

Upgrade from TRENDS 6.0 SP1 Patch 1 to Patch 2



**Release TRENDS 6.0 SP1
Document Version 1**



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Icons in Body Text

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Additional icons are used in SAP Library documentation to help you identify different types of information at a glance. For more information, see *Help on Help → General Information Classes and Information Classes for Business Information Warehouse* on the first page of the any version of *SAP Library*.

Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example text	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

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Upgrade from TREX 6.0 SP1 Patch 1 to Patch 2

Purpose

This guide describes how to carry out an upgrade from Retrieval and Classification (TREX) 6.0 SP1 Patch 1 to Patch 2.

The guide is valid for all applications that use TREX (portal and non-portal environments). The target group of the guide consists of system administrators and consultants.

Implementation Considerations

A prerequisite for the upgrade is that you have already installed at least TREX 6.0 SP1 Patch 1. This corresponds to the TREX version 6.0.1.1.x. For information on the installed TREX version, see the file `<TREX_Directory>\doc\TREXVersion.html`.



Read the SAP Notes on installation before you begin. The SAP Notes contain current installation information and additions to the installation documentation.

Make sure that you use the current version of SAP Notes. You can find the SAP Notes in the SAP Service Marketplace (service.sap.com/notes) or in SAPNet → *R/3 Frontend*.

Relevant SAP Notes

SAP Note Number	Title
669453	TREX 6.0 SP1 Patch 2: Installation/Upgrade
565347	TREX 6.0: Central Note
631390	TREX 6.0: Additional Languages



Checklist for the Upgrade

Purpose

Use the table below as a checklist. Carry out the steps in the order specified.



If you have a distributed TREX installation, you install the patch on all TREX hosts.

Prerequisites

UNIX only: You know which user was created especially for TREX. By default, this user is `trexadm`.

Process Flow

With UNIX

✓	Action
	If the patch is delivered by means of the <i>SAP Service Marketplace</i> : Download the patch [Page 8] .
	Stop the TREX daemon [Page 9]
	Upgrade TREX [Page 10]
	Start the TREX daemon [Page 11] Only for a distributed TREX installation: Start the TREX daemon in the following order: <ol style="list-style-type: none">1. On the name servers2. On all other hosts
	Copy the vpd.properties file to the TREX directory [Page 15]

With Windows

✓	Action
	If the patch is delivered by means of the <i>SAP Service Marketplace</i> : Download the patch [Page 8] .
	Stop the TREX daemon [Page 12]
	Only portal environment: Stop the Web server [Page 12]
	Upgrade TREX [Page 13]
	Only portal environment: Update permissions for the TREX directory [Page 13]
	Start the TREX daemon [Page 14] Only for a distributed TREX installation: Start the TREX daemon in the following order: <ol style="list-style-type: none">1. On the name servers2. On all other hosts
	Only portal environment: Start the Web server [Page 14]
	Copy the vpd.properties file to the TREX directory [Page 15]



Downloading a Patch

Use

If the patch is delivered by means of the *SAP Service Marketplace*, download it from there.

Prerequisites

You have installed a Java 2 runtime environment (Java Virtual Machine VM) of version 1.3.1 or above. If this is not the case, you can download the Java VM from <http://java.sun.com>.

Procedure

1. Log on to the *SAP Service Marketplace* using the following URL:
`http://service.sap.com/patches`
2. Choose *<your_solution>* → *<your_release>* → *Binary Patches* → *TREX 6.0* → *<your_TREX_platform>*.

Example: *SAP Enterprise Portal* → *SAP Enterprise Portal 6.0* → *Binary Patches* → *TREX 6.0* → *WIN32*
3. A TREX patch consists of several zip files. Download the zip files and store them in a directory for temporary files.
4. Unpack the zip files. This results in the following files:
 - `TREXSplitter.jar`
 - `setup.jar.st<sequential_number>`
 - Depending on the platform, `setupW2k.exe`, `setupsolarisSparc.bin` or `setuphp11x.bin`
5. Open a prompt and navigate to the directory in which you stored the files.
6. Execute the following command:

```
java -jar TREXSplitter.jar -m
```

This command reassembles the files `setup.jar.st<sequential_number>` in the file `setup.jar`.



Upgrading on UNIX

Purpose

The following sections describe how to proceed on UNIX.



Stopping the TREX Daemon

Procedure

1. Log on to the installation host with the TREX user (by default `trexadm`).
2. Go to the TREX directory, and call up the `TREX` script using the `stop` option.

```
cd <TREX_Directory>
```

```
TREX stop
```



Do not stop the TREX daemon using `kill -9`, and do not stop the individual child processes that the daemon has started. Doing so can lead to the loss of data. Affected indexes can be irreparably damaged.

Result

Certain processing steps, for example, writing an index, cannot be interrupted. Such steps are completed before TREX is stopped. Therefore, it can take a certain amount of time to stop TREX.

With large indexes, it can take up to a few hours to stop TREX if lots of documents are currently being indexed.



Upgrading TREX

Prerequisites

You are logged on to the installation host with the TREX user (by default `trexadm`).



Do **not** execute the installation as **root**.

Procedure

1. Make sure that all of the TREX processes have stopped. In particular, check that the Web server (HTTP daemon) has stopped. You can use the following command to do this:

```
ps -fu <TREX_User> | grep httpd
```

2. Carry out one of the following steps:

- If you downloaded the patch from the *SAP Service Marketplace*, go to the directory in which the downloaded files are located. Make sure that the setup program can be executed:

HP-UX: `chmod +x setuphp11x.bin`

Sun Solaris: `chmod +x setupsolarissparc.bin`

Start the setup program.

HP-UX: `./setuphp11x.bin`

Sun Solaris: `./setupsolarissparc.bin`

- If you received the patch by means of a CD, mount the CD.



Mount the CD locally. We recommend that you **not** use the Network File System (NFS).

Start the setup program.

HP-UX: `<Path_on_installation_CD>/setuphp11x.bin`

Sun Solaris: `<Path_on_installation_CD>/setupsolarissparc.bin`



If the setup program tells you that there is not enough free disk space, start it with the following option:

```
-is:tempdir <Your_temporary_directory>
```

You have to have at least 800 MB available in your temporary directory. You can check the free disk space using `df -k`.



If the setup program tells you that it is not able to run in graphical mode, the `DISPLAY` variable is not set. Select one of the following options:

- Start the setup program with the option `-console`, so that it runs in text mode
or
- Set the `DISPLAY` variable.

Bourne Shell, Bourne Again Shell, Korn Shell:

```
DISPLAY=<hostname>:0.0; export DISPLAY
```

C Shell: `setenv DISPLAY <hostname>:0.0`

Start the setup program again.

3. Choose *Next*.

The setup program displays the directory in which the old TREX version is installed. Do not change this directory.

4. To start the installation, choose *Next*.

5. If the upgrade is successful, the setup program displays a message telling you so at the end of the upgrade. Choose *Finish*.



Starting the TREX Daemon

Prerequisites

You are logged on with the TREX user (by default `trexadm`).

Procedure

Go to the TREX directory, and call up the `TREX` script using the `start` option.

```
cd <TREX_Directory>
```

```
TREX start
```



Upgrading on Windows

Purpose

The following sections describe how to proceed on Windows.



Stopping the TREX Daemon

Procedure

Choose *Start* → *Programs* → *SAP TREX* → *TREX Service* → *Stop*.

Result

Certain processing steps, for example, writing an index, cannot be interrupted. Such steps are completed before the TREX daemon is stopped. This process can take a while to complete.

With large indexes, it can take up to a few hours to stop the TREX service if lots of documents are currently being indexed.



Only Portal Environment: Stopping the Web Server

Procedure

1. Choose *Start* → *Settings* → *Control Panel* → *Administrative Tools* → *Services*.
2. Use the secondary mouse button to click on *IIS Admin Service*.
3. Choose *Stop* from the context menu.



Upgrading TREX

Procedure

1. Log on to the installation host **with administrator permissions**.
2. Choose *Start → Settings → Control Panel → Regional Options → General* tab page. Make sure that the option *Western Europe and United States (Default)* is selected under *Language settings for the system*.
3. Carry out one of the following steps:
 - If you downloaded the patch from the *SAP Service Marketplace*, start the TREX setup program `setupW2k.exe` in the directory in which the downloaded files are located.
 - If you received the patch by means of a CD, start the TREX setup program `setupW2k.exe` from the CD in question.

The setup program dialog box appears.

4. To start the installation, choose *Next*.
5. If the upgrade is successful, the setup program displays a message telling you so at the end of the upgrade. Choose *Finish*.



If you need to restart the host, the setup program displays a message telling you so. Restart the host before restarting TREX.



Only Portal Environment: Updating Permissions for the TREX Directory

Use

You have to update the permissions for the TREX directory after the installation. The anonymous user entered on the Web server in the properties for the Web site `SAP_TREX` must have the permission Full Control for the contents of the TREX directory.

Background

When TREX was first installed, the Web site `SAP_TREX` was created on the Web server. This caused an anonymous user to be defined for anonymous access to the Web site. This anonymous user is called `IUSR_<name>` by default.

The anonymous user needs to have Full Control permission for the TREX directory. You ensured this using one of the following variants during the initial installation.

- Variant 1: You have determined the anonymous user entered in the properties for the Web site `SAP_TREX`. You gave this user Full Control access to the TREX directory and to all contained files and sub-directories.
- Variant 2: You changed the access permissions for the TREX directory so that all users have Full Control access.
- Variant 3: You changed the anonymous user in the properties for the Web site `SAP_TREX`. Instead of using the default setting `IUSR_<name>`, you have entered a local user that has Full Control access for the TREX directory.

When you update TREX, the permissions remain for the TREX directory itself, but not for the contents of the directory. You have to transfer the permissions to the directory content again.

Procedure

1. Use the secondary mouse button to click on the TREX directory. Choose *Properties* → *Security*.
2. Select the appropriate entry according to which of the variants above you chose.
 - Variant 1: Internet Guest Account (<hostname>\IUSR_<name>)
 - Variant 2: Everyone
 - Variant 3: The local user that you entered in the properties of the Web site SAP_TREX.
3. Make sure that the selected user/user group has the permission Full Control.
4. Choose *Advanced*.
5. Select the user/user group again.
6. Select *Allow inheritable permissions from parent to propagate to this object* and *Reset permissions on all child objects and enable propagation of inheritable permissions*.
7. Choose *OK* twice.



Starting the TREX Daemon

Prerequisites

If the TREX setup program told you to restart the host, you have done so.

Procedure

Choose *Start* → *Programs* → *SAP TREX* → *TREX Service* → *Start*.



Only Portal Environment: Starting the Web Server

Procedure

1. Choose *Start* → *Settings* → *Control Panel* → *Administrative Tools* → *Services*.
2. Select *IIS Admin Service* and choose *Start* from the context menu.

If the World Wide Web publishing service doesn't run even though you have started it, try to start it using a prompt.

1. Open a prompt.
2. Execute the following command:

```
net start w3svc
```



Copying vpd.properties to the TREX Directory

Use

The TREX setup program enters the TREX components installed into the file `vpd.properties`. Whenever you update TREX, the TREX setup program accesses the information in this file.

For security reasons, we recommend that you copy the file `vpd.properties` to the TREX directory **every time** you install or update TREX.

Procedure

You find the file `vpd.properties` in the following location:

- On Windows 2000, in the directory `C:\WINNT`
- On Windows Server 2003, in the directory `C:\Windows`
- On AIX, in the directory `/usr/lib/objrepos` or in the home directory of the TREX user.
- On HP-UX and Sun Solaris, in the home directory of the TREX user.

Copy the file to the TREX directory.

Result

If problems occur during the installation or upgrade of TREX, TREX support can use this copy for troubleshooting.



Other applications also enter information into the file `vpd.properties`. Therefore, do not copy the file in the TREX directory back to the original directory. If you do so, the functionality of other applications can be impaired. Only TREX support may use the copy in the TREX directory for troubleshooting.