



Trigo Product Center

Release Notes

Fix pack 4.1.0.13a

Note: Before using this information and the product it supports, read the information in “Notices” at the end of this document.

10 June 2006

This edition of this document applies to Trigo Product Center, version 4.1.0.13a, and to all subsequent releases and modifications until otherwise indicated in new editions.

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1. Overview

This document addresses customer requests, installation instructions, and notes for Trigo Product Center Fix Pack 4.1.0.13a on the following platform:

- Tomcat/Oracle

1.1 Fix pack requirements

Trigo Product Center 4.1.0.7 must be installed prior to the application of Fix Pack 4.1.0.13a. If working with a version prior to 4.1.0.7, it is required to upgrade to 4.1.0.7 first and then apply the 4.1.0.13a Fix Pack.

2. Product fixes

This section identifies issues that have been reported and resolved with the application of this fix pack.

Note: The Tracking Number column uses APAR, PMR, and Internal CR record numbers.

2.1 Fixes for 4.1.0.13a

| Tracking Number | Description |
|-----------------|--|
| JR23783 | Cannot import all items from a cvs file. |

2.2 Fixes for 4.1.0.12a

| Tracking Number | Description |
|-----------------|--|
| JR22156 | Cannot delete spec, even if not in use |
| JR21730 | Attribute Search choice should jump. Impact: No change in the UI. Grouped attributes are highlighted when searched for in tab view. |
| JR22158 | Empty paths displayed in left pane |
| JR22547 | Jobs failing after MTPing 4.1.0.10 in production |

2.3 Fixes for 4.1.0.11

| Tracking Number | Description |
|-----------------|---|
| JR21938 | Attribute not included in export |
| JR21924 | Attribute order changing from sub-spec to secondary spec |
| JR21688 | Inheritance path and source not displayed |
| JR22037 | Inheritance Rules lost when category tree is rolled back |
| JR21470 | Category search unsuccessful - if category name contains "+ " |
| JR22213 | IPG Performance comparison |
| JR22482 | Can't override the inherited value through scripting |

2.3.1 Override with Blank feature disabled

Problem: The change made in 4.1.0.9 was for attribute values to be trimmed before being saved. This change was made so that there is proper matching of attribute values (i.e. for lookup tables). However, a problem surfaces when blank spaces are used to override inheritance. The trim fix disables the overriding feature.

Solution: A simple fix will be made to keep the trim fix intact. Trimming is done only for attributes with non-blank characters. Meaning "A " and " A" will be trimmed to "A", but " " will remain as " ".

2.4 Fixes for 4.1.0.10

| Tracking Number | Description |
|-----------------|--|
| 18654 | Fixes & Optimization of duplicate sub spec script operations |
| NA | Back port of custom export/import tool – Refer to "Export/Import User Guide" for additional information. |

2.5 Fixes for 4.1.0.9

| Tracking Number | Description |
|-----------------|------------------------------------|
| JR21056 | Incorrect duplicate sub spec error |

| | |
|---------|--|
| JR21036 | Script parsing error (explicit final new line required) |
| JR20850 | getSpecNameList() does not work for SUB_SPEC parameter value |
| JR21055 | getSpecNameList() returns all spec names for CATEGORY_TREE_SPEC parameter, instead of just the category tree specs |
| JR20852 | Get inheritance rule by attribute full path returns no result |
| JR20981 | Lookup table keys don't get leading/trailing white space trimmed |
| JR21123 | Fix multi-occurrence ordering on import |
| JR21061 | Unexpected results when using the copy tool |
| JR20610 | Inheritance source goes to wrong place |
| JR21469 | Issue with non-persistent attributes |

2.6 Fixes for 4.1.0.8a

| Tracking Number | Description |
|-----------------|---|
| JR21238 | Workflow scheduler stuck on production Debug code has been added to catch and report certain Java exceptions that will be thrown if corruptions of workflow static data occur in the database. For example, if rows are deleted from the db tables containing workflow static data, while collaboration area that references the workflow still has items moving through it. Data corruption should never occur of course; hence these particular Java exceptions should actually never occur. |
| JR21206 | Using getFullHttpResponse(..) method to download zip files. |

2.7 Fixes for 4.1.0.8

| Tracking number | Description |
|-----------------|---|
| 01638 | Positional placement of new spec attributes. |
| 04359 | Rollback the changeover to the light Data Entry UI screens |
| 13524 | Ordering of locale attributes is not consistent across specs when new locales are added to the system |
| 01114 | Clicking on source of inheritance does not direct to the exact location of the attribute |
| 15080 | Cannot add subspec attribute through spec association screen if Secondary spec or category spec has only single node. |
| 15584 | View code not handling an invalid attribute properly |

| | |
|-------|---|
| 15634 | Extra line <code>#{RM} #{TOP}/etc/tomcat33/webapps/trigo</code> in <code>start_appsvr.sh</code> script removes tomcat working dir |
| 15743 | Duplicate sub spec validation error preventing save of category entries |
| 13405 | Redundant execution of queries |
| 15761 | ItemEdit widget exception when trying to display inherited value |

2.8 Fixes for 4.1.0.7

Refer to the release notes for maintenance releases 4.1.0.7-4.1.0.7c.

3. Known issues and limitations

The following table identifies known issues and limitations related to this release.

| | |
|---------|--|
| JR22268 | Inconsistent Attribute Values in system-default and user-defined views. Targeted to be addressed for 4.1.0.13 |
| JR21545 | Issue with displaying inheritance rules. Debug code was implemented in 4.1.0.9 to better analyze the issue and to aid in providing a solution for a future Fix Pack. |
| 18633 | When removing a subspec, an error occurs stating that a duplicate subspec has been added. The error should not occur as the subspec is removed. Workaround: Log out of WebSphere Product Center and log back in to clear the error message. |

4. Installation

This section provides general guidelines to apply a Fix Pack to Trigo Product Center. Some information may differ depending on the methods used for previous installations. Contact your support representative for Trigo Product Center with any installation issues.

4.1 Installation notes

Previously, it was necessary to perform a full installation for all files. The current installation process only updates the files that have changed to the current working version directory.

4.1.1 Removal of J2EE and JSSE

CR: P12188

Due to new company guidelines, J2EE and JSSE are no longer bundled as part of the Trigo installation file. This is not an issue for customers using WebSphere or WebLogic, only customers using Tomcat.

J2EE - Java 2 Platform, Enterprise Edition

J2EE is a Trigo prerequisite with the use of Tomcat; therefore the J2EE JAR file, which is part of “Version 1.3.1 of the Java 2 SDK, Enterprise Edition (“J2EE” SDK)”, will need to be downloaded by the customer from the Sun Microsystems website (http://java.sun.com/j2ee/sdk_1.3/). Follow the instructions on the website to download and install the entire J2EE SDK.

Note: The J2EE jar file is included in the J2EE SDK tar file.

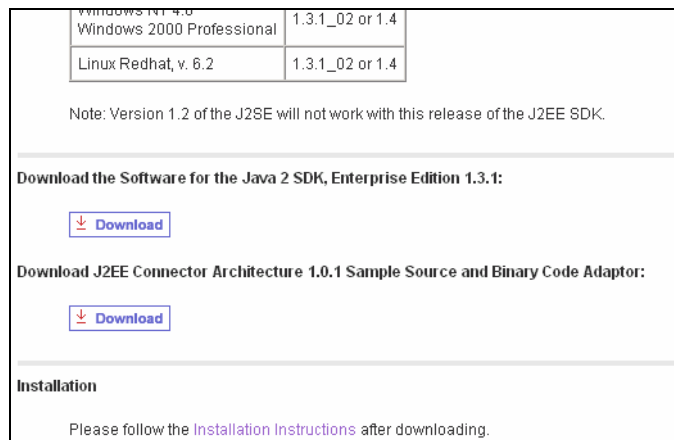


Figure 1 - Link to download J2EE SDK tar file

Once this tar file is downloaded, it is extracted to a location defined by the customer.

Since *j2ee.jar* is no longer included when a Trigo enterprise build is created and it is a prerequisite for Trigo Product Center, the following environment variable needs to be set to identify the location of the *j2ee.jar* file. The environment variable is defined in the *init_trigo_vars.sh* file.

File to edit:

```
$TOP/setup/init_trigo_vars.sh
```

Environment variable:

```
J2EE_JAR=(location of j2ee.jar file including the file name)
```

For Example:

```
J2EE_JAR=/opt/j2sdkee1.3.1/lib/j2ee.jar
```

Note: This step is not required for WebSphere or WebLogic.

JSSE - Java Secure Socket Extension

JSSE was being used to provide HTTPS post functionality. After careful review, it was determined that this functionality was not being used, therefore the functionality and the associated JAR file were removed.

4.2 Preparation

Before attempting to apply the latest Fix Pack to Trigo Product Center, the following preparation is recommended:

4.2.1 Stopping the whole application on the local machine

Complete the following steps to stop the Trigo Product Center instance:

1. Check the scheduler to make sure there are no critical jobs that need to be completed. If the queue is clear, kill the scheduler manually by running the script:

```
$TOP/bin/go/stop/stop_scheduler.sh
```

2. Abort the entire application by running the script:

```
$TOP/bin/go/abort_local.sh
```

All services running on the local machine are aborted. The RMI registry is aborted.

Note: Check to make sure all processes have stopped using the 'ps' command.

Kill any rogue "java" or "rmiregistry" processes that remain after shutting down the instance. Occasionally, it may take several attempts to kill all java processes.

4.2.2 Backup

- Create a full backup of the current Trigo Product Center directories before applying the Fix Pack. The Fix Pack will overwrite files that have changed. If any issues occur, the backup will allow a rollback to a previous version
- It is recommended to apply the Fix Pack to a test system to identify any issues before applying the Fix Pack to a production system
- Perform a full backup of the database before applying the Fix Pack to a production system

Note: Do not delete the old Trigo Product Center version until thorough testing of the new installation is completed.

4.2.3 Delete Tomcat working directory

For configurations using Tomcat, delete the Tomcat working directory using the following command:

```
rm -rf $TOP/etc/default/tomcat33/webapps/ccd
```

Once the working directory has been deleted, begin the application of the Fix Pack.

4.3 Apply Fix Pack

To apply the Fix Pack to Trigo Product Center, complete the following tasks:

- ❑ Unpack tar file
- ❑ Update configuration files
- ❑ Test installation

4.3.1 Unpack tar file

Purpose: To extract and update any new installation files into the current working directory

Note: GNU tar is needed to untar the Trigo Product Center files.

1. Copy the Trigo Product Center tar file to the user or temporary directory.

Example:

```
{HOME_OF_TRIGO}/tarballs
```

2. CD to \$TOP, the current working directory, and unpack the tar file:

Using GNU tar, the following command extracts and unzips the tar file:

Example:

Tar using an absolute path:

```
tar zxvf /home/trigo/tarballs/trigo_4107a_05_fixpak_tom_ora.tgz
```

4.3.2 Verify configuration files

Verify all configuration files required by the new installation and make any updates as needed. Refer to the backup copy of the configuration files for the previous installation if needed.

- ❑ austin.properties
- ❑ admin_properties.xml

- ❑ `init_trigo_vars.sh`
- ❑ Trigo license file

❖ **austin.properties**

On startup, the system will use this file to read in all system level parameters. This file includes settings for the database layer (connection parameters), directory settings, default character sets, thread-pooling parameters, and other settings, which are documented in the file.

File location: `$TOP/etc`

❖ **admin_properties.xml**

This file is used by the administrative utilities to configure clusters of the application.

File location: `$TOP/etc`

❖ **init_trigo_vars.sh**

The initialization file is the shell script that initializes the shell variables used by the system.

File location: `$TOP/setup`

❖ **Trigo License File**

The license file contains the license keys needed to use the Trigo application.

File location: `$TOP/etc/runtime`

4.4 Test installation

4.4.1 Start Trigo Product Center

To start the Trigo Product Center, execute the following script:

```
$TOP/bin/go/start_local.sh
```

The script starts all the services required to run Trigo Product Center.

Note: This process should take approximately 30-40 seconds, depending on the speed of the processor.

4.4.2 Check status

Run the `$TOP/bin/go/rmi_status.sh` script that was provided by Trigo Product Center and verify the following services have started correctly.

- `admin_<machine name>`
- `appsvr_<machine name>`
- `eventprocessor`
- `queuemanager`
- `scheduler`
- `workflow`

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