Program Directory for
IBM Rational Team Concert for System z

1.0.0
Program Number 5724-V82

FMIDs HAET100

for Use with
z/OS Version 1 Release 8 or later

Document Date: July 28, 2008 @ 10:49 a.m.
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1.0 Introduction

This Program Directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of IBM Rational Team Concert for System z. This publication refers to IBM Rational Team Concert for System z as IBM Rational Team Concert for System z.

The Program Directory contains the following sections:

- 2.0, “Program Materials” on page 2 identifies the basic and optional program materials and documentation for IBM Rational Team Concert for System z.
- 3.0, “Program Support” on page 4 describes the IBM support available for IBM Rational Team Concert for System z.
- -- Heading 'SERVICE' unknown -- lists the APARs (program level) and PTFs (service level) incorporated into IBM Rational Team Concert for System z.
- 4.0, “Installation Requirements and Considerations” on page 5 identifies the resources and considerations required for installing and using IBM Rational Team Concert for System z.
- 5.0, “Installation Instructions” on page 14 provides detailed installation instructions for IBM Rational Team Concert for System z. It also describes the procedures for activating the functions of IBM Rational Team Concert for System z, or refers to appropriate publications.

1.1 IBM Rational Team Concert for System z Description

IBM Rational Team Concert for System z is a collaborative software delivery environment that empowers project teams to simplify, automate and govern software delivery. Automated data collection and reporting reduces administrative overhead and provides the real-time insight required to effectively govern software projects. Dynamic project provisioning enables day one productivity, while real-time collaboration helps significantly reduce scrap and rework. Rational Team Concert for System z extends the capabilities of the team with integrated work item, build, software configuration management (SCM) and the collaborative infrastructure of the Jazz team server hosted on z/OS

1.2 IBM Rational Team Concert for System z FMIDs

IBM Rational Team Concert for System z consists of the following FMIDs:

   HAET100
2.0 Program Materials

An IBM program is identified by a program number. The program number for IBM Rational Team Concert for System z is 5724-V82.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature numbers, and are required for the use of the product.

The program announcement material describes the features supported by IBM Rational Team Concert for System z. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is Compact Disc (CDs). It is installed using SMP/E, and is in SMP/E RELFILE format. See 5.0, "Installation Instructions" on page 14 for more information about how to install the program.

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for IBM Rational Team Concert for System z.

2.3 Program Source Materials

No program source materials or viewable program listings are provided for IBM Rational Team Concert for System z.

2.4 Publications Useful During Installation

The publications listed in Figure 1 may be useful during the installation of IBM Rational Team Concert for System z. To order copies, contact your IBM representative or visit the IBM Publications Center on the World Wide Web at:
http://www.ibm.com/shop/publications/order

<table>
<thead>
<tr>
<th>Publication Title</th>
<th>Form Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM SMP/E for z/OS User's Guide</td>
<td>SA22-7773</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS Commands</td>
<td>SA22-7771</td>
</tr>
<tr>
<td>Publication Title</td>
<td>Form Number</td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS Reference</td>
<td>SA22-7772</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS Messages, Codes, and Diagnosis</td>
<td>GA22-7770</td>
</tr>
</tbody>
</table>
3.0 Program Support

This section describes the IBM support available for IBM Rational Team Concert for System z.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will advise how you should submit any needed information or documentation.

Figure 2 identifies the component IDs (COMPID) for IBM Rational Team Concert for System z.

<table>
<thead>
<tr>
<th>FMID</th>
<th>COMPID</th>
<th>Component Name</th>
<th>RETAIN Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAET100</td>
<td>5724V8200</td>
<td>Rational Team Concert for System z</td>
<td>100</td>
</tr>
</tbody>
</table>
4.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating IBM Rational Team Concert for System z. The following terminology is used:

- Driving system: the system used to install the program.

  The program may have specific operating system or product level requirements for utilizing processes such as binder or assembly utilities during the install.

- Target system: the system on which the program is intended to run.

  The program may have specific product level requirements such as needing access to another product's library for link-edits that may directly affect the elements during the install or for its basic or enhanced operation. These requirements may be mandatory or optional.

In many cases, the same system can be used as both a driving system and a target system. However, you may want to set up a clone of your system to use as a target system by making a separate IPL-able copy of the running system. The clone should include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Some cases where two systems should be used include the following:

- When installing a new level of a product that is already installed, the new product will delete the old one. By installing onto a separate target system, you can test the new product while still keeping the old one in production.

- When installing a product that shares libraries or load modules with other products, the installation can disrupt the other products. Installing onto a test system or clone will allow you to assess these impacts without disrupting your production system.

4.1 Driving System Requirements

This section describes the environment of the driving system required to install IBM Rational Team Concert for System z.

4.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

4.1.2 Programming Requirements
4.2 Target System Requirements

This section describes the environment of the target system required to install and use IBM Rational Team Concert for System z.

IBM Rational Team Concert for System z installs in the z/OS (Z038) SREL.

4.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

4.2.2 Programming Requirements

4.2.2.1 Installation Requisites

An installation requisite is defined as a product that is required and **must** be present or one that is not required but **should** be present on the system for the successful installation of this product.

A mandatory installation requisite identifies products that are required, without exception, or this product will **not install** on your system. This includes products specified as PREs or REQs.

A conditional installation requisite identifies products that are **not** required for successful install but may resolve such things as certain warning messages at installation time. They include products that are specified as IF REqs.

IBM Rational Team Concert for System z has no conditional installation requisites.
4.2.2.2 Operational Requisites

Refer to the IBM Rational Team Concert for System z Configuration Guide for the operational requirements.

4.2.3 DASD Storage Requirements

IBM Rational Team Concert for System z libraries can reside on all supported DASD types.

Figure 5 lists the total space required for each type of library.

<table>
<thead>
<tr>
<th>Library Type</th>
<th>Total Space Required in 3390 Trks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>12 Tracks</td>
</tr>
<tr>
<td>Distribution</td>
<td>3000 Tracks</td>
</tr>
<tr>
<td>HFS or zFS</td>
<td>3000 Tracks</td>
</tr>
<tr>
<td>Non-SMP/E</td>
<td>3000 Tracks</td>
</tr>
<tr>
<td>Temporary</td>
<td></td>
</tr>
</tbody>
</table>

Notes:

1. IBM recommends use of system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, IBM recommends a block size of 32760, which is the most efficient from a performance and DASD utilization perspective.

2. Abbreviations used for the data set type are:

   U  Unique data set, allocated by this product and used only by this product. To determine the correct storage needed for this data set, this table provides all required information; no other tables (or Program Directories) need to be referenced for the data set size.

   S  Shared data set, allocated by this product and used by this product and others. To determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other Program Directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

   E  Existing shared data set, used by this product and others. This data set is NOT allocated by this product. To determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). This existing data set must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old one and reclaim the space used by the old release and any service that had been installed. You can determine whether or not these libraries have enough space by deleting
the old release with a dummy function, compressing the libraries, and comparing the space
requirements with the free space in the libraries.

For more information on the names and sizes of the required data sets, please refer to 5.1.12,
"Allocate SMP/E Target and Distribution Libraries" on page 19.

3. Abbreviations used for the HFS or zFS Path type are:

   N  New path, created by this product.
   X  Path created by this product, but may already exist from a previous release.
   P  Previously existing path, created by another product.

4. All target and distribution libraries listed have the following attributes:
   - The default name of the data set may be changed.
   - The default block size of the data set may be changed.
   - The data set may be merged with another data set that has equivalent characteristics.
   - The data set may be either a PDS or a PDSE.

5. All target libraries listed have the following attributes:
   - The data set may be SMS-managed.
   - It is not required for the data set to be SMS-managed.
   - It is not required for the data set to reside on the IPL volume.
   - The values in the "Member Type" column are not necessarily the actual SMP/E element types
     identified in the SMPMCS.

6. All target libraries listed which contain load modules have the following attributes:
   - The data set may be in the LPA.
   - It is not required for the data set to be in the LPA.
   - The data set may be in the LNKLST.
   - It is not required for the data set to be APF-authorized.

The following figures describe the target and distribution libraries and HFS or zFS paths required to install
IBM Rational Team Concert for System z. The storage requirements of IBM Rational Team Concert for
System z must be added to the storage required by other programs having data in the same library or
path.

Note: The data in these tables should be used when determining which libraries can be merged into
common data sets. In addition, since some ALIAS names may not be unique, ensure that no naming
conflicts will be introduced before merging libraries.

<table>
<thead>
<tr>
<th>Library</th>
<th>Member Type</th>
<th>Target Volume</th>
<th>R</th>
<th>L</th>
<th>No. Trks</th>
<th>No. Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBLZJCL</td>
<td>Installation JCL</td>
<td>ANY</td>
<td>U</td>
<td>PDS/E</td>
<td>FB</td>
<td>80</td>
</tr>
</tbody>
</table>

Figure 6 (Page 1 of 2). Storage Requirements for IBM Rational Team Concert for System z Target Libraries
<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>Member Type</th>
<th>Member</th>
<th>Target</th>
<th>R E L T Y O P E</th>
<th>No. of Trks</th>
<th>No. of Blks</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBLZSAMP</td>
<td>Samples</td>
<td>ANY</td>
<td>PDS/E</td>
<td>FB</td>
<td>80</td>
<td>n/a</td>
<td></td>
</tr>
</tbody>
</table>

**Figure 7 (Page 1 of 4). IBM Rational Team Concert for System z HFS or zFS Paths**

<table>
<thead>
<tr>
<th>DDNAME</th>
<th>Type</th>
<th>Path Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBLZH001</td>
<td>N</td>
<td>/usr/lpp/jazz/IBM/</td>
</tr>
<tr>
<td>SBLZH002</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/IBM/</td>
</tr>
<tr>
<td>SBLZH003</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/IBM/</td>
</tr>
<tr>
<td>SBLZH004</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/about_files/IBM/</td>
</tr>
<tr>
<td>SBLZH005</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/configuration/IBM/</td>
</tr>
<tr>
<td>SBLZH006</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/IBM/</td>
</tr>
<tr>
<td>SBLZH007</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.ant_1.7.0.v200706080842/IBM/</td>
</tr>
<tr>
<td>SBLZH008</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.ant_1.7.0.v200706080842/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH009</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.ant_1.7.0.v200706080842/about_files/IBM/</td>
</tr>
<tr>
<td>SBLZH010</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.ant_1.7.0.v200706080842/bin/IBM/</td>
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<tr>
<td>SBLZH011</td>
<td>N</td>
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<td>SBLZH012</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.ant_1.7.0.v200706080842/etc/checkstyle/IBM/</td>
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<tr>
<td>SBLZH013</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.commons.codec_1.3.0/META-INF/IBM/</td>
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<tr>
<td>SBLZH014</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.commons.codec_1.3.0/lib/IBM/</td>
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<tr>
<td>SBLZH015</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plug ins/org.apache.commons.codec_1.3.0/lib/IBM/</td>
</tr>
</tbody>
</table>

**Installation Requirements and Considerations**
<table>
<thead>
<tr>
<th>DDNAME</th>
<th>TYPE</th>
<th>Path Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBLZH016</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.apache.commons.httpclient_3.0.0/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH017</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.apache.commons.httpclient_3.0.0/lib/IBM/</td>
</tr>
<tr>
<td>SBLZH018</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.apache.commons.logging_1.0.5.jazz/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH019</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.apache.commons.logging_1.0.5.jazz/lib/IBM/</td>
</tr>
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<td>SBLZH020</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.apache.log4j_1.2.12/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH021</td>
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<td>SBLZH022</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.eclipse.core.runtime.compatibility.Registry_3.2.100.v20070316/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH023</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.eclipse.core.runtime.compatibility.Registry_3.2.100.v20070316/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH024</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.eclipse.equinox.launcher.gtk.linux.x86_1.0</td>
</tr>
<tr>
<td>SBLZH025</td>
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<td>SBLZH026</td>
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<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.eclipse.equinox.launcher.win32.win32.x86_1</td>
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<td>SBLZH027</td>
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<td>/usr/lpp/jazz/buildsystem/buildengine/eclipse/plugins/org.eclipse.equinox.launcher.win32.win32.x86_1</td>
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<tr>
<td>SBLZH028</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildtoolkit/IBM/</td>
</tr>
<tr>
<td>SBLZH029</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/buildtoolkit/examples/compile-and-test/IBM/</td>
</tr>
<tr>
<td>SBLZH030</td>
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<td>/usr/lpp/jazz/buildsystem/buildtoolkit/examples/compile-and-test/src/IBM/</td>
</tr>
<tr>
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<td>/usr/lpp/jazz/buildsystem/buildtoolkit/examples/standalone/IBM/</td>
</tr>
<tr>
<td>SBLZH032</td>
<td>N</td>
<td>/usr/lpp/jazz/buildsystem/early_release_license/IBM/</td>
</tr>
<tr>
<td>SBLZH033</td>
<td>N</td>
<td>/usr/lpp/jazz/early_release_license/IBM/</td>
</tr>
<tr>
<td>SBLZH034</td>
<td>N</td>
<td>/usr/lpp/jazz/license-update-site/IBM/</td>
</tr>
<tr>
<td>SBLZH035</td>
<td>N</td>
<td>/usr/lpp/jazz/license-update-site/features/IBM/</td>
</tr>
<tr>
<td>SBLZH036</td>
<td>N</td>
<td>/usr/lpp/jazz/license-update-site/plugins/IBM/</td>
</tr>
<tr>
<td>SBLZH037</td>
<td>N</td>
<td>/usr/lpp/jazz/provision_profiles/IBM/</td>
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<tr>
<td>DDNAME</td>
<td>TYPE</td>
<td>Path Name</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SBLZH038</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/IBM/</td>
</tr>
<tr>
<td>SBLZH039</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/about_files/IBM/</td>
</tr>
<tr>
<td>SBLZH040</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/configuration/IBM/</td>
</tr>
<tr>
<td>SBLZH041</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/IBM/</td>
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<tr>
<td>SBLZH042</td>
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<td>/usr/lpp/jazz/repotools/eclipse/plugins/com.ibm.te\am.repository.jdbcdriver.db2_0.6.0.I200805292304/IBM/</td>
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<tr>
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<tr>
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</tr>
<tr>
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<td>N</td>
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<tr>
<td>SBLZH049</td>
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</tr>
<tr>
<td>SBLZH050</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/com.ibm.te\am.repository.service_0.6.0.I200806181642/sat/IBM/</td>
</tr>
<tr>
<td>SBLZH051</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/com.ibm.te\am.repository.service_0.6.0.I200806181642/schema/IBM/</td>
</tr>
<tr>
<td>SBLZH052</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/com.ibm.te\am.repotools.rcp_0.6.0.I200806121809/IBM/</td>
</tr>
<tr>
<td>SBLZH053</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/com.ibm.te\am.repotools.rcp_0.6.0.I200806121809/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH054</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/javmail _1.0.0/IBM/</td>
</tr>
<tr>
<td>SBLZH055</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/javmail _1.0.0/META-INF/IBM/</td>
</tr>
<tr>
<td>SBLZH056</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH057</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH058</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH059</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>DDNAME</td>
<td>TYPE</td>
<td>Path Name</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SBLZH060</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH061</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH062</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH063</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH064</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH065</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH066</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH067</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.apache</td>
</tr>
<tr>
<td>SBLZH068</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.eclipse</td>
</tr>
<tr>
<td>SBLZH069</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.eclipse</td>
</tr>
<tr>
<td>SBLZH070</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.eclipse</td>
</tr>
<tr>
<td>SBLZH071</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.mozilla</td>
</tr>
<tr>
<td>SBLZH072</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.mozilla</td>
</tr>
<tr>
<td>SBLZH073</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.mozilla</td>
</tr>
<tr>
<td>SBLZH074</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.mozilla</td>
</tr>
<tr>
<td>SBLZH075</td>
<td>N</td>
<td>/usr/lpp/jazz/repotools/eclipse/plugins/org.mozilla</td>
</tr>
<tr>
<td>SBLZH076</td>
<td>N</td>
<td>/usr/lpp/jazz/update-site/IBM/</td>
</tr>
<tr>
<td>SBLZH077</td>
<td>N</td>
<td>/usr/lpp/jazz/update-site/features/IBM/</td>
</tr>
<tr>
<td>SBLZH078</td>
<td>N</td>
<td>/usr/lpp/jazz/update-site/plugins/IBM/</td>
</tr>
</tbody>
</table>
The following figures list data sets that are not used by SMP/E, but are required for IBM Rational Team Concert for System z to execute.

### Figure 8. Storage Requirements for IBM Rational Team Concert for System z Distribution Libraries

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>T</th>
<th>R</th>
<th>L</th>
<th>No. of Trks</th>
<th>No. of Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABLZHFS</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>6</td>
</tr>
<tr>
<td>ABLZJCL</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>3</td>
</tr>
<tr>
<td>ABLZSAMP</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>4</td>
</tr>
</tbody>
</table>

### Figure 9. Storage Requirements for IBM Rational Team Concert for System z Non-SMP/E Data Sets

<table>
<thead>
<tr>
<th>Data Set Name</th>
<th>T</th>
<th>R</th>
<th>L</th>
<th>No. of Trks</th>
<th>No. of Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>hlq.HAET100.F1.BIN</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>6</td>
</tr>
<tr>
<td>hlq.HAET100.F2.BIN</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>3</td>
</tr>
<tr>
<td>hlq.HAET100.F3.BIN</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>4</td>
</tr>
<tr>
<td>hlq.HAET100.SAMPLE.JCL.BIN</td>
<td>U</td>
<td>PS</td>
<td>FB</td>
<td>80</td>
<td>4</td>
</tr>
</tbody>
</table>

### 4.3 FMIDs Deleted

Installing IBM Rational Team Concert for System z may result in the deletion of other FMIDs. To see what FMIDs will be deleted, examine the ++VER statement in the product’s SMPMCS.

If you do not wish to delete these FMIDs at this time, you must install IBM Rational Team Concert for System z into separate SMP/E target and distribution zones.

**Note:** These FMIDs will not automatically be deleted from the Global Zone. Consult the SMP/E manuals for instructions on how to do this.

### 4.4 Special Considerations

IBM Rational Team Concert for System z has no special considerations for the target system.
5.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of IBM Rational Team Concert for System z.

Please note the following:

- If you want to install IBM Rational Team Concert for System z into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets. A sample job BLZ1SMPE is provided that you may use to create a new SMP/E environment.

- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.

- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

5.1 Installing IBM Rational Team Concert for System z

5.1.1 SMP/E Considerations for Installing IBM Rational Team Concert for System z

This release of IBM Rational Team Concert for System z is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

5.1.2 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 10. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

<table>
<thead>
<tr>
<th>SUB-ENTRY</th>
<th>Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSPACE</td>
<td>(600,200,100)</td>
<td>Space allocation</td>
</tr>
<tr>
<td>PEMAX</td>
<td>SMP/E Default</td>
<td>IBM recommends using the SMP/E default for PEMAX.</td>
</tr>
</tbody>
</table>
5.1.3 Overview of the installation steps

Overview of steps required to install IBM Rational Team Concert for System z.

1. Upload sample JCL from the client
2. Expand the sample jcl file by using the TSO Receive command
3. Sample Jobs
4. Run the job to allocate sequential data sets to FTP into
5. Upload the compressed RELFILEs and SMPMCS from the client
6. Expand the RELFILEs by using the TSO Receive command
7. Create SMP/E Environment (optional)
8. Perform SMP/E RECEIVE
9. Allocate SMP/E target and distribution libraries
10. Allocate HFS paths
11. Create DDDEF entries
12. Perform SMP/E APPLY
13. Perform SMP/E ACCEPT

5.1.4 Upload Sample JCL from the client

On the client, there is a file containing sample installation JCL. This sample JCL contains a member that will allocate the sequential data sets on z/OS for the compressed RELFILEs and SMPMCS contained on the client and other members to perform the SMP/E processing. Perform the following steps to upload it from the client to z/OS:

1. Allocate a data set on z/OS to use as the target of the upload. You can do this by creating a data set with the characteristics from the job below or by submitting the job below. If you choose to submit the following job you need to make the following updates:
   a. Add a job card and modify the parameters to meet your site’s requirements before submitting.
   b. hlq will be the high level qualifier you choose to use for this data set.
   c. (Optionally) Replace vvvvvv with the volser you choose to use for this data set.
2. Upload the sample jcl file in binary format from the client to this z/OS data set. If the client is attached to a Windows NT system, you can use FTP from a command prompt to upload the file. In the sample dialog shown below, commands or other information entered by the user are in bold, and the following values are assumed:

<table>
<thead>
<tr>
<th>User enters:</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>mvsaddr</td>
<td>TCP/IP address or hostname of the z/OS system</td>
</tr>
<tr>
<td>tsouid</td>
<td>Your TSO user ID</td>
</tr>
<tr>
<td>tsopw</td>
<td>Your TSO password</td>
</tr>
<tr>
<td>d:</td>
<td>Your client drive</td>
</tr>
<tr>
<td>hlq</td>
<td>High-level qualifier you used for the data set you allocated in the job above</td>
</tr>
</tbody>
</table>

C:\>ftp mvsaddr
Connected to mvsaddr.
220 Connection will close if idle for more than 60 minutes.
User (mvsaddr:(none)): tsouid
331 Send password please.
Password: tsopw
230 tsouid is logged on. Working directory is "tsouid."

ftp> cd ..
250 "" is the working directory name prefix.

ftp> cd hlq
250 "hlq." is the working directory name prefix.

ftp> binary
200 Representation type is Image
ftp> put d:\HAET100\IBM.HAET100.SAMPLE.JCL.BIN
200 Port request OK.
125 Storing data set hlq.IBM.HAET100.SAMPLE.JCL.BIN
250 Transfer completed successfully.
91120 bytes sent in 0.44 seconds

ftp> quit
221 Quit command received. Goodbye.

5.1.5 Expand the sample jcl file by using the TSO Receive command:
RECEIVE INDA('hlq.IBM.HAET100.SAMPLE.JCL.BIN')

When prompted on the TSO receive command, use the appropriate DSNAME as listed below:
DS('hlq.IBM.HAET100.SAMPLE.JCL')

5.1.6 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install IBM Rational Team Concert for System z. The RELFILEs will be prefixed with the high level qualifier ("hlq" in table below) used when the files are "received". The jobs are contained in the sample JCL data set hlq.HAET100.SAMPLE.JCL that was uploaded.

<table>
<thead>
<tr>
<th>Job Name</th>
<th>Job Type</th>
<th>Description</th>
<th>RELFILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLZSEQAL</td>
<td>SMP/E</td>
<td>Sample job to allocate sequential data sets for FTPing the product data sets into</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ1SMPE</td>
<td>SMP/E</td>
<td>Sample job to create an SMP/E environment (optional)</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ2RCVE</td>
<td>RECEIVE</td>
<td>Sample SMP/E RECEIVE job</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ3ALOC</td>
<td>ALLOCATE</td>
<td>Sample job to allocate target and distribution libraries</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ4MKD</td>
<td>MKDIR</td>
<td>Sample job to invoke the supplied BLZMKDIR EXEC to allocate HFS paths</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ5DDEF</td>
<td>DDDEF</td>
<td>Sample job to define SMP/E DDDEFs</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ6APLY</td>
<td>APPLY</td>
<td>Sample SMP/E APPLY job</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
<tr>
<td>BLZ7ACPT</td>
<td>ACCEPT</td>
<td>Sample SMP/E ACCEPT job</td>
<td>hlq.IBM.HAET100.F1</td>
</tr>
</tbody>
</table>
5.1.7 Allocate sequential data sets to FTP into

Edit and submit sample job BLZSEQAL in the hlq.IBM.HAET100.SAMPLE.JCL data set to allocate data sets on z/OS to be used during the upload process. Use the instructions in the sample job for information on changes required.

Expected Return Codes and Messages: RC=0

5.1.8 Upload the compressed RELFILES and SMPMCS from the client

1. Upload the files in binary format from the client to the z/OS data set. If the client is a Windows NT system, you can use FTP from a command prompt to upload the files:

C:\>ftp mvsaddr
Connected to mvsaddr.
220 Connection will close if idle for more than 60 minutes.

User (mvsaddr:(none)): tsouid

331 Send password please.
Password: tsopw
230 tsouid is logged on. Working directory is "tsouid."

ftp> cd ..
250 " " is the working directory name prefix.

ftp> cd hlq
250 "hlq." is the working directory name prefix.

ftp> binary
200 Representation type is Image

ftp> prompt
Interactive mode Off.

ftp> mput d:\HAET100\IBM.HAET100.F*
200 Port request OK.
125 Storing data set hlq.IBM.HAET100.F1.BIN
250 Transfer completed successfully.
164240 bytes sent in 0.49 seconds
200 Port request OK.
125 Storing data set hlq.IBM.HAET100.F2.BIN
250 Transfer completed successfully.
63120 bytes sent in .23 seconds
200 Port request OK.
125 Storing data set hlq.IBM.HAET100.F3.BIN
250 Transfer completed successfully.
140385680 bytes sent in 5.59 seconds
ftp> put d:\HAET100\IBM.HAET100.SMPMCS
200 Port request OK.
125 Storing data set hlq.IBM.HAET100.SMPMCS
250 Transfer completed successfully.
138800 bytes sent in .33 seconds

ftp> quit
221 Quit command received. Goodbye.

5.1.9 Expand the RELFILEs by using the TSO Receive command

RECEIVE INDA('hlq.IBM.HAET100.F1.BIN')
RECEIVE INDA('hlq.IBM.HAET100.F2.BIN')
RECEIVE INDA('hlq.IBM.HAET100.F3.BIN')

When prompted on the TSO receive commands, use the appropriate DSNAME from the list below:

DS('hlq.IBM.HAET100.F1')
DS('hlq.IBM.HAET100.F2')
DS('hlq.IBM.HAET100.F3')

5.1.10 Create SMP/E Environment (optional)

If you are using an existing CSI, do not run the sample job BLZ1SMPE.

If you choose to create a new SMP/E environment for this install a sample job is provided or you may choose to use your own JCL. If you choose to use the sample job provided, edit and submit BLZ1SMPE. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: RC=0

5.1.11 Perform SMP/E RECEIVE

Edit and submit sample job BLZ2RCVE to perform the SMP/E RECEIVE for IBM Rational Team Concert for System z. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: RC=0

5.1.12 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job BLZ3ALOC to allocate the SMP/E target and distribution libraries for IBM Rational Team Concert for System z. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: RC=0
5.1.13 Allocate HFS Paths

Edit and submit sample job BLZ4MKD to allocate the HFS paths for IBM Rational Team Concert for System z. Consult the instructions in the sample job for more information.

If you plan to create a new HFS for this product, you should consider updating the BPXPRMxx PARMLIB member to mount the new HFS at IPL time. This may be helpful if an IPL occurs before the installation is complete.

**Expected Return Codes and Messages:** RC=0

5.1.14 Create DDDEF Entries

Edit and submit sample job BLZ5DDEF to create DDDEF entries for the SMP/E target and distribution libraries for IBM Rational Team Concert for System z. Consult the instructions in the sample job for more information.

**Expected Return Codes and Messages:** RC=0

5.1.15 Perform SMP/E APPLY

Edit and submit sample job BLZ6APLY to perform an SMP/E APPLY CHECK for IBM Rational Team Concert for System z. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do not bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Enhanced HOLDDATA introduced ERROR HOLDs against FMIDs for HIPER APARs. Prior to installing, you should ensure you have the latest Enhanced HOLDDATA (available at url http://service.software.ibm.com/holddata/390holddata.html). The FMID(s) should be installed regardless of the status of unresolved HIPERs, however, the software should not be deployed until the unresolved HIPERs have been analyzed to determine applicability.

There are two methods to complete an FMID installation where ++HOLDs for HIPERs exist for the FMID(s) being installed:

1. To ensure that all critical service is installed with the FMID(s), add the SOURCEIDs of PRP, and HIPER to the APPLY command. There may be PE or HIPER APARs that do not have resolving PTFs available yet. You need to analyze the symptom flags to determine if you want to BYPASS the specific ERROR HOLDs and continue the FMID installation.

   APPLY S(fmid,...) FORFMID(fmid,...) SOURCEID(PRPR,PRP...) GROUPEXTEND
This method requires more initial research, but will provide resolution for all HIPERs that have fixes available and are not in a PE chain. There may still be unresolved PEs or HIPERs which will require the use of BYPASS.

2. To install the FMID(s) as it would have been installed prior to Enhanced HOLDDATA, you can add a BYPASS(HOLDCLASS(HIPER)) operand to the APPLY command. This will allow the FMID to be installed even though there are HIPER ERROR HOLDs against it. Note that not all ERROR HOLDs were bypassed, only the HIPER ERROR HOLDs. After the FMID(s) are installed, the SMP/E REPORT ERRSYSMODS command should be run to identify any missing HIPER maintenance.

   APPLY S(fmid,fmid,...)  
   BYPASS(HOLDCLASS(HIPER))  
   other parameters documented in the program directory...

   This method is the quicker of the two, but requires subsequent review of the REPORT ERRSYSMODS to investigate any HIPERs.

If you bypass any HOLDs during the installation of the FMID(s) because fixing PTFs were not yet available you can use the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink to be notified when the fixing PTF is available.

Once you have taken any actions indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

**Note:** The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

**Expected Return Codes and Messages from APPLY CHECK:** RC=0

**Expected Return Codes and Messages from APPLY:** RC=0

### 5.1.16 Perform SMP/E ACCEPT

Edit and submit sample job BLZ7ACPT to perform an SMP/E ACCEPT CHECK for IBM Rational Team Concert for System z. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do not bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

Once you have taken any actions indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.
Note: The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from ACCEPT CHECK: RC=0

If PTFs containing replacement modules are being ACCEPTed, SMP/E ACCEPT processing will linkedit/bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder may issue messages documenting unresolved external references, resulting in a return code of 4 from the ACCEPT step. These messages can be ignored, because the distribution libraries are not executable and the unresolved external references will not affect the executable system libraries.

Expected Return Codes and Messages from ACCEPT: RC=0

5.1.17 Run REPORT CROSSZONE

The SMP/E REPORT CROSSZONE command will identify requisites defined for products that have been installed in separate zones. This command will also create APPLY and ACCEPT commands in the SMPPUNCH data set that you can use to install those cross-zone requisites it identifies.

After you have installed IBM Rational Team Concert for System z, it is recommended that you run REPORT CROSSZONE against the new or updated target and distribution zones. REPORT CROSSZONE requires a global zone with ZONEINDEX entries describing all the target and distribution libraries to be reported on.

For more information on REPORT CROSSZONE, see the SMP/E manuals.

5.2 Activating IBM Rational Team Concert for System z

5.2.1 Refer to IBM Rational Team Concert for System z Configuration Guide to complete the configuration tasks.
6.0 Notices

References in this document to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program, or service is not intended to state or imply that only IBM's product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe on any of IBM's intellectual property rights may be used instead of the IBM product, program, or service. Evaluation and verification of operation in conjunction with other products, except those expressly designated by IBM, is the user's responsibility.

APAR numbers are provided in this document to assist in locating PTFs that may be required. Ongoing problem reporting may result in additional APARs being created. Therefore, the APAR lists in this document may not be complete. To obtain current service recommendations and to identify current product service requirements, always contact the IBM Customer Support Center or use S/390 SoftwareXcel to obtain the current "PSP Bucket".

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Reader's Comments

Program Directory for IBM Rational Team Concert for System z, July 28, 2008 @ 10:49 a.m.

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For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

### RATING SCALE

<table>
<thead>
<tr>
<th>very satisfied</th>
<th>&lt;=</th>
<th>very dissatisfied</th>
<th>not applicable</th>
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<td>2</td>
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<td>5</td>
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<table>
<thead>
<tr>
<th>Satisfaction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ease of product installation</td>
</tr>
<tr>
<td>Contents of Program Directory</td>
</tr>
<tr>
<td>Installation Verification Programs</td>
</tr>
<tr>
<td>Time to install the product</td>
</tr>
<tr>
<td>Readability and organization of Program Directory tasks</td>
</tr>
<tr>
<td>Necessity of all installation tasks</td>
</tr>
<tr>
<td>Accuracy of the definition of the installation tasks</td>
</tr>
<tr>
<td>Technical level of the installation tasks</td>
</tr>
<tr>
<td>Ease of getting the system into production after installation</td>
</tr>
</tbody>
</table>

How did you order this product?

- [ ] Independent
- [ ] Other

Is this the first time your organization has installed this product?

- [ ] Yes
- [ ] No

Were the people who did the installation experienced with the installation of z/OS products?

- [ ] Yes
- [ ] No
If yes, how many years? __

If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

___________________________________________________________________
___________________________________________________________________
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Please provide the following contact information:

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Thank you for your participation.

Please send the completed form to (or give to your IBM representative who will forward it to the IBM Rational Team Concert for System z Development group):

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