

Installing Patches and Hotfixes for TRENDS 6.0 SP1 Patch 1



**Release TRENDS 6.0 SP1 Patch 1
Document Version 2**



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Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, titles of graphics and tables.
EXAMPLE TEXT	Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.
Example text	Screen output. This includes file and directory names and their paths, messages, source code, names of variables and parameters as well as names of installation, upgrade and database tools.
EXAMPLE TEXT	Keys on the keyboard, for example, function keys (such as F2) or the ENTER key.
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. Pointed brackets indicate that you replace these words and characters with appropriate entries.

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Installing Patches and Hotfixes for TREX 6.0 SP1

Purpose

This guide describes how to

- upgrade from TREX 6.0 SP1 to SP1 Patch 1
- install hotfixes for TREX 6.0 SP1 Patch 1

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

Implementation Considerations

This guide only describes the steps that you carry out for **every** patch or hotfix installation. Special features of particular patches or hotfixes are described in the SAP Note for the patch or hotfix in question.



Read the SAP Notes on the patch or hotfix in question before you start the installation. 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 (<http://service.sap.com/notes>) or in SAPNet → R/3 Frontend.

Relevant SAP Notes

SAP Note Number	Title
565347	TREX 6.0: Central Note



Checklist for Patch and Hotfix Installation

Purpose

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



If you have installed a distributed TREX system, install the patch or hotfix 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
	Download the patch or hotfix [Page 7]
	Stop the TREX daemon [Page 8]
	Upgrade TREX [Page 8]
	Start the TREX daemon [Page 9] Only portal environment: For a distributed TREX installation, start the TREX daemon in the following order: <ol style="list-style-type: none"> 1. On the name server 2. On all other hosts
	Copy the vpd.properties file to the TREX directory [Page 13]

With Windows

✓	Action
	Download the patch or hotfix [Page 7]
	Stop the TREX daemon [Page 10]
	Only portal environment: Stop the Web server [Page 10]
	Upgrade TREX [Page 11]
	Only portal environment: Update permissions for the TREX directory [Page 11]

✓	Action
	Start the TREX daemon [Page 12] Only portal environment: For a distributed TREX installation, start the TREX daemon in the following order: <ol style="list-style-type: none"> 1. On the name server 2. On all other hosts
	Only portal environment: Start the Web server [Page 12]
	Copy the vpd.properties file to the TREX directory [Page 13]



Downloading a Patch or Hotfix

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 5.0* → *Binary Patches* → *TREX 6.0* → *WIN32*
3. A TREX patch or hotfix 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 `setuph11x.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`. You can now begin the installation.



Patch or Hotfix Installation on UNIX

Purpose

The following sections describe how to proceed on UNIX.



Stopping the TREC Daemon

Procedure

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

```
cd <TREC_Directory>
```

```
TREC stop
```



Do not stop the TREC 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 TREC is stopped. Therefore, it can take a certain amount of time to stop TREC.

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



Upgrading TREC

Prerequisites

- You are logged on to the installation host with the TREC user (by default `trrexadm`).



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

- The `DISPLAY` variable is set for the TREC user.
- There is at least 800MB available in a temporary directory. The TREC setup program temporarily copies the installation files to the temporary directory and deletes them again when the installation is complete. The TREC setup program normally uses the temporary directory `/var/tmp`.

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. Go to the directory in which the downloaded files are located:
3. Make sure that the setup program can be executed:

```
Sun Solaris: chmod +x setupsolarisSparc.bin
```

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

4. Start the setup program.

```
Sun Solaris: ./setupsolarisSparc.bin
```

```
HP-UX: ./setuphp11x.bin
```



If you want to use a temporary directory other than `/var/tmp`, start the setup program as follows:

```
Sun Solaris: ./setupsolarisSparc.bin -is:tempdir  
<your_temporary_directory>
```

```
HP-UX: ./setuphp11x.bin -is:tempdir <your_temporary_directory>
```

You have to have at least 800 MB available in your temporary directory.

The setup program dialog box appears.

5. Choose *Next*.
The setup program displays the directory in which the old TREX version is installed. Do not change this directory.
6. To start the installation, choose *Next*.
7. 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
```



Patch or Hotfix Installation 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. Therefore, it can take a certain amount of time to stop the service.

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



Only Portal Environment: Stopping the Web Server

Procedure

1. Choose *Start* → *Settings* → *Control Panel*. Then choose *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. Navigate to the directory in which the downloaded files are located. Start the TREX setup program by executing
`<your_directory>:\setupW2k.exe`
3. 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 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 automatically determined a user that can be used to access the Web site anonymously. 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 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*. Then choose *Administrative Tools* → *Services*.
2. Use the secondary mouse button to click on *IIS Admin Service*.
3. Choose *Start* from the context menu.

If the Web server doesn't run even though you have started the service, start the Web server 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 upgrade 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 upgrade TREX.

Procedure

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

- On Windows, in the directory `C:\WINNT`
- On UNIX, in the home directory of the TREX user (by default `trexadm`)

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, never copy the file from the TREX directory to `C:\WINNT` or the home directory of the TREX user. 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.