



Trigo Product Center

# Release Notes

*Fix pack 4.1.0.12a*

Note!

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

24 January 2006

This edition of this document applies to Trigo Product Center, version 4.1.0.12a, 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 4.1.0.12a 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 4.1.0.12a. 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 4.1.0.12a Fix Pack.

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## 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 4.1.0.12a

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
JR23051	Delta import scripts do not work after applying 4.1.0.12

### 2.2 Fixes for 4.1.0.11

Tracking Number	Description
JR21938	Attribute not included in export
JR21924	Attribute order changing from subspec 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

### 2.2.1 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 there is proper matching of attribute values (i.e. for lookup tables). However, a problem surfaces when blankspaces are used to override inheritance so the trim fix basically disabled 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 " ".

## 2.3 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.

## 2.4 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

## 2.5 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.

## 2.6 Fixes for 4.1.0.8

Tracking number	Description
01638	Positional placement of new spec attribute.
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

## 2.7 Fixes for 4.1.0.7

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

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## 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.

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## 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/](http://java.sun.com/j2ee/sdk_1.3/)). Follow the instructions on the web site 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 was 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 is aborted. The RMI registry is aborted.

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

Kill off any rogue "java" or "rmiregistry" processes that remain after shutting down the instance. Occasionally, it may take several attempts to kill off all java processes. Continue killing all java processes until they are all dead.

## 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 performing thorough testing with the new installation.

## 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

YOU HAVE SUCCESSFULLY APPLIED THE LATEST MAINTENACE RELEASE FOR TRIGO  
PRODUCT CENTER!

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General-use programming interfaces allow you to write application software that obtain the services of this program's tools.

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