Developer Toolkit Installation Guide

Nimbra Vision

Release 5.6

© Copyright 2010 by Net Insight AB, Sweden. All rights reserved. This document may not be reproduced in whole or in part without the expressed written permission of Net Insight AB.

The specifications and information in this document are provided “as is” and are subject to change without notice. All statements, information, and recommendations in this document are provided without warranty of any kind, expressed or implied, including without limitation any warranty concerning the accuracy, adequacy, or completeness of such specifications and information or the result to be obtained from using such specifications or information. Net Insight AB shall not be responsible for any claims attributable to errors, omissions, or other inaccuracies in the specifications or information in this document, and in no event shall Net Insight AB be liable for direct, indirect, special, consequential or incidental damages arising out of the use or inability to use this document.

Net Insight and Nimbra are trademarks of Net Insight AB, Sweden. All other trademarks are the property of their respective owners.

Net Insight AB
Box 42093
SE-126 14 Stockholm
Sweden
Phone: +46 8 685 04 00
Fax: +46 8 685 04 20
E-mail: info@netinsight.net

May 2010

Stockholm, Sweden

( )

© 2010 Net Insight AB, All Rights Reserved

Contents

About This Manual 4

Overview 4
Intended Reader 4

Required Products 5

Installation Procedure 6

Options 8

Java Runtime Environment 8
MySQL 8
Connector/J 8

© 2010 Net Insight AB, All Rights Reserved

About This Manual

Overview

This manual contains information on how to install Nimbra Vision as an add-on product over an existing Web NMS installation.

Intended Reader

This manual is intended for network managers and administrators in operation and maintenance of network elements, that is installing Nimbra Vision.

© 2010 Net Insight AB, All Rights Reserved

Required Products

You will have to acquire the following products.

Product	Version	Supplier
Web NMS Professional Edition for Windows	4.7 SP3	ZOHO Corporation (http://www.webnms.com)
Net Insight patch level 12 for Web NMS.	12	ZOHO Corporation (http://www.webnms.com)
Web NMS Documentation - Users Guide (http://www.webnms.com/webnms/webnms4_help_adminguide.zip) - Administrators Guide (http://www.webnms.com/webnms/webnms4_help_adminguide.zip) (Recommended, but not required)	4.7SP3	ZOHO Corporation (http://www.adventnet.com)
MySQL Classic for Windows, Commercial license required.	5.0.79	Sun Microsystems (http://www.mysql.com)
Connector/J (JDBC) Commercial license required.	3.0.14	Sun Microsystems (http://www.mysql.com)
Java SE Development Kit	6u20 (1.6.0_20)	Sun Microsystems (http://java.sun.com, http://www.java.com)

© 2010 Net Insight AB, All Rights Reserved

Installation Procedure

The installation procedure is as follows:

1. Check that you have the required files:
    a. AdventNet_WebNMS4_7_0_Windows_Professional.exe
    b. AdventNetWebNMS_4_7_ServicePack_3.ppm
    c. AdventNet_Web_NMS_4_7_SP-*date*.ppm
    d. jre-6u13-windows-i586-p.exe
    e. mysql-classic-noinstall-5.0.79-win32.zip
2. Install the Java 6 SE Development Toolkit.
3. Install Web NMS: run the Web NMS Professional installation program.
    a. Select English language.
    b. Select the Server and Client option when asked. This installs a combined back-end and front-end server, and the client.
    c. Don't install Javadocs nor Tutorials, there are not used.
    d. Select an installation folder, e.g. `C:\Program Files\Nimbra Vision`.
4. Install Service Pack 3: run the program `bin\UpdateManager.bat`. The program will ask for the location of the service pack file that shall be installed. At the end, it will also ask for the JDK HOME. You can leave this blank; it will be fixed below. If you provide a path, then this path cannot contain any spaces.
5. Install Web NMS patch the same way as the service pack was installed.
6. Compile the JSP files:
    a. Edit the file `bin\compileJSP.bat` using a text editor, e.g. Notepad. Set the JDK_HOME to the path where the Java 6 SE Development Toolkit was installed.
    Note! If the path contains spaces, then the path must be surrounded by quotes, e.g.:
    `set JDK_HOME="C:\Program Files\Java\jdk1.6.0_20"`
    b. Run the command file `bin\compileJSP.bat`.
7. Create a Java archive file that is required by remote clients:
    a. Open a command prompt and navigate to folder `classes` in the Web NMS installation.
    b. Run the command (all in one line):
    `C:\Program\Java\jdk1.6.0_20\bin\jar cfv ..\customclasses\NetiAdventNetClasses.jar`

© 2010 Net Insight AB, All Rights Reserved

```
com/adventnet/nms/mapdb/
com/adventnet/nms/netwatch/
com/adventnet/nms/store/
com/adventnet/nms/topodb/
com/adventnet/nms/util/
com/adventnet/nms/security/common/
com/adventnet/security/
com/adventnet/nms/fe/topo/ThinTopoAPI.clas
s
com/adventnet/nms/fe/common/NmsTreeAPI.cla
ss
com/adventnet/nms/fe/common/PanelTreeNode.
class
com/adventnet/nms/db/util/DBXMLNodeListene
r.class
```

8. Replace the Java Runtime Environment that is bundled with Web NMS with the installed Java Runtime Environment located in Java SE Development Toolkit:
    a. Delete the folder `jre` in the Web NMS installation folder.
    b. Copy the Java Runtime Environment folder `jre` from the newly installed Java SE Development Toolkit to the Web NMS installation folder.
9. The Java 6 SE Development Toolkit is no longer needed, and can be uninstalled.
10. Replace the MySQL bundled with Web NMS with required commercial MySQL:
    a. Delete the folder `mysql` in the Web NMS installation folder.
    b. Unzip the MySQL file containing the MySQL distribution. Rename the folder to `mysql`. (Ensure that the folder is the root of the MySQL folder, with subfolders such as `bin`, `data`, `include` etc.)
11. Install the Connector/J:
    a. Create a folder `mysql\driver`.
    b. From the zip file containing the Connector /J, extract the file `mysql-connector-java-commercial-3.1.14-bin.jar` and move it to the newly created `myslq\driver`.
12. Install Nimbra Vision Server Add-on: run the installation program. Ensure that Nimbra Vision is installed in the same folder as where Web NMS was installed, e.g. `C:\Program Files\Nimbra Vision`.
13. Start the server.
    a. The first time the server is started, it will ask for the Nimbra Vision license key.
    b. The first time the server is started, it will ask for the Web NMS license key.

© 2010 Net Insight AB, All Rights Reserved

Options

Java Runtime Environment

You may choose to install the Java Runtime Environment in another location, or use a Java Runtime Environment already installed on your server. To do so, edit the file `setEnv.bat`:

Update the `JAVA_HOME` with the new location of the Java Runtime Environment.

Note that Java 6 is required.

MySQL

You may choose to install MySQL in another location. If so, edit the file `setEnv.bat`:

Updated the `MYSQL_HOME` with the new location of MySQL.

Connector/J

You may choose to install another version of Connector/J, or to install it into another location. If you do so, edit the file `setEnv.bat`:

Updated the `DB_CLASSPATH` to include the Connector/J jar.

© 2010 Net Insight AB, All Rights Reserved

© 2010 Net Insight AB, All Rights Reserved