



BEATM SNMP Agent Installation Guide

**For BEA Tuxedo and
BEA WebLogic Enterprise**

BEA SNMP Agent 2.1
Document Date: November 7, 2001

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BEA SNMP Agent Installation Guide for BEA Tuxedo and BEA WebLogic Enterprise

Part Number	Document Date	Software Version
N/A	November 7, 2001	BEA SNMP Agent 2.1

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About This Document

The *BEA SNMP Agent Installation Guide for BEA Tuxedo and BEA WebLogic Enterprise* explains how to install the BEA SNMP Agent software on both Windows and UNIX systems.

This document is organized as follows:

- Chapter 1, “Preparing to Install BEA SNMP Agent,” provides the basic information you need to know before installing BEA SNMP Agent.
- Chapter 2, “Installing BEA SNMP Agent on a Windows System,” describes how to install and uninstall the BEA SNMP Agent software on a Windows system.
- Chapter 3, “Installing BEA SNMP Agent on a UNIX System,” describes how to install and uninstall the BEA SNMP Agent software on a UNIX system.

Audience

This document is written for network or system administrators who are responsible for installing and uninstalling the BEA SNMP Agent software on Windows or UNIX systems. It is assumed that readers have a general understanding of Windows and UNIX systems.

e-docs Web Site

BEA product documentation is available on the BEA corporate Web site. From the BEA Home page, click on Product Documentation or go directly to the “e-docs” Product Documentation page at <http://e-docs.bea.com>.

How to Print the Document

You can print a copy of this document from a Web browser, one main topic at a time, by using the File—>Print option on your Web browser.

A PDF version of this document is available on the BEA SNMP Agent documentation Home page on the e-docs Web site at <http://e-docs.bea.com/snmpagnt/v210/index.html>. You can open the PDF in Adobe Acrobat Reader and print the entire document (or a portion of it) in book format. To access the PDFs, open the BEA SNMP Agent documentation Home page, click PDF Files, and select the document you want to print.

Adobe Acrobat Reader is available at no charge from the Adobe Web site at <http://www.adobe.com>.

Related Information

The BEA Tuxedo and BEA WebLogic Enterprise online documentation sets provide information about working with the Tuxedo and WebLogic Enterprise systems. You can access the Tuxedo and WebLogic Enterprise online documentation sets at the e-docs Web site <http://e-docs.bea.com>.

The following BEA SNMP Agent documents contain additional information relevant to using the *BEA SNMP Agent Installation Guide*:

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- *BEA SNMP Agent Administration Guide for BEA Tuxedo and BEA WebLogic Enterprise* at
<http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html>
 - *BEA SNMP Agent MIB Reference for BEA Tuxedo and BEA WebLogic Enterprise* at
<http://e-docs.bea.com/snmpagnt/v210/mibref/index.html>
 - *BEA SNMP Agent Release Notes for BEA Tuxedo and BEA WebLogic Enterprise*
 - *BEA SNMP Agent Release Notes for BEA Tuxedo 8.0*

Contact Us!

Your feedback on BEA documentation is important to us. Send us e-mail at docsupport@bea.com if you have questions or comments. Your comments will be reviewed directly by the BEA professionals who create and update the documentation.

In your e-mail message, please indicate the software name and version you are using, as well as the title and document date of your documentation. If you have any questions about BEA SNMP Agent, or if you have problems installing and running BEA SNMP Agent, contact BEA Customer Support through BEA WebSupport at <http://www.bea.com>.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Usage
Ctrl+Tab	Keys you press simultaneously.
<i>italics</i>	Emphasis and book titles.
monospace text	Code samples, commands and their options, data structures and their members, data types, directories, and filenames and their extensions. Monospace text also indicates text that you enter from the keyboard. <i>Examples:</i> <pre>#include <iostream.h> void main () the pointer psz chmod u+w * \tux\data\ap .doc tux.doc BITMAP float</pre>
<i>monospace italic text</i>	Variables in code. <i>Example:</i> <i>String CustomerName;</i>
UPPERCASE TEXT	Device names, environment variables, and logical operators. <i>Examples:</i> LPT1 SIGNON OR
{ }	A set of choices in a syntax line.
[]	Optional items in a syntax line. <i>Example:</i> <pre>buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...</pre>

Convention	Usage
	Separates mutually exclusive choices in a syntax line.
...	Indicates one of the following in a command line: <ul style="list-style-type: none">■ An argument can be repeated several times in the command line.■ The statement omits additional optional arguments.■ You can enter additional parameters, values, or other information.
.	Indicates the omission of items from a code example or from a syntax line.
.	
.	



1 Preparing to Install BEA SNMP Agent

The following sections provide information that you need to know before installing the BEA SNMP Agent software

- About BEA SNMP Agent
- BEA SNMP Agent Installation Methods
- BEA SNMP Agent Distribution Methods
- BEA SNMP Agent Software Components
- Hardware and Software Prerequisites
- System Requirements
- Installation Road Map

About BEA SNMP Agent

BEA SNMP Agent is a Simple Network Management Protocol (SNMP) agent product that enables BEA Tuxedo and BEA WebLogic Enterprise applications to be managed from a centralized enterprise management console. BEA SNMP Agent version 2.1 enables an enterprise management console to manage Tuxedo 6.4, Tuxedo 6.5, Tuxedo 7.1, WebLogic Enterprise 4.2, and WebLogic Enterprise 5.1 applications. BEA SNMP Agent version 2.1.1 enables an enterprise management console to manage Tuxedo 8.0 applications.

BEA SNMP Agent Installation Methods

The BEA SNMP Agent installation program provides two installation methods:

- Graphical user interface (GUI) mode installation for Windows systems—a graphics-based method of installing the BEA SNMP Agent software on a Windows system based on the Windows `InstallShield` utility.
- Console-mode installation intended for UNIX systems—a text-based method of installing the BEA SNMP Agent software on a UNIX system based on a UNIX `shell` script.

BEA SNMP Agent Distribution Methods

The BEA SNMP Agent 2.1 product is distributed on both the Web and CD-ROM. The BEA SNMP Agent 2.1.1 product is distributed only on the Web.

Web Distribution

BEA SNMP Agent is distributed on the Web as a `.zip` archive file for a Windows installation, and as a `.tar` archive file for a UNIX installation. Platform-specific installation files for BEA SNMP Agent 2.1 and 2.1.1 are available for download from the BEA corporate Web site at

<http://commerce.bea.com/downloads/tuxedo.jsp>.

When downloading BEA SNMP Agent 2.1, you must also download an evaluation license, which allows you to use the BEA SNMP Agent 2.1 software for a 30-day trial period. Anytime during the 30-day trial period you may purchase a permanent license for your BEA SNMP Agent product by calling or e-mailing BEA Customer Support. The contact information for BEA Customer Support in North America is as follows:

- Phone: 1-888-232-7878
- E-mail: support@bea.com

Contact information for additional locations may be found at
http://www.bea.com/support/contact_cs.html.

When downloading BEA SNMP Agent 2.1.1, you do *not* download an evaluation license because there is no license for BEA SNMP Agent 2.1.1. The only license required is a valid BEA Tuxedo 8.0 license on the host Windows or UNIX system.

CD-ROM Distribution

If you purchased BEA SNMP Agent 2.1 from your local sales representative, you will find the following items in the BEA SNMP Agent product box:

- BEA SNMP Agent 2.1 product software CD—contains the BEA SNMP Agent 2.1 packages for every supported combination of platform and Tuxedo/WLE release; also contains BEA SNMP Agent online documentation
- The following printed documents:
 - *BEA SNMP Agent 2.1 Installation Guide*
 - *BEA SNMP Agent 2.1 Release Notes*
 - “BEA Software License and Limited Warranty” pamphlet
 - “Customer Support Quick Reference and Other Important Information” card
- Bubble envelope mailer

You can also access BEA SNMP Agent online documentation, updated with BEA SNMP Agent 2.1.1 information, at

<http://e-docs.bea.com/snmpagnt/v210/index.html>.

BEA SNMP Agent Software Components

BEA SNMP Agent consists of two high-level components:

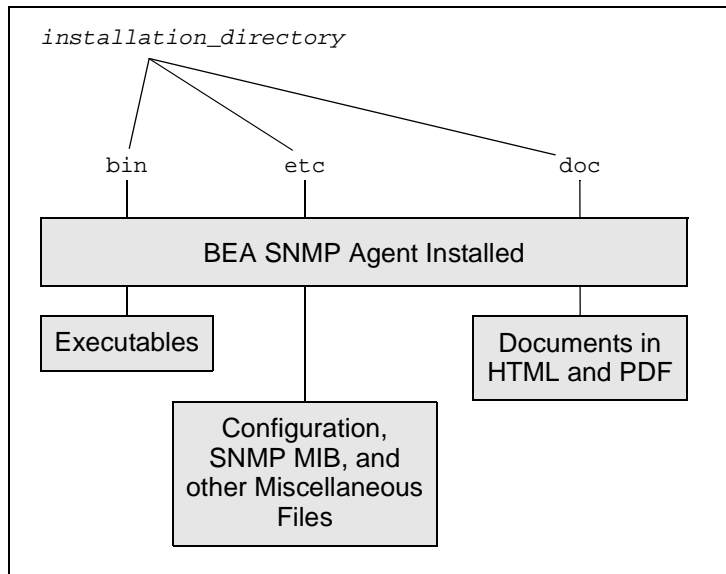
- Executable files
- Configuration files

1 *Preparing to Install BEA SNMP Agent*

The executable files include commands, utilities, and the BEA SNMP Agent Integrator and SNMP agent executables. The configuration files include the BEA SNMP Agent configuration files, SNMP management information base (MIB) files, and other miscellaneous files.

You will be prompted during the installation to choose an installation directory for the BEA SNMP Agent files. After you choose the installation directory, the BEA SNMP Agent installation program will install the BEA SNMP Agent executable files in the *installation_directory/bin* directory, and the configuration files in the *installation_directory/etc* directory. See the following figure for clarification.

Figure 1-1 BEA SNMP Agent Installation Directory Structure



Note: The BEA SNMP Agent 2.1 CD includes online documentation in its *doc* directory.

Hardware and Software Prerequisites

You must install the BEA SNMP Agent software on each master node (machine) of each Tuxedo/WLE domain that will be participating in the SNMP management system. For more information about Tuxedo/WLE domains, visit the BEA Tuxedo/WLE online documentation set at <http://e-docs.bea.com>.

To access managed objects that are only accessible locally, you must also install the BEA SNMP Agent software on each domain's non-master node where those resources reside, or execute the SNMP agents on the master node with the `-c` option, which enables the SNMP agents on the master node to gather information from all machines involved in the domain. For more information about SNMP agents and the `-c` option, see “[Setting Up BEA SNMP Agent on a Managed Node](#)” in the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/2setupag.html>.

To manage multiple Tuxedo or WLE domains on a node, you must run the following BEA SNMP Agent processes on the node: the BEA SNMP Agent Integrator and one SNMP agent—started as an SNMP multiplexing (SMUX) subagent—for each domain that you want to manage. For more information, see “[Setting Up the BEA SNMP Agent Integrator](#)” in the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/4agintg.html>.

System Requirements

For a Windows host system, either BEA SNMP Agent 2.1 or BEA SNMP Agent 2.1.1 (but not both) may be installed and running on the same node. For a UNIX host system, both BEA SNMP Agent 2.1 and BEA SNMP Agent 2.1.1 may be installed and running on the same node. For more information about multiple BEA SNMP Agent products running on the same node, see “[Setting Up the BEA SNMP Agent Integrator](#)” in the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/4agintg.html>.

System Requirements for BEA SNMP Agent 2.1

The system and software installation requirements for the node on which the BEA SNMP Agent 2.1 software will be loaded are given in the following table.

Table 1-1 System Requirements for BEA SNMP Agent 2.1

Vendor	OS and Release	Required Disk Space	Recommended System Memory
Compaq	Tru64 UNIX v4.0f on Alpha Systems	5 MB	64 MB or more
HP	HP-UX Version 11.0 on HP 9000 Series	5 MB	64 MB or more
IBM	AIX Version 4.3.2 *	5 MB	64 MB or more
	AIX Version 4.3.3 (PowerPC) on RS/6000 or SP2	5 MB	64 MB or more
Microsoft	Windows 2000 on Intel	5 MB	64 MB or more
	Windows NT 4.0 SP5 on Intel	5 MB	64 MB or more
Sun Microsystems	Solaris 2.6 SPARC	5 MB	64 MB or more
	Solaris 2.7 SPARC	5 MB	64 MB or more
* AIX Version 4.3.2 is <i>not</i> supported for managing WLE applications.			

In addition, *for a host Windows system*, at least one Tuxedo (7.1, 6.5, 6.4) or WebLogic Enterprise (5.1, 4.2) system installation must exist on the host system. Otherwise, the BEA SNMP Agent 2.1 installation program will display an error message and quit.

System Requirements for BEA SNMP Agent 2.1.1

The system and software installation requirements for the node on which the BEA SNMP Agent 2.1.1 software will be loaded are given in the following table.

Table 1-2 System Requirements for BEA SNMP Agent 2.1.1

Vendor	OS and Release	Required Disk Space	Recommended System Memory
Compaq	Tru64 UNIX v5.1 on Alpha Systems	5 MB	64 MB or more
HP	HP-UX Version 11.0 on HP 9000 Series	5 MB	64 MB or more
IBM	AIX Version 4.3.3 (PowerPC) on RS/6000 or SP2	5 MB	64 MB or more
Microsoft	Windows 2000 on Intel	5 MB	64 MB or more
	Windows NT 4.0 SP5 on Intel	5 MB	64 MB or more
Red Hat	Linux 6.2 on Intel IA32 (x86)	5 MB	64 MB or more
Sun Microsystems	Solaris 8 SPARC	5 MB	64 MB or more

In addition, *for a host Windows or UNIX system*, a Tuxedo 8.0 system installation must exist on the host system. Otherwise, the BEA SNMP Agent 2.1.1 installation program will display an error message and quit.

Installation Road Map

You are now ready to begin your installation. To install BEA SNMP Agent on a Windows system, see “Installing BEA SNMP Agent on a Windows System” on page 2-1. To install BEA SNMP Agent on a UNIX system, see “Installing BEA SNMP Agent on a UNIX System” on page 3-1.

1 *Preparing to Install BEA SNMP Agent*

2 Installing BEA SNMP Agent on a Windows System

The following sections describe how to install and uninstall the BEA SNMP Agent 2.1 or 2.1.1 software on a Windows system:

- Before You Start
- Installing BEA SNMP Agent 2.1 on a Windows System
- Installing BEA SNMP Agent 2.1.1 on a Windows System
- Uninstalling BEA SNMP Agent 2.1 or 2.1.1 from a Windows System

Before You Start

The Windows installation program is a graphics-based method of installing the BEA SNMP Agent software on a Windows system. The installation program is based on the Windows `InstallShield` utility.

For a BEA SNMP Agent 2.1 installation, at least one Tuxedo (7.1, 6.5, 6.4) or WebLogic Enterprise (5.1, 4.2) system installation must exist on the host Windows system. Otherwise, the installation program will display an error message and quit.

For a BEA SNMP Agent 2.1.1 installation, a Tuxedo 8.0 system installation must exist on the host Windows system. Otherwise, the installation program will display an error message and quit.

Installing BEA SNMP Agent 2.1 on a Windows System

Installing the BEA SNMP Agent 2.1 software on a Windows system consists of the following two procedures:

1. Starting the BEA SNMP Agent 2.1 installation on a Windows system
2. Running the BEA SNMP Agent 2.1 installation on a Windows system

Installing the BEA SNMP Agent 2.1 software requires a license. You acquire a license for BEA SNMP Agent 2.1 in one of two ways: from the BEA Web site when you download an evaluation copy of the BEA SNMP Agent product or via e-mail when you buy the BEA SNMP Agent product. A license is packaged in a file named `lic.txt`.

Starting the BEA SNMP Agent 2.1 Installation on a Windows System

To start the BEA SNMP Agent 2.1 installation process on a Windows system, follow these steps:

1. Select a Windows system that meets the hardware and software requirements described in “System Requirements for BEA SNMP Agent 2.1” on page 1-6.
2. Log in to the Windows system as the `Administrator` or as a member of the `Administrator group`.

You need administrative privileges to install BEA SNMP Agent components on a Windows system.

3. If installing BEA SNMP Agent by downloading from the BEA Web site:

- a. Go to <http://commerce.bea.com/downloads/tuxedo.jsp> and download the BEA SNMP Agent 2.1 installation file specific to your platform, including the 30-day evaluation license file needed to complete the BEA SNMP Agent installation.
 - b. Go to the directory where you downloaded the installation file and unzip the installation file in the current directory.
 - c. Go to the resulting `snmp_agent` directory in the current directory and double-click `Setup.exe` to start the installation.
4. If installing BEA SNMP Agent from the product software CD:
- a. Obtain a license file for BEA SNMP Agent by calling or e-mailing BEA Customer Support. For contact information, see “Web Distribution” on page 1-2.
 - b. When you receive your license file, copy it to a convenient location on the host Windows system. You need this license to complete the BEA SNMP Agent installation.
 - c. Exit all Windows programs.
 - d. Insert the BEA SNMP Agent 2.1 product software CD into the CD-ROM drive. The Windows autorun feature automatically starts the installation. (To bypass the autorun feature, press and hold the Shift key for approximately 10 seconds while inserting the CD into the CD-ROM drive. You can then run the `Setup.exe` file in the `inwnt40` directory—or in any `inwnt40` subdirectory, for example, `inwnt40\tux-7.1`—of the mounted CD.)
5. Proceed to “Running the BEA SNMP Agent 2.1 Installation on a Windows System” that follows.

Running the BEA SNMP Agent 2.1 Installation on a Windows System

The Windows installation program for BEA SNMP Agent 2.1 scans your hard disk looking for at least one Tuxedo (7.1, 6.5, 6.4) or WebLogic Enterprise (5.1, 4.2) system installation. If no installation is found, the installation program displays an error message and quits.

2 *Installing BEA SNMP Agent on a Windows System*

If at least one installation is found, the installation program prompts you to enter specific information about your system and configuration. For instructions on responding to the prompts during installation, see the following table.

In this window . . .	Perform the following action . . .
Select Components	<p>If one or more versions of Tuxedo (7.1, 6.5, 6.4) and/or WLE (5.1, 4.2) system installations are found on the host Windows system, the installation program lists those versions in the Select Components window:</p> <ul style="list-style-type: none">■ Tuxedo v7.1■ WebLogic Enterprise v5.1■ Tuxedo v6.4■ Tuxedo v6.5■ WebLogic Enterprise v4.2 <p>If the Select Components window appears, select the BEA SNMP Agent package that you want to install and then click Next to proceed with the installation. If only one version of a Tuxedo or WLE system installation is found on the host Windows system, the Select Components window does not appear.</p>
Welcome	<p>Click the Next button to proceed with the installation. You may cancel the installation at any time by clicking Cancel.</p>
Software License Agreement	<p>Read the BEA SNMP Agent Software License Agreement and indicate your acceptance of the terms of the agreement by clicking Yes. To continue with the installation, you must accept the terms of the license agreement.</p>
Choose Destination Location	<p>Specify the folder, or directory, in which you want to install the BEA SNMP Agent software. Select the default installation folder (recommended) or create a new installation folder. If you choose to create a new folder, the installer program automatically creates the folder for you.</p> <p>Choose an installation folder and then click Next to continue with the installation.</p>

In this window . . .	Perform the following action . . .
Question: Do you wish to install the BEA SNMP Agent 2.1 services?	<p>Click Yes to start the BEA SNMP Agent software installation. The installation program proceeds to extract, uncompress, and install the BEA SNMP Agent files. It installs BEA SNMP Agent as two Windows services: the <code>snmp_integrator</code>, which is the name of the BEA SNMP Agent Integrator executable, and one of the following SNMP agent names based on which version of Tuxedo or WLE is installed on the host Windows system, or which version you chose previously in the Select Components window:</p> <p><code>tux64_snmpd</code> <code>tux65_snmpd</code> <code>tux71_snmpd</code> <code>wle42_snmpd</code> <code>wle51_snmpd</code></p> <p>You can check to make sure that these services are registered as Windows services. Select Start→Settings→Control Panel→Services (or Start→Programs→Administrative Tools→Services on a Windows 2000 system) to launch the Services window and scroll the list of services until you find these two on the list.</p> <p>Note: The actual names of the SNMP agent executables installed in the <i>installation_directory/bin</i> directory are <code>tux_snmpd</code> for the Tuxedo SNMP agent executable, and <code>wle_snmpd</code> for the WLE SNMP agent executable.</p> <p>Note: Do <i>not</i> attempt to install BEA SNMP Agent <i>manually</i> as two Windows services, or attempt to run BEA SNMP Agent from its executable files (<code>snmp_integrator</code>, <code>tux_snmpd</code>, <code>wle_snmpd</code>). The result is unpredictable and thus not recommended.</p>
Question: Would you like to install your license now?	Click Yes to install the BEA SNMP Agent 2.1 product license now. Selecting Yes launches the Insert License Disk browser window.

In this window . . .	Perform the following action . . .
Insert License Disk browser	<p>Read the following important information, specify the location of the BEA SNMP Agent license file (<code>lic.txt</code>) on your machine, and then click OK to continue.</p> <ul style="list-style-type: none">■ There are three types of licenses for the BEA SNMP Agent 2.1 product: a 30-day evaluation license, a development license, and a production license. When a 30-day evaluation license expires, a customer may decide to buy the BEA SNMP Agent product, thus upgrading the evaluation license to a <i>permanent</i> (development or production) license. For information on acquiring a permanent license, see “Web Distribution” on page 1-2.■ After you specify the location of the license file (<code>lic.txt</code>), the installation program appends the content of the license file to the license file in the <code>tux_or_wle_install_dir/udataobj</code> directory, where <code>tux_or_wle_install_dir</code> represents the installation directory in which the target Tuxedo (7.1, 6.5, 6.4) or WLE (5.1, 4.2) system software is installed on the host Windows system.
Information	Click OK to acknowledge that the BEA SNMP Agent license file has been installed successfully.
Setup Complete	Click OK to acknowledge that the BEA SNMP Agent software has been installed successfully.

Congratulations! Your installation of the BEA SNMP Agent 2.1 software is complete! For information on configuring and starting SNMP agents and the optional BEA SNMP Agent Integrator, see the [BEA SNMP Agent Administration Guide at `http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html`](http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html).

If you want to run multiple instances of the SNMP agent to manage multiple Tuxedo or WLE domains, use the `instsrv` command to install additional Windows services for the additional agents. For details, see “[Setting Up BEA SNMP Agent on a Managed Node](http://e-docs.bea.com/snmpagnt/v210/adminguide/2setuppag.html)” in the [BEA SNMP Agent Administration Guide at `http://e-docs.bea.com/snmpagnt/v210/adminguide/2setuppag.html`](http://e-docs.bea.com/snmpagnt/v210/adminguide/2setuppag.html).

Installing BEA SNMP Agent 2.1.1 on a Windows System

Installing the BEA SNMP Agent 2.1.1 software on a Windows system consists of the following two procedures:

1. Starting the BEA SNMP Agent 2.1.1 installation on a Windows system
2. Running the BEA SNMP Agent 2.1.1 installation on a Windows system

Installing the BEA SNMP Agent 2.1.1 software does *not* require a BEA SNMP Agent product license. The only license required is a valid BEA Tuxedo 8.0 license on the host machine.

Starting the BEA SNMP Agent 2.1.1 Installation on a Windows System

To start the BEA SNMP Agent 2.1.1 installation process on a Windows system, follow these steps:

1. Select a Windows system that meets the hardware and software requirements described in “System Requirements for BEA SNMP Agent 2.1.1” on page 1-7.
2. Log in to the Windows system as the Administrator or as a member of the Administrator group.

You need administrative privileges to install BEA SNMP Agent components on a Windows system.

3. Go to <http://commerce.bea.com/downloads/tuxedo.jsp> and download the BEA SNMP Agent 2.1.1 installation file specific to your platform.
4. Go to the directory where you downloaded the installation file and unzip the installation file in the current directory.

5. Go to the resulting `snmp_agent` directory in the current directory and double-click `Setup.exe` to start the installation.
6. Proceed to “Running the BEA SNMP Agent 2.1.1 Installation on a Windows System” that follows.

Running the BEA SNMP Agent 2.1.1 Installation on a Windows System

The Windows installation program for BEA SNMP Agent 2.1.1 scans your hard disk looking for a Tuxedo 8.0 system installation. If no installation is found, the installation program displays an error message and quits.

If a Tuxedo 8.0 installation is found, the installation program prompts you to enter specific information about your system and configuration. For instructions on responding to the prompts during installation, see the following table.

In this window . . .	Perform the following action . . .
Welcome	Click the Next button to proceed with the installation. You may cancel the installation at any time by clicking Cancel.
Software License Agreement	Read the BEA SNMP Agent Software License Agreement and indicate your acceptance of the terms of the agreement by selecting Yes. To continue with the installation, you must accept the terms of the license agreement.
Choose Destination Location	<p>Specify the folder, or directory, in which you want to install the BEA SNMP Agent software. Select the default installation folder (recommended) or create a new installation folder. If you choose to create a new folder, the installer program automatically creates the folder for you.</p> <p>Choose an installation folder and then click Next to continue with the installation.</p>

In this window . . .	Perform the following action . . .
Question: Do you wish to install the BEA SNMP Agent 2.1.1 services?	<p>Click Yes to start the BEA SNMP Agent software installation. The installation program proceeds to extract, uncompress, and install the BEA SNMP Agent files. It installs BEA SNMP Agent as two Windows services: the <code>snmp_integrator</code>, which is the name of the BEA SNMP Agent Integrator executable, and the following Tuxedo SNMP agent name: <code>tux8_snmpd</code>.</p> <p>You can check to make sure that these services are registered as Windows services. Select Start→Settings→Control Panel→Services (or Start→Programs→Administrative Tools→Services on a Windows 2000 system) to launch the Services window and scroll the list of services until you find these two on the list.</p> <p>Note: The actual name of the Tuxedo SNMP agent executable installed in the <code>installation_directory/bin</code> directory is <code>tux_snmpd</code>.</p> <p>Note: Do <i>not</i> attempt to install BEA SNMP Agent <i>manually</i> as two Windows services, or attempt to run BEA SNMP Agent from its executable files (<code>snmp_integrator</code>, <code>tux_snmpd</code>). The result is unpredictable and thus not recommended.</p>
Setup Complete	Click OK to acknowledge that the BEA SNMP Agent software has been installed successfully.

Congratulations! Your installation of the BEA SNMP Agent 2.1.1 software is complete! For information on configuring and starting Tuxedo SNMP agents and the optional BEA SNMP Agent Integrator, see the [BEA SNMP Agent Administration Guide](http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html) at <http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html>.

If you want to run multiple instances of the Tuxedo SNMP agent to manage multiple Tuxedo 8.0 domains, use the `instsrv` command to install additional Windows services for the additional agents. For details, see “[Setting Up BEA SNMP Agent on a Managed Node](#)” in the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/2setupag.html>.

Uninstalling BEA SNMP Agent 2.1 or 2.1.1 from a Windows System

To uninstall the BEA SNMP Agent 2.1 or 2.1.1 software from a Windows system, follow these steps:

1. Click Start→Settings→Control Panel→Add/Remove Programs to launch the Add/Remove Programs Properties window.
2. In the Add/Remove Programs Properties window, select the Tuxedo or WLE version for which you want to uninstall BEA SNMP Agent and then click Add/Remove. A Confirm File Deletion window appears.
3. In the Confirm File Deletion window, click Yes.

While uninstalling the BEA SNMP Agent software, the Remove Programs From Your Computer window appears. Click OK when the uninstallation completes.

If you installed BEA SNMP Agent packages for more than one version of Tuxedo or WLE on the same machine, and one of those versions is then uninstalled, you must re-register `snmp_integrator` as a Windows service. To do so, open a command-line shell and enter the following command at the command prompt:

```
prompt> instsrv service-name [executable-file | remove]
```

For example, if one of your BEA SNMP Agent packages is installed in the `C:\tux71` directory, the command is:

```
prompt> instsrv snmp_integrator c:\tux71\bin\snmp_integrator.exe
```

3 Installing BEA SNMP Agent on a UNIX System

The following sections describe how to install and uninstall the BEA SNMP Agent 2.1 or 2.1.1 software on a UNIX system:

- Before You Start
- Installing BEA SNMP Agent 2.1 on a UNIX System
- Installing BEA SNMP Agent 2.1.1 on a UNIX System
- Uninstalling BEA SNMP Agent 2.1 or 2.1.1 from a UNIX System

Before You Start

The UNIX installation program is a text-based method of installing the BEA SNMP Agent software on a UNIX system. The installation program is based on a UNIX `shell` script.

For a BEA SNMP Agent 2.1 installation, *no* Tuxedo (7.1, 6.5, 6.4) or WebLogic Enterprise (5.1, 4.2) system installation must already exist on the host UNIX system. The installation program will continue with the installation even if no such Tuxedo or WebLogic Enterprise system installation exists on the host UNIX system.

For a BEA SNMP Agent 2.1.1 installation, a Tuxedo 8.0 system installation must exist on the host UNIX system. Otherwise, the installation program will display an error message and quit.

Installing BEA SNMP Agent 2.1 on a UNIX System

Installing the BEA SNMP Agent 2.1 software on a UNIX system consists of the following two procedures:

1. Starting the BEA SNMP Agent 2.1 installation on a UNIX system
2. Running the BEA SNMP Agent 2.1 installation on a UNIX system

Installing the BEA SNMP Agent 2.1 software requires a license. You acquire a license for BEA SNMP Agent 2.1 in one of two ways: from the BEA Web site when you download an evaluation copy of the BEA SNMP Agent product or via e-mail when you buy the BEA SNMP Agent product. A license is packaged in a file named `lic.txt`.

Starting the BEA SNMP Agent 2.1 Installation on a UNIX System

To start the BEA SNMP Agent 2.1 installation process on a UNIX system, follow these steps:

1. Select a UNIX system that meets the hardware and software requirements described in “System Requirements for BEA SNMP Agent 2.1” on page 1-6.

2. Log in to the UNIX system.

On most UNIX systems, you need superuser privileges to mount the CD as a filesystem. If you are installing BEA SNMP Agent 2.1 by downloading from the BEA Web site, you do not need superuser privileges.

3. Open a command-line shell.

4. Ensure that the `uncompress` utility is included in your `PATH` variable setting.
5. If installing BEA SNMP Agent by downloading from the BEA Web site:
 - a. Go to <http://commerce.bea.com/downloads/tuxedo.jsp> and download the BEA SNMP Agent 2.1 installation file specific to your platform, including the 30-day evaluation license file needed to complete the BEA SNMP Agent installation.
 - b. Go to the directory where you downloaded the installation file and enter the following command to unpack the installation file:

```
prompt> tar xvf filename.tar
```

where *filename* is the name of the installation file.
 - c. Go to the resulting `snmp_agent` directory in the current directory and enter the following command to start the installation:

```
prompt> sh ./install.sh
```

6. If installing BEA SNMP Agent from the product software CD:
 - a. Obtain a license file for BEA SNMP Agent by calling or e-mailing BEA Customer Support. For contact information, see “Web Distribution” on page 1-2.
 - b. When you receive your license file, copy it to a convenient location on the host UNIX system. You need this license to complete the BEA SNMP Agent installation.
 - c. Mount the CD as a filesystem and insert the BEA SNMP Agent 2.1 product software CD into the CD-ROM drive.

To install the BEA SNMP Agent software, you must have either a local CD-ROM drive or a drive that is accessible over a network. The procedure for mounting the CD filesystem on the local UNIX platform depends on the UNIX platform being used. For this procedure, refer to your UNIX system documentation for instructions specific to your UNIX platform.

- On a Solaris 2.6 or 2.7 platform, volume management is enabled by default. Thus, when you insert the CD into the CD-ROM drive, its filesystem is automatically mounted.
- If you are mounting the CD filesystem from a remote machine, mount the CD as an NFS filesystem with the following command:

3 *Installing BEA SNMP Agent on a UNIX System*

```
prompt> mount -F nfs -r  
machine_name:/cdrom/bea_snmp_agent_2_1  
/mount_point
```

For example:

```
prompt> mount -F nfs -r  
diamond:/cdrom/bea_snmp_agent_2_1/mnt/BEASNMP
```

- To mount the CD on an HP-UX platform, start the PFS daemons (if they are not already running) using this command:

```
prompt> nohup pfs_mountd &  
prompt> nohup pfsd &
```

Then mount the CD using this command:

```
prompt> pfs_mount -o -xlat=unix /dev/dsk/device_file  
/mount_point
```

For example:

```
prompt> pfs_mount -o -xlat=unix /dev/dsk/c0t2d0 /cdrom
```

- To mount the CD on a Digital UNIX 4.0 system, use this command:

```
prompt> mount -t cdfs -o noversion /dev/rz4c /cdrom
```

- d. Go to the root of the BEA SNMP Agent 2.1 product software CD. For example:

```
prompt> cd /cdrom/cdrom0
```

- e. Enter the following command to start the installation program:

```
prompt> sh ./install.sh
```

7. Proceed to “Running the BEA SNMP Agent 2.1 Installation on a UNIX System” that follows.

Running the BEA SNMP Agent 2.1 Installation on a UNIX System

The UNIX installation program for BEA SNMP Agent 2.1 consists of three main sections:

1. CD-ROM distribution only: Select which one of 21 possible BEA SNMP Agent packages to install on your UNIX system.
2. Start the installation process for the selected BEA SNMP Agent package.
3. Install the BEA SNMP Agent product license.

To complete the installation process, respond to the prompts in each section by entering the number associated with your choice or by pressing Enter to accept the default. You can stop the installation process at any time by issuing an interrupt, typically by pressing Delete, Break, or Ctrl-C.

1. Select the BEA SNMP Agent Package To Install on Your UNIX System

For the CD-ROM installation, the installation program shows the BEA SNMP Agent packages supported by BEA SNMP Agent 2.1 and prompts you to select a package:

```
01) alpha/dux40/tux-6.4          02) alpha/tru64/tux-7.1
03) alpha/tru64/wle-4.2          04) alpha/tru64/wle-5.1
05) hp/hpux1020/tux-6.4          06) hp/hpux1020/wle-4.2
07) hp/hpux11/tux-6.4            08) hp/hpux11/tux-7.1
09) hp/hpux11/wle-4.2            10) hp/hpux11/wle-5.1
11) ibm/aix414/tux-6.4           12) ibm/aix42/tux-6.4
13) ibm/aix43/tux-6.4           14) ibm/aix43/tux-7.1
15) ibm/aix43/wle-4.2           16) ibm/aix43/wle-5.1
17) sun5x/sol251/tux-6.4         18) sun5x/sol26/tux-6.4
19) sun5x/sol26/tux-7.1         20) sun5x/sol26/wle-4.2
21) sun5x/sol26/wle-5.1
```

Install which platform's files? [01-21, q to quit, l for list]:

3 *Installing BEA SNMP Agent on a UNIX System*

Enter the number associated with the BEA SNMP Agent package that you want to install. Optionally, you can enter 1 to list the options again, or enter `q` to quit the installation.

2. Start the Installation Process for the Selected BEA SNMP Agent Package

For the Web installation, or after you select a BEA SNMP Agent package during the CD-ROM installation, the installation program displays the name of the package to be installed. For example:

```
** You have chosen to install from sun5x/sol26/tux-71 **
```

```
BEA SNMP Agent 2.1
```

```
This directory contains the BEA SNMP Agent 2.1 product(s) for  
tux 7.1 on SunOS 5.6 \ (Solaris 2.6\ ) on SPARC
```

In addition, for the CD-ROM installation, the installation program asks you to confirm your selection:

```
Is this correct? [y,n,q]:
```

Enter `y` to confirm. Optionally, you can enter `n` to select a different BEA SNMP Agent package or `q` to quit the installation.

The installation program then asks you to select the BEA SNMP Agent package to start the installation:

```
The following packages are available:
```

```
1      snmp      BEA SNMP Agent 2.1
```

```
Select the package(s) you wish to install.  
Separate multiple packages with a space.
```

```
(type 'all' to install all packages) (default: all) [?,?,q]:
```

Enter `all` or simply press Enter to start the installation. Optionally, you can enter `?` for an explanation of your possible entries, `??` to list the options again, or `q` to quit the installation program.

The installation program then displays product information and prompts you to specify the directory in which you want to install the BEA SNMP Agent software. If you choose to create a new directory, say `/bea/tux71`, the installer program automatically creates the directory for you.

Enter the absolute pathname of the directory in which you want to install the BEA SNMP Agent software.

The installation program then determines if sufficient space is available for the installation, and if so, shows the files being installed. For example:

```
Unloading /cdrom/volume_name/sun5x/sol26/tux-7.1/snmp/snmp.Z ...
bin/evt2trapd
bin/tux_snmpd
bin/snmp_integrator
.
.
.
etc/mib.txt
etc/bea.asn1
.
.
.
etc/beamgr.conf
etc/beamgr_snmpd.conf
11480 blocks
... finished
Modifying configuration files to show installation date/time...
... finished
Changing file permissions...
... finished
```

What happens at this point depends upon whether the particular Tuxedo (7.1, 6.5, 6.4) or WLE (5.1, 4.2) system software supported by the installed BEA SNMP Agent package is present on the host UNIX system. If not, the installation program prints the following messages and quits:

```
Installation of BEA SNMP Agent 2.1 was successful
```

```
Please don't forget to fill out and send in your registration card
```

3. Install the BEA SNMP Agent Product License

If the Tuxedo (7.1, 6.5, 6.4) or WLE (5.1, 4.2) system software supported by the installed BEA SNMP Agent package is present on the host UNIX system, the installation program asks whether you want to install the BEA SNMP Agent product license:

```
Do you wish to install the BEA SNMP Agent 2.1 License [y/n]:
```

Enter *y*.

The installation program then prompts for the following information:

```
Path for BEA SNMP Agent 2.1 License file [?,q]:
```

Read the following important information and then enter the absolute pathname of the directory where the BEA SNMP Agent 2.1 license file (*lic.txt*) resides on your machine.

- There are three types of licenses for the BEA SNMP Agent 2.1 product: a 30-day evaluation license, a development license, and a production license. When a 30-day evaluation license expires, a customer may decide to buy the BEA SNMP Agent product, thus upgrading the evaluation license to a *permanent* (development or production) license. For information on acquiring a permanent license, see “Web Distribution” on page 1-2.
- After you specify the location of the license file (*lic.txt*), the installation program appends the content of the license file to the license file in the *tux_or_wle_install_dir/udataobj* directory, where *tux_or_wle_install_dir* represents the installation directory in which the target Tuxedo (7.1, 6.5, 6.4) or WLE (5.1, 4.2) system software is installed on the host UNIX system.

The installation program installs the license file, prints the following messages, and quits:

```
.  
.   
.
```

```
Installation of BEA SNMP Agent 2.1 was successful
```

```
Please don't forget to fill out and send in your registration card
```

Note: If the Tuxedo (7.1, 6.5, 6.4) or WLE (5.1, 4.2) system software supported by the installed BEA SNMP Agent package is not present on the host UNIX system, you must manually append the content of the BEA SNMP Agent license file to the Tuxedo/WLE license file after you install the Tuxedo/WLE software.

Congratulations! Your installation of the BEA SNMP Agent 2.1 software is complete! For information on configuring and starting SNMP agents and the optional BEA SNMP Agent Integrator, see the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html>.

If you want to run multiple instances of the SNMP agent to manage multiple Tuxedo or WLE domains, use the `tux_snmpd/wle_snmpd` command to start the additional agents. For details, see “[Setting Up BEA SNMP Agent on a Managed Node](#)” in the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/2setupag.html>.

Installing BEA SNMP Agent 2.1.1 on a UNIX System

Installing the BEA SNMP Agent 2.1.1 software on a UNIX system consists of the following two procedures:

1. Starting the BEA SNMP Agent 2.1.1 installation on a UNIX system
2. Running the BEA SNMP Agent 2.1.1 installation on a UNIX system

Installing the BEA SNMP Agent 2.1.1 software does *not* require a BEA SNMP Agent product license. The only license required is a valid BEA Tuxedo 8.0 license on the host machine.

Starting the BEA SNMP Agent 2.1.1 Installation on a UNIX System

To start the BEA SNMP Agent 2.1.1 installation process on a UNIX system, follow these steps:

1. Select a UNIX system that meets the hardware and software requirements described in “System Requirements for BEA SNMP Agent 2.1.1” on page 1-7.
2. Log in to the UNIX system.
3. Open a command-line shell.
4. Ensure that the `uncompress` utility is included in your `PATH` variable setting.
5. Go to <http://commerce.bea.com/downloads/tuxedo.jsp> and download the BEA SNMP Agent 2.1.1 installation file specific to your platform.
6. Go to the directory where you downloaded the installation file and enter the following command to unpack the installation file:

```
prompt> tar xvf filename.tar
```

where *filename* is the name of the installation file.
7. Go to the resulting `snmp_agent` directory in the current directory and enter the following command to start the installation program:

```
prompt> sh ./install.sh
```
8. Proceed to “Running the BEA SNMP Agent 2.1.1 Installation on a UNIX System” that follows.

Running the BEA SNMP Agent 2.1.1 Installation on a UNIX System

To complete the installation process, respond to the prompts in each section by entering the number associated with your choice or by pressing Enter to accept the default. You can stop the installation process at any time by issuing an interrupt, typically by pressing Delete, Break, or Ctrl-C.

The UNIX installation program for BEA SNMP Agent 2.1.1 scans your hard disk looking for a Tuxedo 8.0 system installation. If no installation is found, the installation program displays an error message and quits.

If a Tuxedo 8.0 installation is found, the installation program displays the name of the package to be installed. For example:

```
** You have chosen to install from sun5x/sol28/tux-8.0 **
```

```
BEA SNMP Agent 2.1.1
```

```
This directory contains the BEA SNMP Agent 2.1.1 product(s) for  
tux 8.0 on SunOS 5.8 \ (Solaris 2.8\ ) on SPARC
```

The installation program then asks you to select the BEA SNMP Agent package to start the installation:

The following packages are available:

```
1      snmp              BEA SNMP Agent 2.1.1
```

```
Select the package(s) you wish to install.  
Separate multiple packages with a space.
```

```
(type 'all' to install all packages) (default: all) [?,??,q]:
```

Enter `all` or simply press Enter to start the installation. Optionally, you can enter `?` for an explanation of your possible entries, `??` to list the options again, or `q` to quit the installation program.

The installation program then displays product information and prompts you to specify the directory in which you want to install the BEA SNMP Agent software. If you choose to create a new directory, say `/bea/tux8`, the installer program automatically creates the directory for you.

Enter the absolute pathname of the directory in which you want to install the BEA SNMP Agent software.

The installation program then determines if sufficient space is available for the installation, and if so, shows the files being installed. For example:

```
Unloading /cdrom/volume_name/sun5x/sol28/tux-8.0/snmp/snmp.Z ...
```

```
bin/evt2trapd
```

```
bin/tux_snmpd
```

```
bin/snmp_integrator
```

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```
.
.
.

etc/mib.txt

etc/bea.asn1

.
.
.

etc/beamgr.conf

etc/beamgr_snmpd.conf

11480 blocks

... finished

Modifying configuration files to show installation date/time...

... finished

Changing file permissions...

... finished

Installation of BEA SNMP Agent 2.1.1 was successful

Please don't forget to fill out and send in your registration card
```

Congratulations! Your installation of the BEA SNMP Agent 2.1.1 software is complete! For information on configuring and starting Tuxedo SNMP agents and the optional BEA SNMP Agent Integrator, see the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/index.html>.

If you want to run multiple instances of the Tuxedo SNMP agent to manage multiple Tuxedo 8.0 domains, use the `tux_snmpd` command to start the additional agents. For details, see “*Setting Up BEA SNMP Agent on a Managed Node*” in the *BEA SNMP Agent Administration Guide* at <http://e-docs.bea.com/snmpagnt/v210/adminguide/2setupag.html>.

Uninstalling BEA SNMP Agent 2.1 or 2.1.1 from a UNIX System

To uninstall the BEA SNMP Agent 2.1 or 2.1.1 software from a UNIX system, follow these steps:

1. If desired, save some of your BEA SNMP Agent files—configuration files in particular—to another directory. For example, you may want to save these files:

installation_directory/etc/beamgr.conf

installation_directory/etc/beamgr_snmpd.conf

where *installation_directory* is the directory in which you installed the BEA SNMP Agent software.

2. Remove the BEA SNMP Agent installation directory.

3 *Installing BEA SNMP Agent on a UNIX System*

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