



BEA SNMP Agent Installation Guide

For BEA Tuxedo and
BEA WebLogic Enterprise

BEA SNMP Agent 2.1
Document Edition 2.1
October 2000

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

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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 your system. This guide is organized as follows:

- Chapter 1, “Installing and Uninstalling BEA SNMP Agent on a UNIX Platform,” describes installation and uninstallation procedures for a UNIX system.
- Chapter 2, “Installing and Uninstalling BEA SNMP Agent on a Windows NT Platform,” describes installation and uninstallation procedures for a Windows NT system.

What You Need to Know

This document is intended for network or system administrators who are responsible for installing and uninstalling BEA SNMP Agent software.

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 file 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 (and also on the product CD). 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 the **PDF files** button and select the document you want to print.

If you do not have the Adobe Acrobat Reader, you can get it for free from the Adobe Web site at <http://www.adobe.com/> or contact your local Adobe sales office.

Contact Us!

Your feedback on the BEA SNMP Agent 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 BEA SNMP Agent documentation.

In your e-mail message, please indicate that you are using the documentation for the BEA SNMP Agent 2.1 release.

If you have any questions about this version of BEA SNMP Agent, or if you have problems installing and running BEA SNMP Agent, contact BEA Customer Support through BEA WebSupport at www.bea.com. You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

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	Item
boldface text	Indicates terms defined in the glossary.
Ctrl+Tab	Indicates that you must press two or more keys simultaneously.
<i>italics</i>	Indicates emphasis or book titles.
monospace text	<p>Indicates code samples, commands and their options, data structures and their members, data types, directories, and file names and their extensions. Monospace text also indicates text that you must enter from the keyboard.</p> <p><i>Examples:</i></p> <pre>#include <iostream.h> void main () the pointer psz chmod u+w * \tux\data\ap .doc tux.doc BITMAP float</pre>
monospace boldface text	<p>Identifies significant words in code.</p> <p><i>Example:</i></p> <pre>void commit ()</pre>
<i>monospace italic text</i>	<p>Identifies variables in code.</p> <p><i>Example:</i></p> <pre>String <i>expr</i></pre>

Convention	Item
UPPERCASE TEXT	Indicates device names, environment variables, and logical operators. <i>Examples:</i> LPT1 SIGNON OR
{ }	Indicates a set of choices in a syntax line. The braces themselves should never be typed.
[]	Indicates optional items in a syntax line. The brackets themselves should never be typed. <i>Example:</i> buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...
	Separates mutually exclusive choices in a syntax line. The symbol itself should never be typed.
...	Indicates one of the following in a command line: <ul style="list-style-type: none">■ That an argument can be repeated several times in a command line■ That the statement omits additional optional arguments■ That you can enter additional parameters, values, or other information The ellipsis itself should never be typed. <i>Example:</i> buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...
. . . .	Indicates the omission of items from a code example or from a syntax line. The vertical ellipsis itself should never be typed.

1 Installing and Uninstalling BEA SNMP Agent on a UNIX Platform

This chapter explains how to install and uninstall BEA SNMP Agent on a UNIX platform in these sections:

- Installing BEA SNMP Agent on UNIX
- Uninstalling BEA SNMP Agent from UNIX

Installing BEA SNMP Agent on UNIX

Follow this procedure to install BEA SNMP Agent on your UNIX platform:

1. Make sure your system meets or exceeds the requirements listed in the *BEA SNMP Agent Release Notes for BEA Tuxedo and BEA WebLogic Enterprise*.

2. Some attributes of Tuxedo resources are accessible globally (no matter which Tuxedo node they are on) while others are accessible only by an SNMP agent local to the same machine. To access managed objects that are only accessible locally, you must install Tuxedo SNMP agents on each machine where these resources reside.
3. To monitor multiple Tuxedo or WLE domains you can run multiple SNMP agents on the same node. Each agent can monitor only one domain. To monitor multiple domains you must have the BEA SNMP Agent Integrator running and the agents must be started as subagents. See the *BEA SNMP Agent Administrator's Guide for BEA Tuxedo and BEA WebLogic Enterprise* for more information.

4. Obtain a license file.

Call or email BEA Customer Support to request a license file for BEA SNMP Agent.

- The contact information for BEA Customer Support in North America is:

Phone: 1-888-232-7878

Email: support@bea.com

- For contact information for additional locations, go to the following Web address: http://www.bea.com/support/contact_cs.html.

When you receive your license file, copy it to your hard drive.

5. To enable the product license, have your BEA SNMP license available during installation of the BEA SNMP Agent product.
6. Mount the CD on the UNIX file system.

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

- a. For example, on a Solaris 2.6 or 2.7 platform, volume management is enabled by default. Thus, when you insert the CD into the drive, its file system is automatically mounted.

- b. If you are mounting the CD file system from a remote machine, mount the CD as an NFS file system with the following command:

```
mount -F nfs -r machine-name:/cdrom/bea_snmp_agent_2_1
/mount-point
```

For example:

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

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

```
# nohup pfs_mountd &
# nohup pfsd &
```

Then mount the CD using this command:

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

For example:

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

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

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

7. Install the BEA SNMP Agent software by changing to the directory where the CD is mounted.

For example:

```
% cd /cdrom
```

Note: Before executing the following command, make sure that the PATH includes access to the `uncompress` utility.

8. Start the installation program:

```
% sh ./install.sh
```

Enter all data carefully. If the installation program encounters any errors, it quits and you have to restart again at Step 1.

You can stop the installation program at any time by issuing an interrupt, typically by pressing **Delete**, **Break**, or **Ctrl-C**.

The installation program displays the hardware/ software installation options.

```
01) alpha/dux40/tux-6.4          02) alpha/tru64/tux-7.1
```

1 Installing and Uninstalling BEA SNMP Agent on a UNIX Platform

```
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]:
```

9. Enter the value for a hardware/ software installation option. Optionally, you can enter **l** to list the options again, or enter **q** to quit the installation. See the *BEA SNMP Agent Release Notes for BEA Tuxedo and BEA WebLogic Enterprise* for a description of supported platforms.

The installation program repeats your selection, identifies the product family to be installed, and asks you to confirm your selection.

For example:

```
** You have chosen to install from sun5x/sol251 **
```

```
SNMP Agent
```

```
This directory contains the SNMP Agent product(s) for
SunOS 5.5.1 (Solaris 2.5.1) on SPARC.
```

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

10. Enter **Y** to confirm, **N** to make another selection, or **Q** to quit the installation.

The installation program asks you which platform's files to install.

```
Install which platform's files? [01-21, q to quit, l for
list]: 19
```

```
To terminate the installation at any time
```

```
press the interrupt key,
```

```
typically <del>, <break>, or <ctrl+c>.
```

```
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]:
1
```

Enter the number associated with the product you want to install:

- Two or more numbers separated by spaces to install multiple packages
- all to install all packages
- ? for an explanation of your possible entries
- ?? to list the options again.

Then press **Enter** to continue.

The installation program displays product information and prompts you for a directory location in which to install the product.

11. Enter the installation location.

The following instructions use an installation directory named `/usr/SNMP Agent`. If the specified directory does not exist, the installation program creates it and starts installing the product.

```
Base directory for the BEA SNMP Agent files [?,q]: /usr/tux71
```

```
Determining if sufficient space is available ...
```

```
5736 blocks are required
```

```
1310272 blocks are available to /usr/tux71
```

```
Using /usr/tux71 as the BEA SNMP Agent base directory
```

The installation script then displays a list of the files being installed.

```
Unloading
```

```
/cdrom/boa_snmp_agent_2_1/snmp/sun5x/sol26/tux-7.1/snmp/snmp.Z
```

```
...
```

```
bin/evt2trapd
```

```
bin/tux_snmpd
```

1 *Installing and Uninstalling BEA SNMP Agent on a UNIX Platform*

```
bin/snmp_integrator
bin/snmpget
bin/snmpgetnext
...
etc/bea2tiv.cds
etc/bea2tiv.oid
etc/beamgr.conf
etc/beamgr_snmpd.conf
11480 blocks
... finished
```

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

```
Changing file permissions...
... finished
```

12. If you did not select all as your original installation choice, the installation program redisplay the list of options after it finishes installing the packages that you selected for installation:

To terminate the installation at any time
press the interrupt key,
typically , <break>, or <ctrl+c>.

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]:
all
```

After you install all desired products, type **q** and press **Enter** to quit.

13. The installation program prompts you for the location of the BEA SNMP Agent License file:

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

Enter **Y**.

The installation program displays the next question:

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

Enter the name of the directory that contains the license file that you obtained at the beginning of this procedure.

Note: The following instructions use a license directory named `/BEASNMP/etc`.

The installation program installs the license file and completes the installation of the BEA SNMP Agent software. For example:

```
Determining if sufficient space is available ...
7357 blocks are required
2347636 blocks are available to /BEASNMP/etc
```

```
Using /BEASNMP/etc as the BEA SNMP Agent 2.1 License directory
```

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

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

14. The BEA SNMP Agent CD includes online documentation in the `doc` directory. You can copy this directory to your hard drive.

To view the online documentation in a Web browser, open `doc/html/index.htm`.

15. If your UNIX platform does not provide a Web browser, you can view the PDF files, which are located in `doc/pdf`.

To view the PDF files, you need Adobe Acrobat Reader. If you do not have this program, you can get it for free from the Adobe Web site at <http://www.adobe.com> or call your local Adobe sales office.

16. See the *BEA SNMP Agent Administrator's Guide for BEA Tuxedo and BEA WebLogic Enterprise* for information on configuration, and on starting the BEA SNMP Agent and the optional BEA SNMP Agent Integrator.

Uninstalling BEA SNMP Agent from UNIX

Follow this procedure to uninstall BEA SNMP Agent from your UNIX platform:

1. If desired, save some of the BEA SNMP Agent files, particularly configuration files, to another directory.

For example:

```
install_dir/etc/beamgr.conf
```

```
install_dir/etc/beamgr_snmpd.conf
```

In the preceding example, *install_dir* is the directory in which you installed the BEA SNMP Agent software.

2. Remove the BEA SNMP Agent installation directory.

2 Installing and Uninstalling BEA SNMP Agent on a Windows NT Platform

This chapter explains how to install and uninstall BEA SNMP Agent on a Windows NT platform in these sections:

- Installing BEA SNMP Agent on Windows NT
- Uninstalling BEA SNMP Agent from Windows NT

Installing BEA SNMP Agent on Windows NT

Follow this procedure to install BEA SNMP Agent on your Windows NT platform:

1. Make sure your system meets or exceeds the requirements listed in the *BEA SNMP Agent Release Notes for BEA Tuxedo and BEA WebLogic Enterprise*.

The installation program scans your hard disk looking for installed versions of Tuxedo and WebLogic Enterprise. If neither product is installed, the installation program displays an error message and stops.

2. If multiple versions of BEA Tuxedo or BEA WebLogic Enterprise are installed, you are prompted to choose with which version you want to install BEA SNMP Agent; you can install it with as many versions of BEA Tuxedo and BEA WebLogic Enterprise as are installed if desired.
3. Some attributes of Tuxedo resources are accessible globally (no matter which Tuxedo node they are on) while others are accessible only by an SNMP agent local to the same machine. To access managed objects that are only accessible locally, you must install Tuxedo SNMP agents on each machine where these resources reside.
4. To monitor multiple Tuxedo or WLE domains you can run multiple SNMP agents on the same node. Each agent can monitor only one domain. To monitor multiple domains you must have the BEA SNMP Agent Integrator running and the agents must be started as subagents. See the *BEA SNMP Agent Administrator's Guide for BEA Tuxedo and BEA WebLogic Enterprise* for more information.
5. The installation program for Windows NT installs the BEA SNMP Agent as two Windows NT services. If you want to run multiple instances of the BEA SNMP Agent to monitor multiple Tuxedo or WLE domains, you need to install additional Windows NT services for the additional agents.
6. Obtain a license file.

Call or email BEA Customer Support to request a license file for BEA SNMP Agent.

- The contact information for BEA Customer Support in North America is:
Phone: 1-888-232-7878
Email: support@bea.com
- For contact information for additional locations, go to the following Web address: http://www.bea.com/support/contact_cs.html.

When you receive your license file, copy it to your hard drive.

7. To enable the product license, have your BEA SNMP license available during installation of the BEA SNMP Agent product.
8. Exit all Windows programs.
9. Insert the BEA SNMP Agent CD in the CR-ROM drive and use Windows Explorer to navigate to the `inwnt40` directory.
10. Double-click the `setup.exe` file icon.

If you have installed more than one version of Tuxedo and/or WebLogic Enterprise, the installation program displays the Select Components screen, listing the versions of Tuxedo and WLE that you have installed. (If you installed only one version of Tuxedo or WLE, this screen is not displayed.)



11. Select the version of Tuxedo or WLE where you want the BEA SNMP Agent to be installed and then click **Next**.

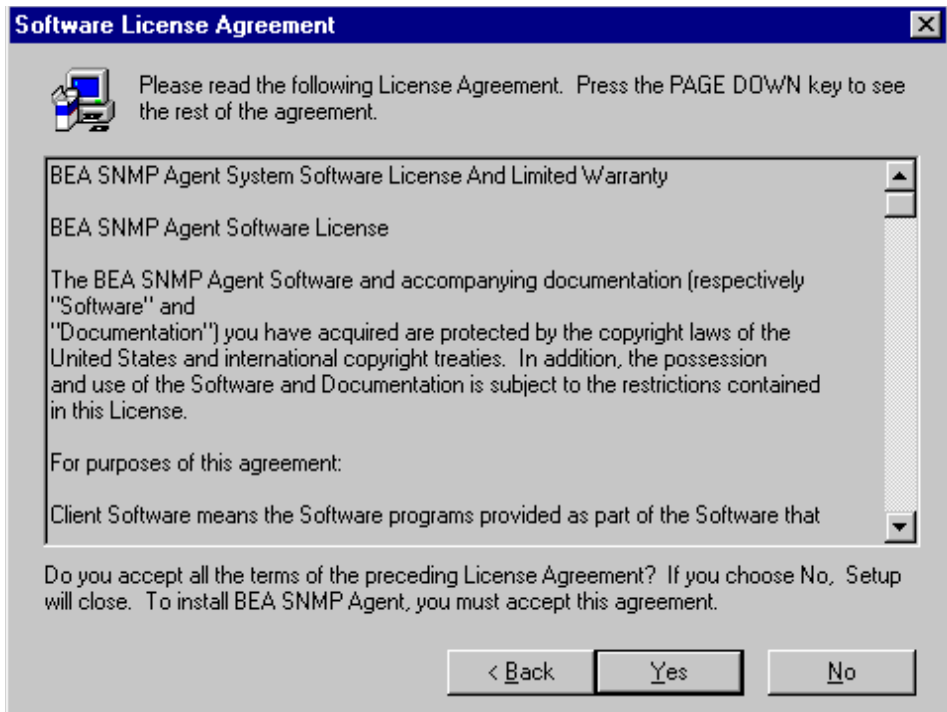
The installation program displays the Welcome screen.



12. Click **Next**.

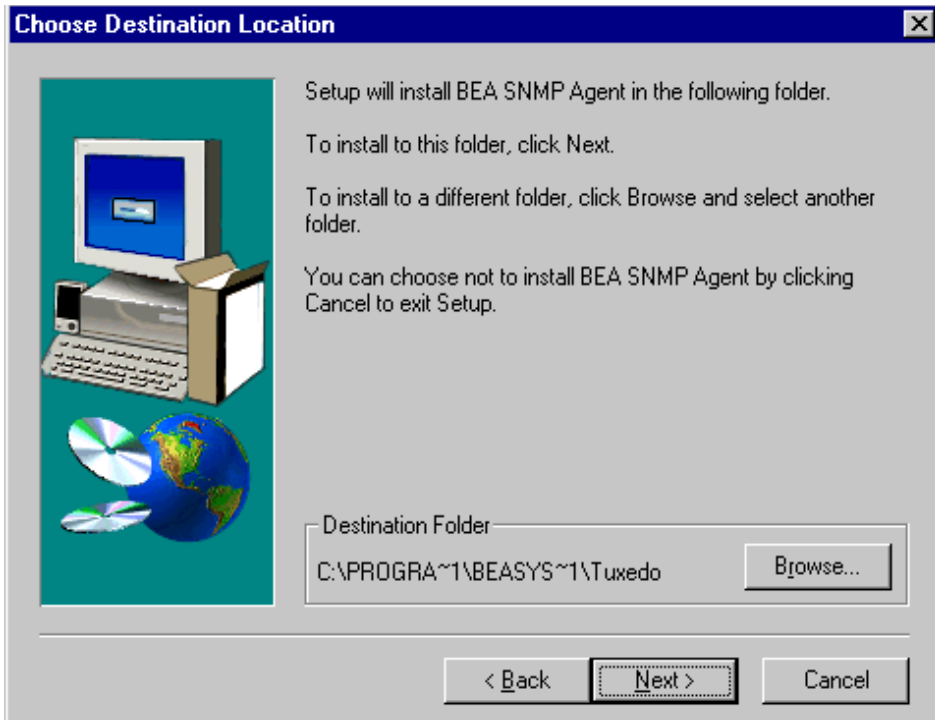
2 *Installing and Uninstalling BEA SNMP Agent on a Windows NT Platform*

The installation program displays the Software License Agreement screen.



13. Read the Software License Agreement and click **Yes**.

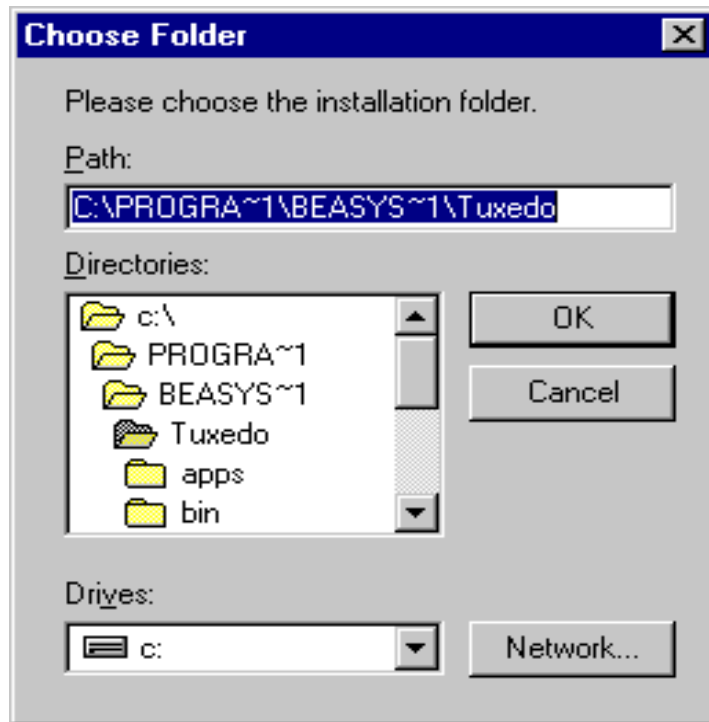
The installation program displays the Choose Destination Location screen.



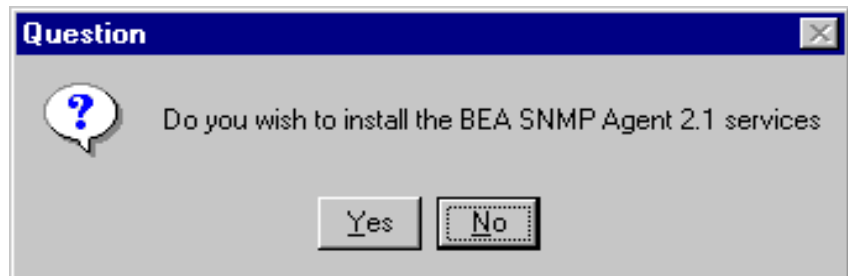
It is recommended that you DO install the BEA SNMP Agent in the default destination folder. If you do not do so, you could have problems with the license file and configuring the application. To select the default destination folder, click **Next**.

2 Installing and Uninstalling BEA SNMP Agent on a Windows NT Platform

If you do not want to install the BEA SNMP Agent in the default destination folder, click **Browse**. The Choose Folder screen is displayed.



14. Choose the desired installation location, and then click **OK**. The Question dialog is displayed.



15. Click **Yes**.

The installation program proceeds to extract, uncompress, and install the BEA SNMP Agent files. This installs the BEA SNMP Agent as two services. One is the `snmp_integrator`. The other is given one of the following names based on which version of Tuxedo or WLE you installed:

`tux64_snmpd`

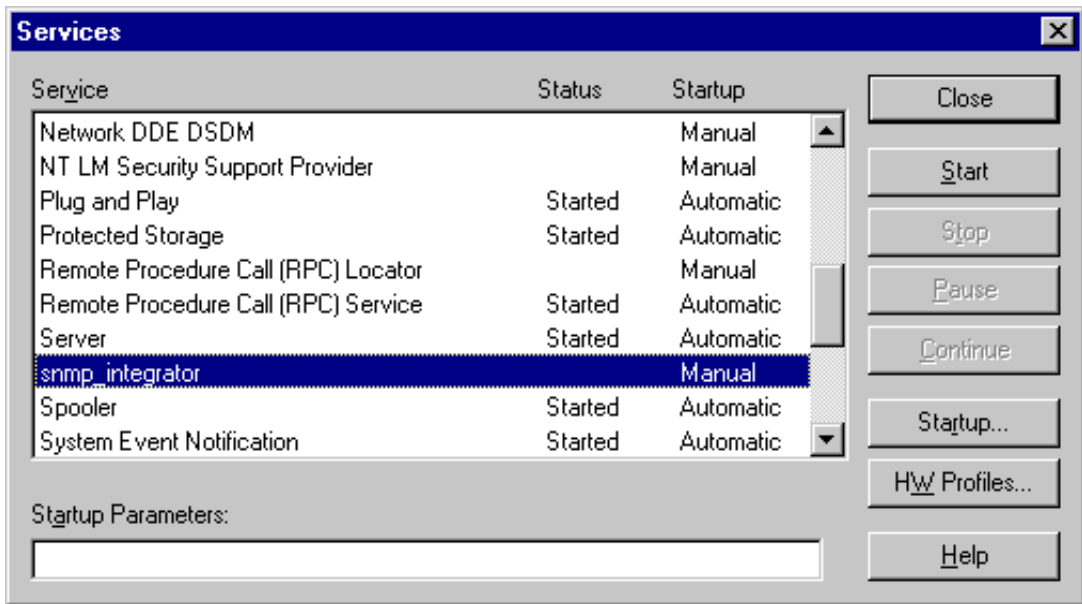
`tux65_snmpd`

`tux71_snmpd`

`wle42_snmpd`

`wle51_snmpd`

You can check to make sure that these services are registered as NT services. Select **Start—Settings—Control Panel—Services** and scroll the list of services until you find these two on the list. Here is an example of what you should see:



Note: If you click **No** and attempt to install the BEA SNMP Agent manually as two Windows services, or attempt to run the BEA SNMP Agent from its executable files, the result is unpredictable and, thus, not recommended.

Caution: If more than one version of Tuxedo or WLE is installed on the same machine, and one of these versions is then uninstalled, you must re-register

2 *Installing and Uninstalling BEA SNMP Agent on a Windows NT Platform*

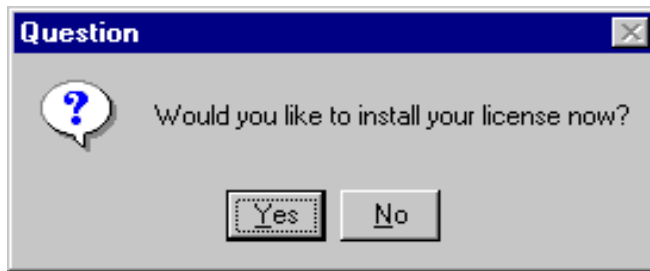
`snmp_integrator` as a Windows NT service. To do this, type the following command at the command prompt:

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

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

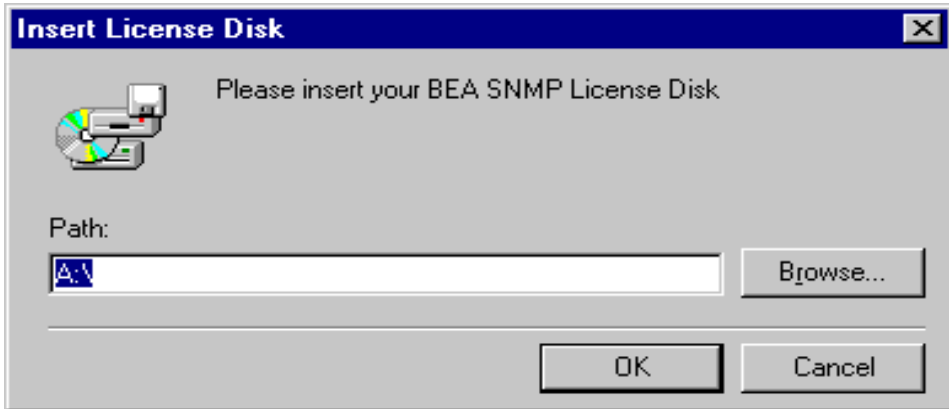
```
instsrv snmp_integrator c:\tux71\bin\snmp_integrator.exe
```

When the installation program has finished installing the two services, the Question dialog is displayed.



16. Click **Yes** to continue.

The installation program displays the Insert License Disk dialog.



Note: If you click **No**, an error message displays, the installation program stops, and the BEA SNMP Agent is not completely installed.

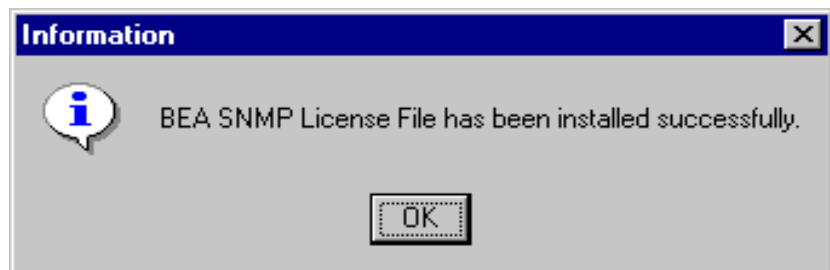
17. Click **Browse**.

The Choose Folder screen is displayed.



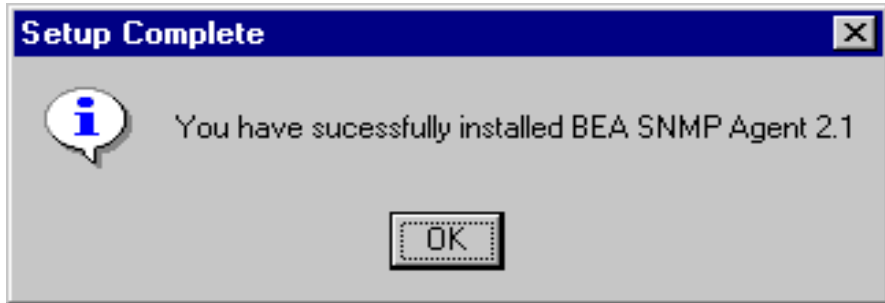
Navigate to the directory that contains the SNMP Agent license file that you obtained in Step 6, and then click **OK**.

18. The license is installed, and then the Information dialog is displayed.



19. Click **OK**.

The Setup Complete dialog is displayed.

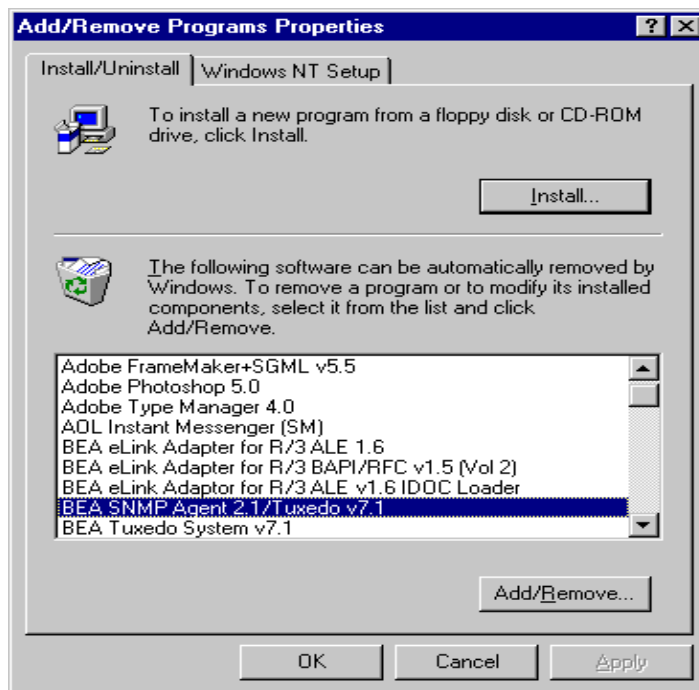


20. Click **OK**. Your setup procedure is now complete.
21. The BEA SNMP Agent CD includes online documentation in the `doc` directory. You can copy this directory to your local hard drive.
- To view the online documentation in a Web browser, open `doc\html\index.htm`.
22. If you do not have a Web browser, you can view the PDF files, which are located in `doc/pdf`.
- To view the PDF files, you need Adobe Acrobat Reader. If you do not have this program, you can get it for free from the Adobe Web site at <http://www.adobe.com> or contact your local Adobe sales office.
23. See the *BEA SNMP Agent Administrator's Guide for BEA Tuxedo and BEA WebLogic Enterprise* for information on configuration, and on starting the BEA SNMP Agent and the optional BEA SNMP Agent Integrator.

Uninstalling BEA SNMP Agent from Windows NT

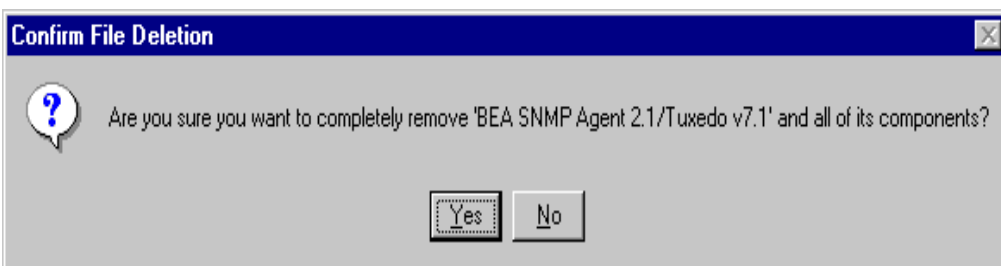
Follow this procedure to uninstall BEA SNMP Agent from your Windows NT platform:

1. Click **Start—Settings—Control Panel—Add/Remove Programs**. The Add/Remove Programs screen displays.



2. Select the Tuxedo or WLE version from which you want to uninstall BEA SNMP Agent 2.1 on the list of installed programs, then click **Add/Remove**.

The Add/Remove program displays the Confirm File Deletion dialog.



3. Click **Yes**.

While uninstalling the BEA SNMP Agent software, the Add/Remove program displays the Remove Programs From Your Computer screen.



4. Click **OK** when the uninstallation is complete.

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Uninstalling BEA SNMP Agent, from Windows NT 2-14