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Folder Description

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Source Code folder = The folder that contains all source codes

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System Perquisite

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All platforms are assumed to have no firewall blockings

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Application Server Setup (Settings for Windows Environment)

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Step 1

Download and install Java JDK SE u7

http://www.oracle.com/technetwork/java/javase/downloads/index.html

Download and install glassfish from Oracle official website

http://www.oracle.com/technetwork/java/javaee/downloads/java-ee-sdk-6u3-jdk-7u1-downloads-523391.html

Step 2

Download and install Eclipse with JAVA EE Development

http://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/junosr1

Step 4

Copy and paste glassfish from domain folder in the source code to the glassfish install folder/domains

Step 3

Open Eclipse and install Glassfish Server Component

Perspective -> JAVA EE -> Server -> Mouse Left Click -> Add New Server -> add ... (Left side of server runtime environment) -> Search for Oracle Glassfish 3.1.2 -> Install

Step 5

Perspective -> JAVA EE -> Server -> Mouse Left Click -> Add New Server -> add -> specificy the Glassfish installation folder path and the glassfishdomain folder path

Step 7

Install netsnmp from

http://www.net-snmp.org/download.html

Step 8

Import the project from backend folder into Eclipse

Step 9

Run as -> on Server -> Server that is created by above instructions

Glassfish Server

Username: admin

Password: glafihpaword

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Network Element Setup (Settings for Ubuntu Linux 12.10 32bits)

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Step 1

Install necessary components (Thanks to Josh Lipps's documents)

sudo apt-get update && sudo apt-get install snmp snmpd snmp-mibs-downloader

Step 2

Make a copy of original snmpd configuration file

sudo cp /etc/snmp/snmpd.conf /etc/snmp/snmpd.conf.backup

Step 3

Copy the configuration file in the source code folder -> ne_config folder

sudo cp snmpd.conf /etc/snmp/snmpd.conf

sudo cp snmpd.conf /usr/share/snnmp/snmpd.conf

Step 4

Open the file /etc/default/snmpd and modifiy the line with SNMPDOPTS to

SNMPDOPTS='-Lsd -Lf /dev/null -u snmp -I -smux -p /var/run/snmpd.pid -c /etc/snmp/snmpd.conf'

Step 6

Reboot the system

Step 7

Start SNMP Agent

sudo service snmpd start

Step 8

Start the SNMP Adapter program in the souce folder -> snmpadapter

sudo java -jar snmpadapter.jar

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Frontend (Platform Independent)

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Step 1

Force the browser to accept the invalid certificate

Open browser and type in the address of server in the format

https://application_server_address:8181

where the application_server_address is the address of application server

Step 2

The user now will be able to use the frontend through index.html

The read only community string

public

The read/write community string

cs158bwrite

The community string for enable/disable snmp agent and rmon commands

linux

The community that is associate with security name

Security name is cs158bsec

Community string is cs158bwrite_access_test

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The end of documentation

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Thank you for viewing