BEA SALT™

Installation Guide

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Contents

1. Introduction

Overview 1-1
Preparing to Install BEA SALT 1-1
BEA SALT Platform Support 1-2
BEA SALT Installation Program 1-2
BEA SALT Distribution Methods 1-2
Web Distribution 1-2
CD-ROM Distribution 1-3
What's Next? 1-3

2. Installing BEA SALT Using GUI-Mode Installation

What Is GUI-Mode Installation 2-1
Installing on Windows or UNIX Platforms in Graphics Mode 2-1
Uninstalling BEA SALT 2-11
See Also 2-13

3. Installing BEA SALT Using Console-Mode Installation

What Is Console-Mode Installation? 3-1
Installing on UNIX Platforms in Console Mode 3-1
Uninstalling BEA SALT on UNIX Platforms in Console Mode 3-5
See Also 3-7

4. Installing BEA SALT Using Silent Installation

Preparing for Silent Mode Installation 4-1

Creating a Silent Mode Installation Template File 4-1

Sample Windows Template 4-2

Sample UNIX Template 4-2

Installing BEA SALT on Windows 4-3

Installing BEA SALT on UNIX 4-3

Verifying Silent Mode Installation 4-3

See Also 4-4

5. Post BEA SALT Installation

Manually Installing the BEA SALT License File 5-1

UNIX License File Installation 5-1

Windows License File Installation 5-2

Sample BEA SALT License Appended to Tuxedo License 5-2

Post-Installation BEA BEA SALT Directory Structure 5-3

Installing BEA SALT Rolling Patches 5-5

Rolling Back to A Previous Installation 5-6

See Also 5-6

A. BEA SALT 1.1 Supported Platforms

CHAPTER 1

Introduction

This section contains the following topics:

- Overview
- Preparing to Install BEA SALT
- BEA SALT Installation Program
- BEA SALT Distribution Methods
- What's Next?

Overview

BEA SALT provides a native Web service stack for Tuxedo. It enables you to access Tuxedo services via the SOAP/WS-* protocol. BEA SALT is configuration-driven. You can easily export most existing Tuxedo services as Web services without having to do any programming tasks. This document will guide you through BEA SALT installation on top of Tuxedo.

Preparing to Install BEA SALT

Before installing BEA SALT, ensure the following prerequisites are met.

- You have successfully installed Tuxedo 8.1 or Tuxedo 9.1 server components. For more server component information, see Tuxedo 8.1 install sets and Tuxedo 9.1 install sets.

Notes: For Tuxedo 8.1 (Windows), rolling patch 268 or above is required.

For Tuxedo 8.1 (UNIX), rolling patch 265 or above is required.

For Tuxedo 9.1 (Windows and UNIX), rolling patch 003 or above is required.

The rolling patch can be found on the product CD. You can also contact BEA Support for the latest rolling patch version.

BEA SALT Platform Support

For a listing of BEA SALT-supported platforms, see BEA SALT 1.1 Supported Platforms.

BEA SALT Installation Program

The BEA SALT software is distributed as an installation program for Windows or UNIX systems. The BEA SALT installation program supports three installation methods. You can use any of these methods to install the BEA SALT product software:

- Graphical user interface (GUI) mode installation, described in "Installing BEA SALT Using GUI-Mode Installation" on page 2-1.
- Console-mode installation, described in "Installing BEA SALT Using Console-Mode Installation" on page 3-1.
- Silent installation, described in "Installing BEA SALT Using Silent Installation" on page 4-1.

BEA SALT Distribution Methods

BEA SALT is distributed on both the Web and CD-ROM.

Web Distribution

An evaluation copy of BEA SALT is available for download from the BEA corporate Web site at `http://commerce.bea.com/downloads/tuxedo.jsp#tuxedo`. When downloading BEA SALT, you must also download an evaluation license, which allows you to use the BEA SALT software for a 30-day trial period. Anytime during the 30-day trial period you may purchase a non-expiring license for your BEA SALT product by calling or e-mailing BEA Customer Support. For BEA Customer Support contact information, go to `http://www.bea.com/support/contact_cs.html`.

Platform-specific installer files for the BEA SALT product software are available for download from the BEA corporate Web site.

CD-ROM Distribution

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

- BEA SALT product software CD
- The following printed documents:
  - "Read-Me-First" card containing an overview of the product box content
  - "Customer Support Quick Reference and Other Important Information" card
  - "BEA Software License and Limited Warranty" pamphlet
  - BEA SALT Documentation Location sheet

Shortly after purchasing BEA SALT on CD-ROM, you will receive a non-expiring BEA SALT product license via e-mail.

What's Next?

You are now ready to begin your installation. To install BEA SALT 1.1, see one of the following sections:

- Installing BEA SALT Using GUI-Mode Installation
- Installing BEA SALT Using Console-Mode Installation
- Installing BEA SALT Using Silent Installation

CHAPTER 2

Installing BEA SALT Using GUI-Mode Installation

This section contains the following topics:

- What Is GUI-Mode Installation
- Installing on Windows or UNIX Platforms in Graphics Mode
- Uninstalling BEA SALT

What Is GUI-Mode Installation

The graphical user interface mode installation is the graphics-based method of executing the BEA SALT installation program. It can run on both Windows and UNIX systems.

To run GUI-mode installation, the computer console on which you are installing the software must support a Java-based GUI. All consoles for Windows systems support Java-based GUIs, but not all consoles for UNIX systems do.

Note: To install BEA SALT on a UNIX system with a non-graphics console, see "Installing BEA SALT Using Console-Mode Installation" on page 3-1.

Installing on Windows or UNIX Platforms in Graphics Mode

Perform the following steps to install the BEA SALT software on a Windows platform or on a UNIX platform in graphics mode:

1. Insert the BEA SALT CD-ROM.
2. Do one of the following, depending on your platform:

   On Windows:

   a. Choose Start→Run. The Run dialog appears.

   b. Click Browse to navigate to the CD-ROM drive root directory

   c. If you are installing BEA SALT on top of Tuxedo 8.1, select `salt11_tux81_32_win2k_x86.exe`

      If you are installing BEA SALT on top of Tuxedo 9.1, select `salt11_tux91_32_win2k3_x86.exe`

   d. Click Open.

   e. Install Anywhere runs and the Introduction screen (Figure 2-1) appears.

   f. Proceed to Step 3.

   On UNIX:

   a. Log on as root to install the BEA SALT software.

   ```
   $ su -
   Password:
   ```

   b. Access the CD-ROM device.

   ```
   > ls -l /dev/cdrom
   total 0
   brw-rw-rw-     1 root     sys     22,   0 July 1 10:55 c1b0t010
   ```

   c. Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to the platform data sheets for Tuxedo 8.1 or Tuxedo 9.1, or contact your System Administrator for the specific command for your system.

   d. Change the directory to the top-level directory on your CD-ROM device. For example,

   ```
   > cd /mnt/
   ```

   e. List the CD-ROM contents.

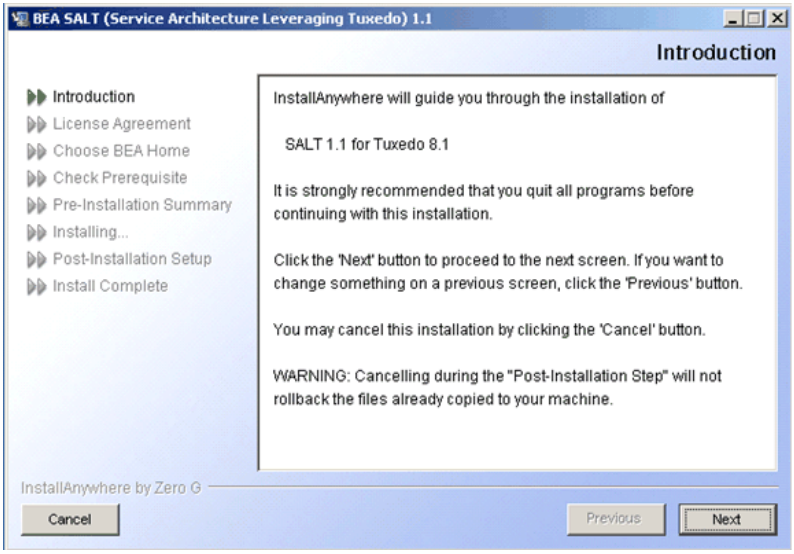
   f. Execute the installation program. For example:

   ```
   /mnt> sh salt11_tux91_32_hpux_1123_pa.bin
   ```

The Introduction screen (see Figure 2-1) appears.

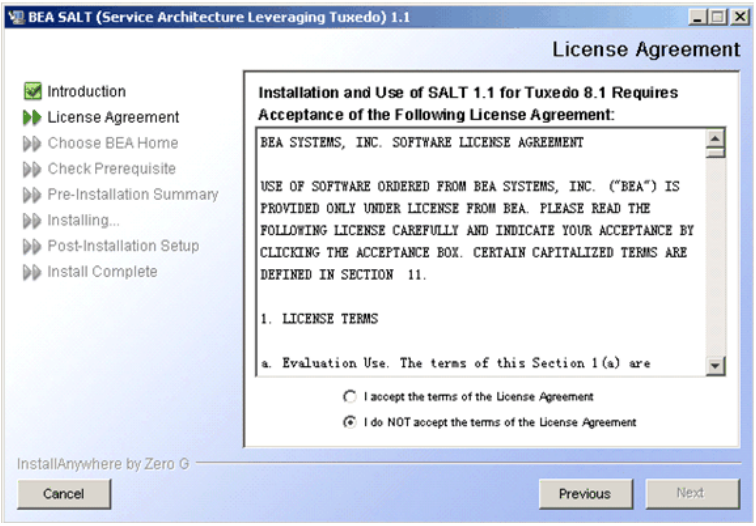
g. Proceed to Step 3.

Figure 2-1 Introduction Screen



3. Click Next to continue with the installation. The License Agreement screen appears (Figure 2-2).

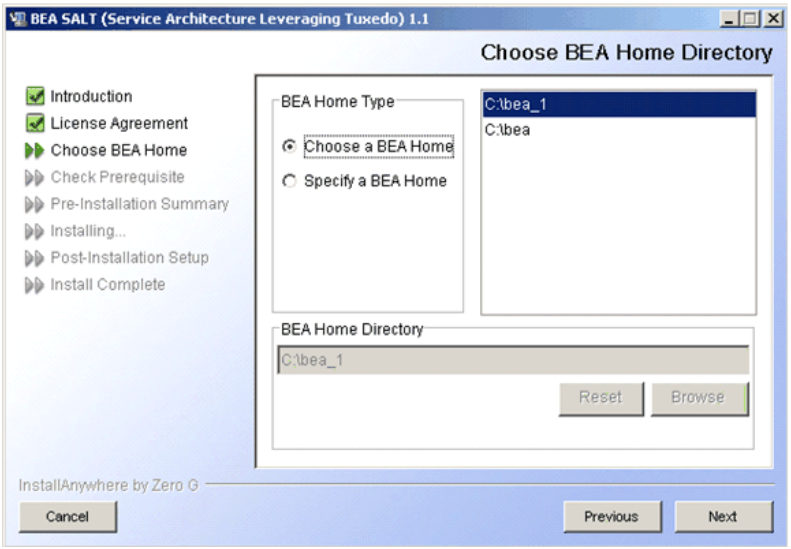
Figure 2-2 License Agreement Screen



4. Click the Accept option button to accept the license agreement; then click Next to proceed with the installation. If you click the Do Not Accept option button, you will not be able to continue with the installation.

5. Click Next to proceed with the installation. The Choose BEA Home Directory screen appears (see Figure 2-3).

Figure 2-3 Choose BEA Home Directory Screen



You can select from the following options:

– Choose a BEA Home

  Click the Choose a BEA Home option button if you already have one or more BEA Home directories on your system. Select a BEA Home directory from the list displayed to the right of the option buttons.

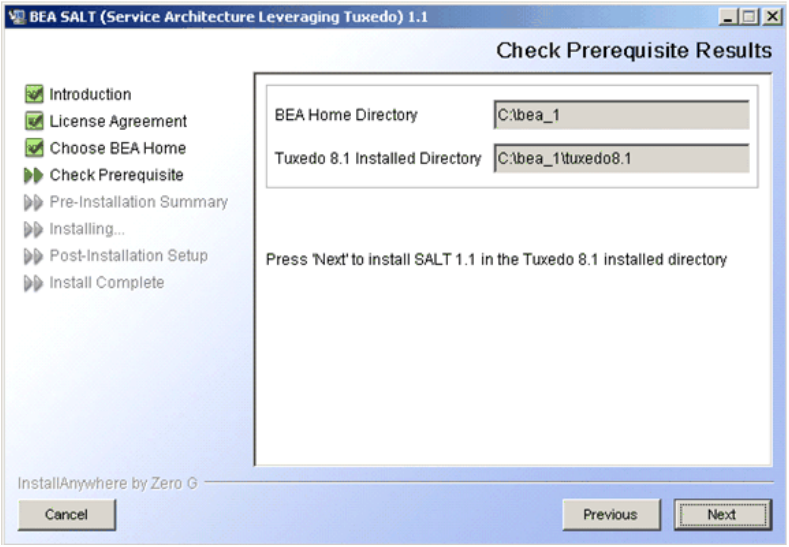
  All valid BEA Home directories are displayed in this list. Valid BEA Home directories are directories where BEA products have been installed using the standard installation program.

– Specify a BEA Home

  Click the Specify a BEA Home button to select an existing directory.

6. Click Next to proceed with the installation. The Check Prerequisite Result screen appears (see Figure 2-4). The BEA Home directory and the Tuxedo sub-directory appears.

Figure 2-4 Check Prerequisite Result Screen



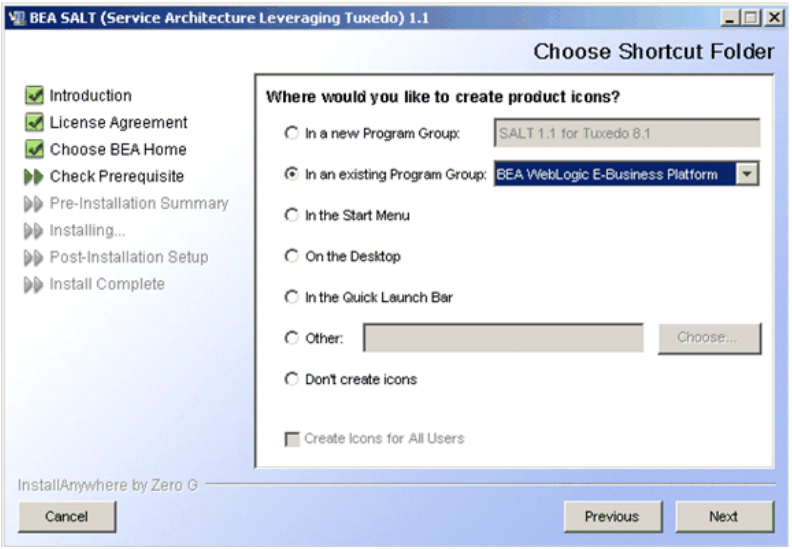
Click Next to accept this BEA Home Directory and Tuxedo sub-directory as the location to install BEA SALT and proceed with the installation. Click Cancel to terminate the installation process.

Notes: BEA SALT installation will report an error and will not proceed in the event of the following:

- `registry.xml` not found in the given BEA Home Directory
- Tuxedo installation information cannot be obtained from `registry.xml`.
- Installed Tuxedo version does not have the required rolling patch. See Preparing to Install BEA SALT.
- Tuxedo version does not have server components installed.
- If an existing BEA SALT version is detected, you are prompted to overwrite it or not. Select “yes” to overwrite the existing BEA SALT version.

7. The Choose Shortcut Folder screen appears (see Figure 2-5).

Figure 2-5 Choose Shortcut Folder Screen (Windows only)



You can select from the following options:

– In a new Program Group

– In an existing Program Group

  If you select an existing Program Group, use the drop down to select the Program Group in which to install the shortcut icons.

– In the Start Menu

– On the Desktop

– In the Quick Launch Bar

– Other

  If you select Other, you should click Choose to browse to another location in which to install the shortcut icons

– Do not create icons

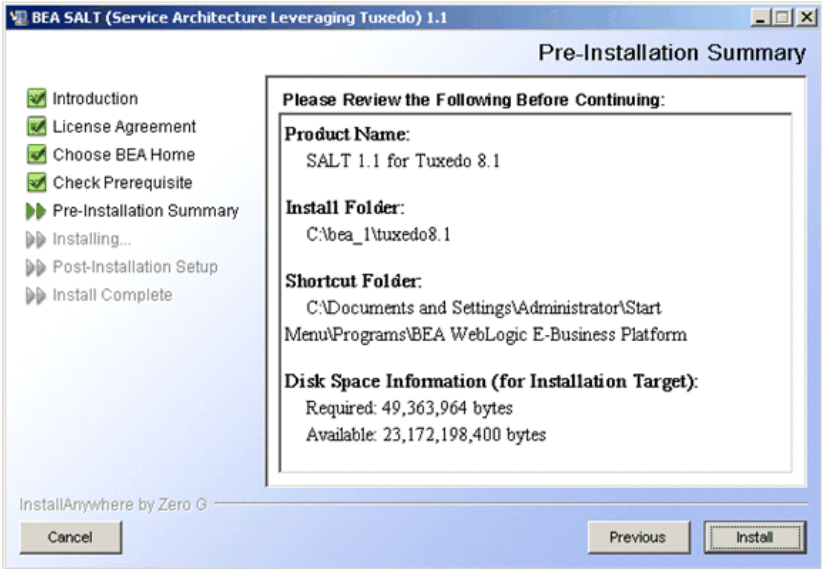
Note: If “In a new Program Group”, “In the Start Menu”, or On the Desktop” buttons are selected, the “Create Icons for All Users” check box becomes active.

If the box is checked, shortcut icons are created for all users who log on to the computer. If the box is not checked, shortcut icons are created for the current logged-on user only.

Click Next to accept the selected option as the location to install BEA SALT shortcuts and proceed with the installation. Click Cancel to terminate the installation process.

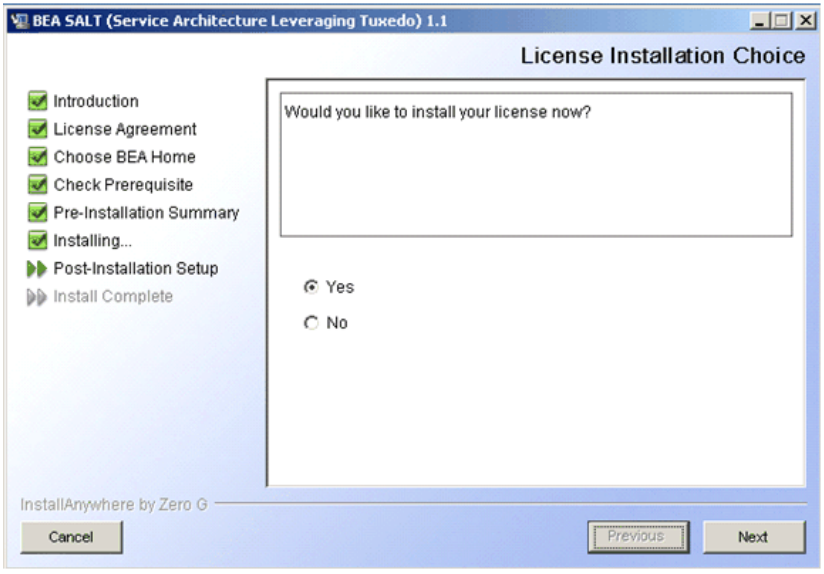
8. If the installation process continues, the Pre-Installation Summary screen appears. Review the summary information and click Install if the information is acceptable. The installation process continues. Click Previous to go back and modify any input that you want to change.

Figure 2-6 Pre-Installation Summary Screen



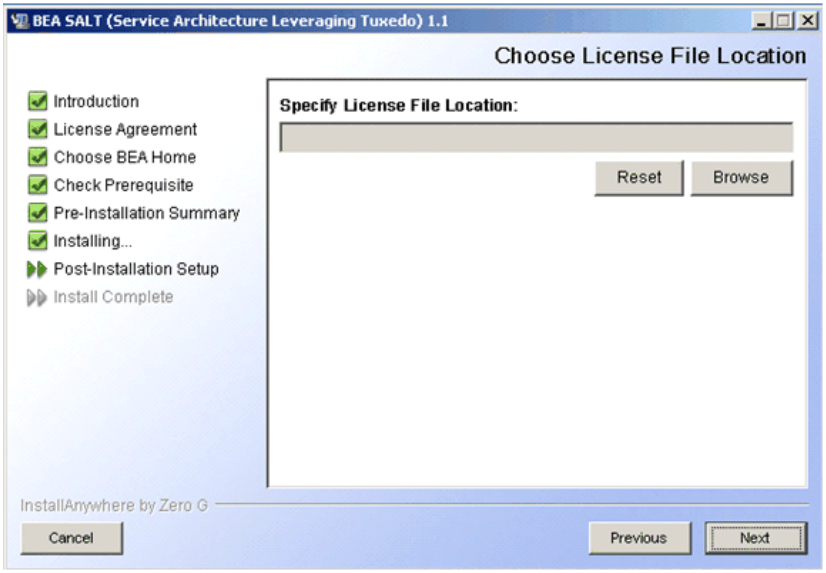
9. If the installation process completes, the License Installation Choice screen appears. To install the license now, select Yes. To install the license later, select No. Click Next to continue.

Figure 2-7 License Installation Choice Screen



– If you select Yes, the Choose License Location Directory screen appears. Click Browse to select the file location. Click Next to complete the installation process.

Figure 2-8 Choose License File Location Screen



– If you click No, click Next to complete the Installation process. For information on how to install the license file as a post-installation step, refer to "Post BEA SALT Installation" on page 5-1.

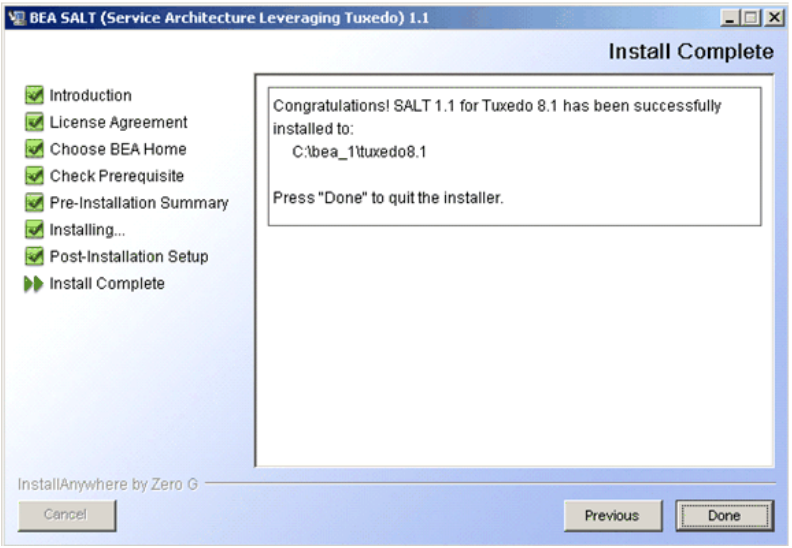
Notes: BEA SALT 1.1 installation is appended to the SALT license section from the specified file location to the Tuxedo license file (located at `$TUXDIR/udataobj/lic.txt`).

If the Tuxedo license file already contains the SALT license section, it will not be updated.

If the Tuxedo license file does not exist, the SALT license cannot be installed.

10. Upon completion, the Install Complete screen appears (Figure 2-9). Click Done to exit the installation program.

Figure 2-9 Install Complete Screen



Uninstalling BEA SALT

Perform the following steps to uninstall BEA SALT software:

Windows:

Choose Start→Programs→BEA WebLogic E-Business Platform→SALT 1.1 for Tuxedo 8.1→Uninstall SALT 1.1 for Tuxedo 8.1 from the Start menu.

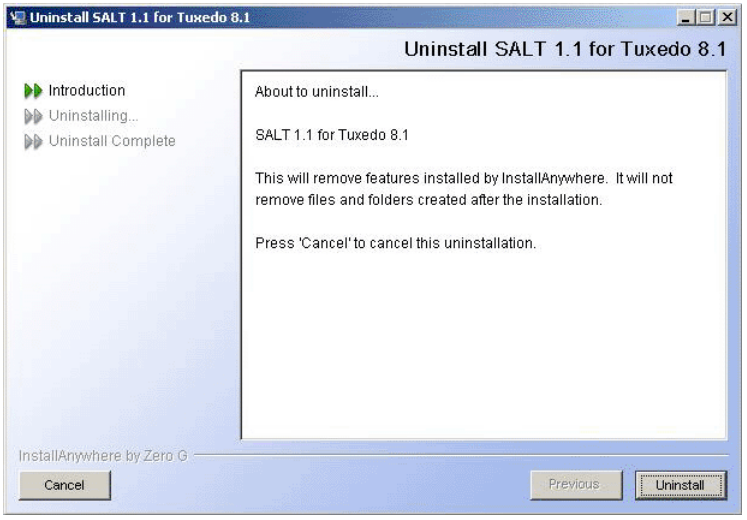
You can also uninstall via Start→Control Panel→Add or Remove Programs.

UNIX

Execute the command `$TUXDIR/uninst_salt_1_1/Uninstall_SALT_1.1_for_Tuxedo_8.1`

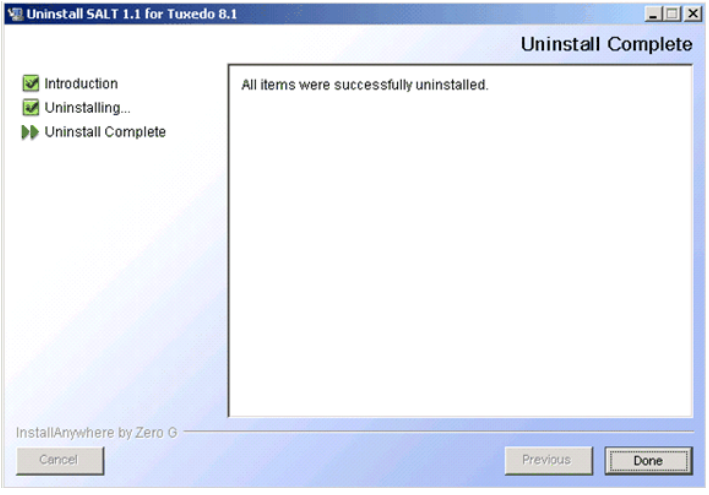
The BEA SALT Uninstaller screen appears (Figure 2-10).

Figure 2-10 Uninstall SALT 1.1 for Tuxedo 8.1 Screen



Click Uninstall to start uninstalling BEA SALT. When the process is complete, the screen shown in Figure 2-11 is displayed.

Figure 2-11 Uninstall Complete Screen



11. Click Done to complete the uninstallation.

See Also

- BEA SALT 1.1 Supported Platforms

CHAPTER 3

Installing BEA SALT Using Console-Mode Installation

This section contains the following topics:

- What Is Console-Mode Installation?
- Installing on UNIX Platforms in Console Mode
- Uninstalling BEA SALT on UNIX Platforms in Console Mode

What Is Console-Mode Installation?

Console-mode installation is the text-based method of executing the BEA Installation program. It can be run only on UNIX systems and is intended for UNIX systems with non-graphical consoles. Console-mode installation offers the same capabilities as graphics-based installation.

Installing on UNIX Platforms in Console Mode

Perform the following steps to install BEA SALT software in console mode on a certified UNIX platform:

1. Log on as root.

   ```
   $ su -
   Password:
   ```

2. Access the CD-ROM device.

   ```
   # ls -l /dev/cdrom
   total 0
   ```

```
brw-rw-rw-     1 root     sys     22,   0 July 1 10:55 c1b0t010
```

3. Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to the platform data sheets for Tuxedo 8.1 or Tuxedo 9.1, or contact your System Administrator for the specific command for your system.
4. Change the directory to the `unix` directory on your CD-ROM device. For example,

   ```
   # cd /mnt
   ```

5. List the CD-ROM contents.
6. Execute the installation program in character-based mode by selecting the appropriate file for your platform from the listed files. For example, for the HP-UX platform, select:

   ```
   # sh salt11_tux81_32_hpux_11_pa.bin -i console
   ```

7. The installation program runs and prompts you for responses (see Listing 3-1 for an example).

Listing 3-1 UNIX Console Mode Installation Example

```
Launching installer...

Preparing CONSOLE Mode Installation...

===============================================================

                     (created with InstallAnywhere by Zero G)

---------------------------------------------------------------

===============================================================

Introduction

------------

InstallAnywhere will guide you through the installation of SALT 1.1 for
Tuxedo 8.1.
```

```
It is strongly recommended that you quit all programs before continuing with
this installation.

Respond to each prompt to proceed to the next step in the installation.  If
you want to change something on a previous step, type 'back'.

You may cancel this installation by typing 'quit'.


WARNING: Cancelling during the "Post-Installation Step" will not rollback
the files already copied to your machine.

PRESS <ENTER> TO CONTINUE: <ENTER>


License Agreement
-----------------

Installation and use of SALT 1.1 for Tuxedo 8.1 requires acceptance of the
following License Agreement:

BEA SYSTEMS, INC. SOFTWARE LICENSE AGREEMENT

USE OF SOFTWARE ORDERED FROM BEA SYSTEMS, INC. ("BEA") IS PROVIDED ONLY UNDER
LICENSE FROM BEA. PLEASE READ THE FOLLOWING LICENSE CAREFULLY AND INDICATE
YOUR ACCEPTANCE BY CLICKING THE ACCEPTANCE BOX. CERTAIN CAPITALIZED TERMS
ARE DEFINED IN SECTION 11.

LICENSE TERMS
…
DO YOU AGREE WITH THE TERMS OF THE LICENSE? (Y/N):Y


Choose BEA Home Directory
-------------------------
```

```
1- Specify a BEA Home
2- Choose a BEA Home

Enter a number: 1
Specify a BEA Home directory: /home/beadev/bea


Pre-Installation Summary
------------------------

Please Review the Following Before Continuing:

Product Name:
    SALT 1.1 for Tuxedo 8.1

Install Folder:
    /home/beadev/bea/tuxedo81

Link Folder:
    /home/beadev

Disk Space Information (for Installation Target):
    Required:  71,850,401 bytes
    Available: 19,094,890,496 bytes

PRESS <ENTER> TO CONTINUE: <ENTER>

Installing...
-------------

[===============|===============|===============|===============]
[---------------|---------------|---------------|---------------]

License Installation Choice
---------------------------

Would you like to install your license now?
```

```
    ->1- Yes
      2- No

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:1

License Selection Option
------------------------

Specify License File Location: /home/beadev/lic.txt|

License Update
--------------

Tuxedo license file /home/beadev/bea/tuxedo81/udataobj/lic.txt
has been updated to append SALT 1.1 for Tuxedo 8.1 license content!

PRESS <ENTER> TO CONTINUE: <ENTER>

Installation Complete
---------------------

Congratulations. SALT 1.1 for Tuxedo 8.1 has been successfully installed to:

    /home/beadev/bea/tuxedo81

PRESS <ENTER> TO EXIT THE INSTALLER: <ENTER>
```

Note: If you did not install the product license during installation, refer to "Post BEA SALT Installation" on page 5-1 for how to install the license as a post-installation task.

Uninstalling BEA SALT on UNIX Platforms in Console Mode

To uninstall BEA SALT on a UNIX platform:

1. Change to your uninstall directory using the following command:

```
> cd $TUXDIR/uninst_salt_1_1/Uninstall_SALT_1.1_for_Tuxedo_8.1
```

2. Start the uninstallation program with the following command:

   ```
   <bea/home> sh Uninstall_SALT_1.1_for_Tuxedo_8.1 -i console
   ```

   Listing 3-2 displays a BEA SALT component uninstallation.

Listing 3-2 UNIX Uninstallation Example

```
Preparing CONSOLE Uninstall...
===============================================================

About to uninstall...

SALT 1.1 for Tuxedo 8.1

This will remove features installed by InstallAnywhere.  It will not remove
files and folders created after the installation.

PRESS <ENTER> TO BEGIN THE UNINSTALL, OR 'QUIT' TO EXIT THE UNINSTALLER:
<ENTER>
===============================================================


Uninstalling...
---------------


...*
*
************************
************************
************************
************************
...*

Uninstall Complete
------------------
```

```
All items were successfully uninstalled.

PRESS <ENTER> TO EXIT THE UNINSTALLER: <ENTER>
```

See Also

- BEA SALT 1.1 Supported Platforms

CHAPTER 4

Installing BEA SALT Using Silent Installation

This section contains the following topics:

- Preparing for Silent Mode Installation
- Creating a Silent Mode Installation Template File
- Installing BEA SALT on Windows
- Installing BEA SALT on UNIX

Preparing for Silent Mode Installation

Before you install BEA SALT, complete the following tasks.

- Verify that enough disk space is available.
- Verify the login ID has proper permission for silent installation.
- Create a template file containing the required keyword settings.

Creating a Silent Mode Installation Template File

To create a template file for use in the silent installation process, you must use the following keywords:

Table 4-1 Template File Keywords

For This Keyword . . .	Enter the Following Value . . .
`INSTALLER_UI=` (UNIX and Windows)	The mode of installation. The default is `silent`; do not modify this value.
`BEAHOME=` (UNIX and Windows)	The full pathname of the BEA Home directory of your choice.
`USER_LIC_FILE=` (UNIX and Windows)	The full pathname of the BEA SALT 1.1 license file on your computer.
`OVERWRITE=yes` (UNIX and Windows)	If you are using silent mode installation over an existing version of BEA SALT, you must add this line to your template file. This is a case-sensitive keyword; the value must be lowercase. Any value other than "yes" will not overwrite the existing BEA SALT version and cancels the installation.

Sample Windows Template

```
INSTALLER_UI=silent
### BEA Home Directory ###
### NOTE: backslashes must be escaped. ###
BEAHOME=C:\\bea
### User License File ###
USER_LIC_FILE=d:\\r90\\BJ\\bld\\udataobj\\lic.txt
### Overwite Option###
OVERWRITE=yes
```

Sample UNIX Template

```
INSTALLER_UI=silent
### BEA Home Directory ###
### NOTE: backslashes must be escaped. ###
BEAHOME=/home/user/bea
### User License File ###
USER_LIC_FILE=/home/user/lic.txt
```

```
### Overwite Option###
OVERWRITE=yes
```

Installing BEA SALT on Windows

To invoke the silent installation procedure on a Windows system, execute the following steps:

- Create a file containing the required variables set to valid data.
- At a command line prompt go to the directory containing the installer executable.
- Enter the following command:

  `Installer_name.exe –f full_path\`*`installer.data`*

  In the previous command, *`full_path`* is the full path to the variable data file and *`installer.data`* is the data file containing the required variables.

An initial window appears indicating that the installer is running. The amount of time to install in silent mode is approximately the same as interactive mode.

Installing BEA SALT on UNIX

To invoke the silent mode installation procedure on a UNIX system, execute the following steps:

- Create a file containing the required variables set to valid data.
- Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to the platform data sheets for Tuxedo 8.1 or Tuxedo 9.1, or contact your System Administrator for the specific command for your system.
- At a command line prompt go to the directory containing the installer executable.
- Enter the following command:

  ```
  sh installer_name.bin –f full_path/installer.data
  ```

  In the previous command, *`full_path`* is the full path to the variable data file and *`installer.data`* is the data file containing the required variables.

Verifying Silent Mode Installation

You can verify successful silent mode installation by checking the `TUXDIR` directory to see if all the SALT binaries are listed.

If silent mode installation failed, check the following log files:

Windows:

```
%USERPROFILE%\Salt_silent_install.log
```

UNIX:

```
$HOME/Salt_silent_install.log
```

See Also

- BEA SALT 1.1 Supported Platforms

CHAPTER 5

Post BEA SALT Installation

This section contains the following topics:

- Manually Installing the BEA SALT License File
- Post-Installation BEA BEA SALT Directory Structure
- Installing BEA SALT Rolling Patches

Manually Installing the BEA SALT License File

If you did not install the BEA SALT product license file during installation, you must manually install it before using BEA SALT. If the BEA SALT license is not installed, you cannot boot the BEA SALT GWWS server. The following steps explain how to install the BEA SALT license file as a post-installation task.

UNIX License File Installation

To install your BEA SALT product license, follow these steps:

1. Identify your current Tuxedo license file (located at `$TUXDIR/udataobj/lic.txt`):

   ```
   cd $TUXDIR/udataobj
   ```

2. Make a backup copy of your Tuxedo license file:

   ```
   cp lic.txt lic.txt.bak
   ```

3. Check and verify the backup copy.

4. Append the contents of the BEA SALT license file to the Tuxedo license file:

   ```
   cat /dev/diskette/saltlic.txt >> lic.txt
   ```

Windows License File Installation

1. Identify your current TUXEDO license file (located at `%TUXDIR%\udataobj\lic.txt`):

   ```
   cd %TUXDIR%\udataobj
   ```

2. Make a backup copy of the Tuxedo license file:

   ```
   copy lic.txt lic.txt.bak
   ```

3. Check and verify the backup copy.

4. Append the contents of the BEA SALT license file to the Tuxedo license file:

   ```
   copy lic.txt + a:\saltlic.txt
   ```

Sample BEA SALT License Appended to Tuxedo License

Listing 5-1 depicts a sample BEA SALT license with the `[BEA SALT]` section is at the end of the sample.

Note: The digital signature is 64 characters long. Every character must match exactly or the license is not valid.

Listing 5-1 Sample BEA SALT License Appended to Tuxedo License

```
[BEA JOLT]
DEVELOPERS=1000000
EXPIRATION=2006-12-01
LICENSEE=BEA Evaluation Customer
SERIAL=......
TYPE=SDK
USERS=1000000
VERSION=8.1
SIGNATURE=......

[BEA TUXEDO]
DEVELOPERS=1000000
EXPIRATION=2006-12-01
```

```
LICENSEE=BEA Evaluation Customer
SERIAL=......
TYPE=SDK
USERS=1000000
VERSION=8.1
SIGNATURE=......

......

[BEA SALT]
EXPIRATION=2006-12-01
LICENSEE=BEA Evaluation Customer
SERIAL=......
TYPE=SDK
DEVELOPERS=1
VERSION=1.1
SIGNATURE=......
```

Post-Installation BEA BEA SALT Directory Structure

During the BEA SALT software installation, all BEA SALT related files are decompressed within the BEA Tuxedo `TUXDIR` directory.

Figure 5-1 shows all BEA SALT related files in a Windows post-installation directory structure. Figure 5-2 shows all BEA SALT related files in a UNIX post-installation directory structure.

Figure 5-1 Window Post-Installation Directory Structure

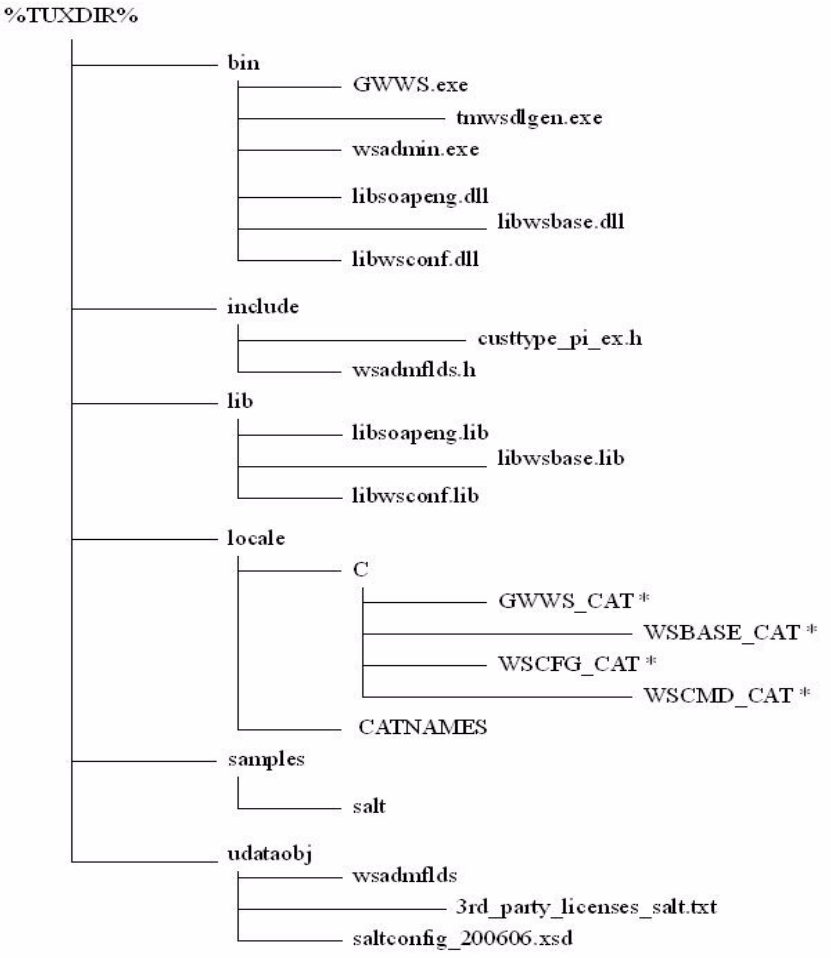
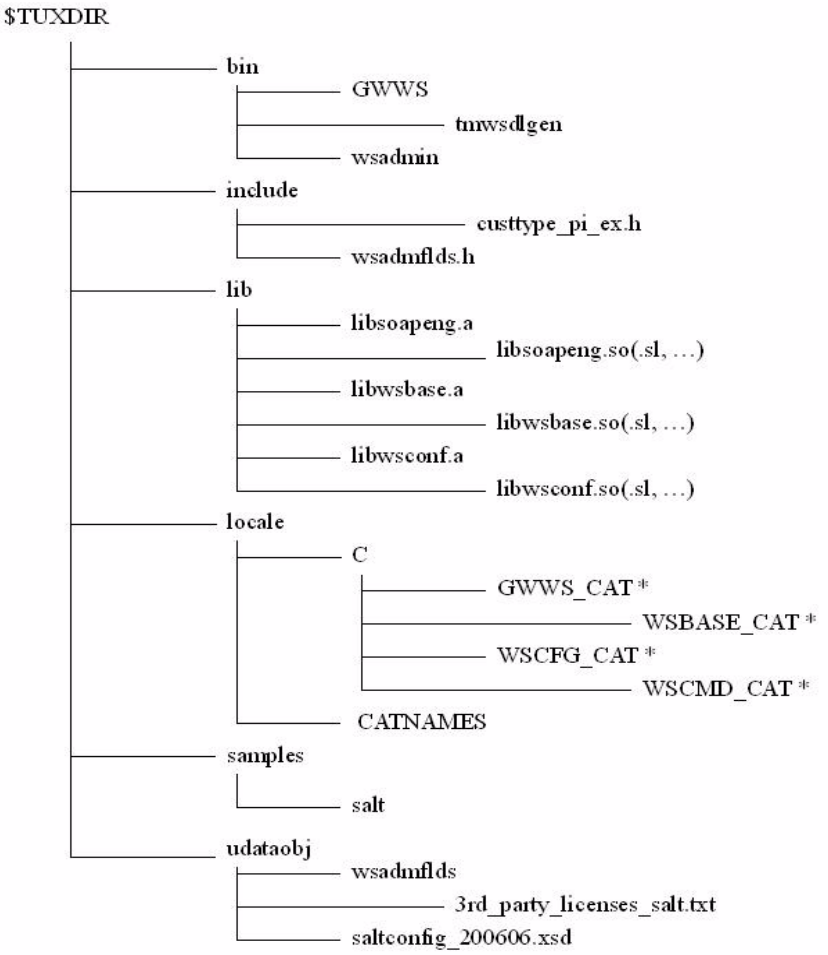


Figure 5-2 UNIX Post-Installation Directory Structure



Installing BEA SALT Rolling Patches

BEA SALT 1.1 uses rolling patches to maintain product fixes. A rolling patch installation is a complete BEA SALT package containing the most recent software fixes. Rolling patches can be installed as follows:

- A BEA SALT 1.1 rolling patch installation can be used if there is no previous BEA SALT installation on the target Tuxedo directory.
- A BEA SALT 1.1 rolling patch installation can be used to overwrite an existing BEA SALT GA installation.
- A higher-level BEA SALT 1.1 rolling patch installation can be used to overwrite an existing lower-level BEA SALT 1.1 rolling patch installation.

Rolling Back to A Previous Installation

To roll back a higher-level patched BEA SALT 1.1 installation to a lower one, you must do the following:

1. Un-install BEA SALT 1.1.
2. Re-install the lower-level SALT 1.1 rolling patch installation program.

See Also

- BEA SALT 1.1 Supported Platforms

APPENDIX A

BEA SALT 1.1 Supported Platforms

This section contains the BEA SALT 1.1 supported platform and end-of-life expectancy tables for Tuxedo 8.1 and 9.1 supported platforms.

Note: OS EOL dates may have changed since time of this publication. Check with vendor for current OS EOL dates.

EOL information for all BEA products can be found at:
http://support.bea.com/product_news/Product_Retirement_Calendar.xls

For more information, see BEA Tuxedo 8.1 Platform Data Sheets and BEA Tuxedo 9.1 Platform Data Sheets.

Table A-1 BEA SALT 1.1 Supported Tuxedo 8.1 Platforms

Platform	GA Port/ Post-GA Port & Certification	Release Date	OS EOL Date
HP-UX 11.23 Itanium (64-bit)	Post-GA	2006.08.23	2013.12.31
HP-UX 11.11 PA-RISC (32-bit)	Post-GA	2006.08.23	2013.12.31
HP-UX 11.23 PA-RISC (32-bit)	Post-GA	2006.08.23	2013.12.31
IBM AIX 5.2 (32-bit)	Post-GA	2006.08.23	2008.09.30
IBM AIX 5.3 (32-bit)	Post-GA	2006.08.23	TBD

Table A-1 BEA SALT 1.1 Supported Tuxedo 8.1 Platforms

Platform	GA Port/ Post-GA Port & Certification	Release Date	OS EOL Date
Microsoft Windows 2000 Advanced Server (32-bit) with Visual C++ 6.0	GA	2006.08.23	2010.07.13
SUN SPARC Solaris 8 (32-bit)	GA	2006.08.23	2009.03.31
SUN SPARC Solaris 9 (32-bit)	Post-GA	2006.08.23	TBD
SUN SPARC Solaris 10 (32-bit)	Post-GA	2006.08.23	TBD

Table A-2 BEA SALT 1.1 Supported Tuxedo 9.1 Platforms

Platform	GA Port/ Post-GA Port & Certification	Release Date	OS EOL Date
HP-UX 11i v2 (32-bit) on Itanium	GA	2006.08.23	2013.12.31
HP-UX 11i v2 (32-bit) on PA-RISC	GA	2006.08.23	2013.12.31
IBM AIX 5.3 (32-bit) on IBM PowerPC	GA	2006.08.23	TBD
Microsoft Windows 2003 Server (32-bit) on Intel with MS Visual Studio 2003 Professional Edition	GA	2006.08.23	TBD
Novell SUSE Linux Enterprise Server 9 (32-bit) on Pentium	GA	2006.12.31	2011.06.30
Novell SUSE Linux Enterprise Server 9 (64-bit) on 64-bit Xeon/AMD64	GA	2006.05.31	2011.06.30
Red Hat Linux Enterprise AS 4 (32-bit) on Pentium	Post-GA	2007.02.09	2012.02.29

Table A-2 BEA SALT 1.1 Supported Tuxedo 9.1 Platforms

Platform	GA Port/ Post-GA Port & Certification	Release Date	OS EOL Date
SUN SPARC Solaris 9 (32-bit)	GA	2006.08.23	TBD
SUN SPARC Solaris 10 (32-bit)	GA	2006.08.23	TBD