo.

Some of the features are

- Event Management and Notifications
- Discovery and Provisioning
- Service Monitoring
- Add a Node
- Delete a Node

### **1.2 Common Use cases**

The work of this bot/digital worker is to add a node. What is a node? A node can be a server, a desktop, or just about any device attached to your network. However, we are going to concentrate on servers.

To demonstrate, I'm going to add an Ubuntu Server to an instance of OpenNMS. Once added, you can stay informed on the status of that node, as well as manage it from within the OpenNMS web interface.

So let's add a node of type switch.

## **2. Requirements & Prerequisites**

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### **2.1 System Requirements**

Minimum Hardware Configuration requirement needed for successful execution.

Windows OS: 10, Server 2008, Server 2012, and Server 2016.

Cores: 8

RAM: 8 GB

Memory: 100 GB

### **2.2 Prerequisites**

Automation Anywhere Enterprise v11.X.

Open NMS

### **2.3 Disclaimers**

Required

1. Username
2. Password
3. Requisition
4. IP Address
5. Community String
6. Open NMS URL with port e.g. <http://xxx.xxx.xxx.xxx:yyyy/>

Provided

Category: Switch

## **3. Getting Started**

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### **3.1 Installation Hierarchy**

Download the bot from Bot Store.

- Unzip the zip archive.
- For first time users, create “Bot Store” folder under <AA Directory>/My Tasks (on your local disk).
- Copy folder “Read Content-AA” to above created Bot Store folder inside <AA Directory>/My Task in Automation Anywhere folder on your local disk.
- Move the “[Utilities] ReadContentFromFile.mbot” file from (unzipped) Read Content-AA/My Metabots to <AA Directory>/My Metabots folder in Automation Anywhere directory on your local disk.

Create the following folder structure of the content in the AA Dir:

<AA Directory>

o My Tasks

Bot Store

Read Content-AA (Folder)

o My Task

Open NMS Add Node-In2ITTechnologies.atmx

o Error Folder

Logs (Folder)

Error Logs Day-Month-Year\_Hour-Minute-Seconds.txt

Snapshots (Folder)

Error Snap Day-Month-Year\_Hour-Minute-Seconds.png

## 3.2 Configuration

- For External Required Values –

<b>INPUT VARIABLES: Input Variables to be mentioned in this Table</b>				
<b>Variable Name</b>	<b>Type</b>	<b>Mandatory</b>	<b>Purpose</b>	<b>Example Input</b>
<i>vOpenNMSURL</i>	<i>Value</i>	<i>Yes</i>	<i>URL</i>	<i>123.234.345.456</i>
<i>vOpenNMSPort</i>	<i>Value</i>	<i>Yes</i>	<i>Port</i>	<i>1234</i>
<i>vUserName</i>	<i>Value</i>	<i>Yes</i>	<i>User Name</i>	<i>UserName@123</i>
<i>vPassword</i>	<i>Value</i>	<i>Yes</i>	<i>Password</i>	<i>Password@123</i>
<i>vRequisition</i>	<i>Value</i>	<i>Yes</i>	<i>Requisition</i>	<i>Test123</i>
<i>vIPAddress</i>	<i>Value</i>	<i>Yes</i>	<i>IP Address</i>	<i>234.345.456.567</i>
<i>vCommunityString</i>	<i>Value</i>	<i>Yes</i>	<i>Community String</i>	<i>WEx21q23</i>

## **4. Reports**

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*The output will be Open NMS will be displaying added node on the “Over all service availability” page of the open NMS*

*e.g.*

*Test\_234.345.456.567 Node will be added.*

## **5. Logs**

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Custom Logs will be generated based on error description and error line number, if error comes.

Error

- Logs
- Snapshot



## **6. Troubleshooting & Support**

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### **6.1 Support**

*If required support will be provided.*