



Hewlett Packard
Enterprise

Codar

Software version: 1.70.0001

For Microsoft Windows® and Linux operating systems

Patch Read Me

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Introduction

This readme describes the fixed issues and known issues in this patch and provides instructions for installing and configuring the patch on a Linux or Windows HPE Codar server. The cumulative patch updates the Codar server to 1.70.0001.

In this document, <CSA_HOME> refers to the directory in which HPE Codar is installed.

Fixed issues

The following table describes the issues that are fixed in this patch.

Issue	Description
QCCR1D223703	Under Pipe line Configuration, no Default Roles displayed until a new role is added.
QCCR1D228039	StaleObjectStateException when multiple packages (continuous promote) are promoted, each stage having one RG Deploy action.
QCCR1D228482	Access Control user associated with a design is unable to view the design after login.
QCCR1D229246	HPE Helion Stackato content times out when Repo Cloning is taking more than 90 seconds.
QCCR1D229374	OO Flow property value is not accepting dot (.) in Custom Action creation.
QCCR1D229542	API: CreateTestSetAction always fails with error 'Provider Instance Id is not valid' even when valid ID is provided.

Known issues

The following table describes the remaining known issues in this patch.

Issues	Description
QCCR1D222070	<p>Problem Providers not defined in a resource environment are used during provisioning when internal actions for building and selecting from a resource provider list are not used.</p> <p>Cause Filtering is not done when internal actions are not used to identify providers that can be used during provisioning. This is a product limitation.</p> <p>Workaround No workaround available.</p>
QCCR1D228037	<p>Problem There are some hardcodes in Schedule page of Release Pipeline.</p> <p>Cause This information is from a third-party library and cannot be localized.</p> <p>Workaround No workaround available.</p>
QCCR1D228220	<p>Problem Health status is not updated for servers deployed on Helion Openstack (HOS) provider.</p> <p>Cause CSA is unable to retrieve the health status since CO is not supporting HOS 3.0.</p> <p>Workaround It is a product limitation. No workaround available.</p>
QCCR1D225958	<p>Problem Missing data points when VM is powered OFF or Suspended.</p> <p>Cause Unable to plot the graph for missing data points.</p> <p>Workaround No workaround available.</p>

Issues	Description
QCCR1D228422	<p>Problem REST API fails when creating organization with name containing non-Latin characters (For example: Chinese).</p> <p>Cause Names containing non-Latin characters are converted to empty strings.</p> <p>Workaround Omit name element from the request message. The name will be generated from display_name element. Alternatively you can create the organization using UI.</p>
QCCR1D228510	<p>Problem Groups are not created within create organization REST call.</p> <p>Cause Create organization artifact REST ignores group entries specified in the payload.</p> <p>Workaround Use CSA UI (or IdM UI in case of CSA-Propel integration) or IdM REST API to:</p> <ul style="list-style-type: none"> * Create organization - POST /idm-service/api/scim/organizations * Create LDAP configuration - POST /idm-service/api/scim/organizations/<orgId>/configurations * Create role - POST /idm-service/api/scim/organizations/<orgId>/roles * Assign Permission for Role - PUT /idm-service/api/scim/organizations/<orgId>/roles/<roleId>/permissions/<permissionId> * Create Group - POST /idm-service/api/scim/organizations/<orgId>/groups * Create Group Representation - POST /idm-service/api/scim/organizations/<orgId>/groups/<groupId>/representations <p>For details, see SCIM (Cross-Domain Identity Management) documentation.</p>
QCCR1D228421	<p>Problem When SSO is enabled, Operation Orchestration (OO) does not prompt for login after CSA tokenGlobaltimeout is elapsed.</p> <p>Cause SSO configuration differs in CSA and OO and settings is not fully compatible.</p> <p>Workaround SSO in CSA is configured in CSA\jboss-as\standalone\deployments\idm-service.war\WEB-INF\hpssoConfig.xml, See tokenGlobalTimeout and tokenIdleTimeout parameters. SSO in OO is configured in OO\central\tomcat\webapps\oo\WEB-INF\classes\lwssofmconf.xml, See expirationPeriod parameter, which corresponds to tokenIdleTimeout in CSA. Check if both values are in sync. However, there is no counterpart for tokenGlobalTimeout in OO.</p>
QCCR1D228356	<p>Problem HPE Helion Stackato OOTB Design (Node Chat application) destroys an existing instance if provisioning of same application is tried again with existing name.</p> <p>Cause HPE Helion Stackato CLI commands are used to provision applications.</p> <p>Workaround For a second time use, provision the Node Chat application with a new name.</p>

Issues	Description
QCCR1D228172	<p>Problem Cannot log in as admin, when admin user is present in LDAP.</p> <p>hpcloud-idm-service.log contains following error:</p> <pre>... ERROR com.hp.ccue.identity.domain.UserAndRepresentationFactory - Failed to create user admin ...</pre> <p>Cause The admin user is defined twice with the same password in LDAP and also seeded in CSA\jboss-as\standalone\deployments\idm-service.war\WEB-INF\classes\provider-users.properties</p> <p>Workaround Change admin's password in LDAP or in provider-users.properties.</p> <p>For authentication use the password from the provider-users.properties.</p> <p>Alternatively you can remove admin user from LDAP.</p> <p>If you encountered the problem during upgrade, proceed with running the upgrade again.</p>
QCCR1D228319	<p>Problem Codar becomes unresponsive under load, and thread dumps contain too many threads blocked on log4j, For example:</p> <p>Thread dumps</p> <pre>default task-128" #2489 prio=5 os_prio=0 tid=0x000000004191f800 nid=0x93c waiting for monitor entry [0x0000000034bec000] java.lang.Thread.State: BLOCKED (on object monitor) at org.apache.log4j.Category.callAppenders(Category.java:204) - waiting to lock <0x000000006428c41d8> (a org.apache.log4j.Logger) at org.apache.log4j.Category.forcedLog(Category.java:391) at org.apache.log4j.Category.info (Category.java:666) at com.hp.ccue.identity.service.IdentityServiceImpl.authenticatePassword(IdentityServiceImpl.java:447) at com.hp.ccue.identity.service.IdentityServiceImpl.authenticate(IdentityServiceImpl.java:168) at com.hp.ccue.identity.web.api.IdentityController.authenticate(IdentityController.java:155)</pre> <p>Cause Authentication audit handling can be time consuming and after sometime the queue of events might be full. Each additional event will wait until other event is processed and removed from the queue.</p> <p>Workaround Several options that might help:</p> <ul style="list-style-type: none"> * Wait for several minutes until the event queue is cleared. * Edit CSA\jboss-as\standalone\deployments\idm-service.war\WEB-INF\spring\applicationContext.properties: <ul style="list-style-type: none"> * Disable authentication auditing: idm.csa.audit.enabled = false * Or decrease number of attempts to log audit to CSA: <pre>idm.csa.audit.retries = 3</pre>
QCCR1D227500	<p>Problem After configuring LDAP, the user login action throws "Access Denied" error.</p> <p>It takes around 10 minutes for the user to log in.</p>

Issues	Description
	<p>Cause After configuring LDAP, a background task synchronizes LDAP users to database. It is not possible to log in until the synchronization completes. The more users are in LDAP the longer the synchronization time.</p> <p>Workaround Wait for 10 minutes and try to log in using LDAP user.</p>
QCCR1D227441	<p>Problem The LDAP user will not be able to login to the CSA or Marketplace Portal immediately after the access control configuration in the organization.</p> <p>Cause The sync between LDAP group and CSA takes at least 10 minutes based on the number of users in the group. Hence, the login does not happen until the LDAP group is synced.</p> <p>Workaround No workaround available.</p>
QCCR1D227552	<p>Problem In Content Store UI, there is a mix of capsules from HPE LN and local files displayed. There is also a filter that allows you to filter the capsules.</p> <p>This filtering works only for capsules coming from HPE LN and does not have any effect on capsules installed from local files.</p> <p>Cause Filtering for local capsules is not implemented.</p> <p>Workaround Not Applicable. Capsules from local files are always displayed. They are appended to the end of the listing. However, it does not have a big impact on the usability.</p>
QCCR1D227165	<p>Problem When installing content using Content Store UI, initiating installation of multiple capsules in parallel can cause installation failure of one of the capsules.</p> <p>Cause The underlying OO platform has a restriction on installing the same components multiple times simultaneously as different content capsules often share a few components in common.</p> <p>Workaround Wait for one capsule to finish the installation and then initiate the next installation.</p>
QCCR1D227598	<p>Problem The SAML Authorization does not work if the access control is configured with the LDAP sub tree.</p> <p>Cause CSA does not support the LDAP sub tree for ACL when SAML is enabled.</p> <p>Workaround None</p>
QCCR1D187711	<p>Problem Topology components imported from Chef include an attributes parameter in their deploy operation, allowing customization of the provisioning of the Chef recipe. Properties passed in the attributes parameter are automatically converted to Strings. For example, an Integer component property of 3306 will be converted to "3306", and a Boolean component property of true will be converted to "true". If the Chef recipe is written to expect an Integer or Boolean input and not a String, the provisioning of the component will fail.</p> <p>Cause Product limitation</p> <p>Workaround The Chef recipe should be written or modified to expect String inputs.</p>
QCCR1D227645	<p>Problem In Codar Management Console under Organizations tile, select your organization-> LDAP configuration page.</p> <p>If user navigates to “Look Up User” button at the bottom of the screen and then provide a username for search, (For example: user1) [not part of the configured User Search Base], the user will be prompted with an error message - “A user could not be found in the configured LDAP directory with a user name of user1”.</p> <p>This message is not very clear or does not provide a hint for the user to re-configure the right group in User Search Base.</p> <p>Cause Product Defect</p> <p>Workaround Check if the user being searched from Look Up User is part of the group provided in User Search Base field.</p>

Issues	Description
QCCR1D186068	<p>Problem When importing an Operations Orchestration flow in the Designs / Topology / Components area of the Codar Management Console, if that flow contains an Input property with Type value of List of Values and From value of Prompt User from List – Selection List, the resulting component imported into CSA will have a property value of type String for this Input property. Instead of a list of values from which one or more can be selected, a single text input will be presented to the user for this property in both the Components and Designer areas.</p> <p>Cause The Designs / Topology / Components and Designs / Topology / Designer areas of the Codar Management Console do not have graceful support for multi-select properties such as these.</p> <p>Workaround In the text input for such a property, encode the property values using the appropriate delimiter, which is determined by the method the flow uses to parse the Input property. If the flow uses the Selection List Iterate operation that is provided with the Base content pack in Operations Orchestration, the delimiter (separator) is configurable and has a default of ' '. For example, the values 'red', 'green', and 'blue' would be specified as 'red green blue' (unquoted) if using the Selection List Iterate operation with the default separator value.</p>
QCCR1D207650	<p>Problem User cannot redeploy a package and scale out in a single operation.</p> <p>Cause Internally, redeploy and scale out are handled as two different operations. An operation is not designed to redeploy as well as scale out.</p> <p>Workaround Codar does not support scale out during redeploy in this release. In this release the user must first redeploy and update the instance. After the instance is updated, the user can scale out the deployed instance. Redeploy and scale out are not supported in a single operation. They must be performed as different operations.</p>
QCCR1D218693	<p>Problem Though an infrastructure design is selected, it is not displayed in the drop-down list in the Edit dialog box during a deploy release gate action.</p> <p>Cause Edit custom actions for partial design does not work properly.</p> <p>Workaround Do not edit the custom action. To update the custom action, delete it and add a new action.</p>
QCCR1D224553	<p>Problem When creating or editing a string property on a component type or component template in the Designs / Sequenced / Components areas of the Codar Management Console, the Property Value input may not be visible.</p> <p>Cause Product defect.</p> <p>Workaround Close the dialog and refresh the current page. Re-open the dialog again.</p>
QCCR1D226788	<p>Problem Unable to search Add Group under Designer Access Control once a group name is modified under Organizations.</p> <p>Cause The group search works based on the name and not display name, hence when the display name is modified the underlying name remains unchanged.</p> <p>Workaround User should not modify the group name in Access Control Page, and rather delete and create a new group instead of modifying it.</p>
QCCR1D228088	<p>Problem Codar Bamboo Task Plugin Log does not reveal enough details on failure.</p> <p>Cause Bamboo Console message is not enough to identify the issue.</p> <p>Workaround Open the csa.log file for a detailed error message.</p>

Issues	Description
QCCR1D228277	<p>Problem Topology design - <code>TransactionRolledBackException</code> is shown while canceling a Deployment which failed due to the absence of <code>OO_Flows</code>.</p> <p>Cause Due to the missing flows in the OO.</p> <p>Workaround No workaround available, make sure all the required OO flows are imported before deploying a design.</p>
QCCR1D228515	<p>Problem Release Manager (RM) should be restricted from accessing the Design tab for which the RM does not have the permission as per OOTB Roles defined.</p> <p>Cause Role permission checks are not working for Release Manager after the new IDM changes.</p> <p>Workaround User can see the Design tab, but will not be able to perform any operations.</p>
QCCR1D228532	<p>Problem Sequenced designs are not visible in the Release Management tile because the 'Restricted User Access' is getting enabled by default.</p> <p>Cause If the base product is CSA, then all the default OOTB designs come with the Restricted Access because the check has been added only for the Codar license.</p> <p>Workaround User has to manually uncheck the restricted access for the design from Release Pipeline.</p>

Patch installation

This section describes how to install the patch.

Check preinstallation requirements

Make sure you fulfill these prerequisites before installing:

- Check minimum hardware requirements:
 - CPU: 4 CPU, 3.0 GHz
 - RAM: 8 GB
 - Hard Drive: 20 GB
- Check the [Codar 1.70 Support Matrix](#) to verify operating-system requirements.
- Check minimum software requirements:

Codar version 1.70.0000
- Set the `CSA_HOME` environment variable:

Windows: Set the `CSA_HOME` environment variable to the following (remote MPP node):

```
C:\Program Files\HPE\Codar
```

Linux: Set the `CSA_HOME` environment variable for the remote MPP node to the default path :

```
/usr/local/hpe/codar
```
- Back up your Codar environment.
- Stop the following Codar services: HPE Codar, HPE Marketplace Portal, HPE Search Service and Elasticsearch 1.6.1(elasticsearch-service-x64).

Important: You must stop these services on each node in a cluster.

Note: If you do not stop these services manually, the following folders will not be cleared and will cause UI issues after installing the patch:

Windows: <CSA_HOME>\jboss-as\standalone\tmp

Clustered environment: <CSA_HOME>\jboss-as\domain\tmp

Linux: /usr/local/hpe/codar/jboss-as/standalone/tmp

Install the patch

Use the following procedure to install the patch in a standalone configuration or on *each* node of a cluster:

1. Download the Codar patch file:

Linux:

https://softwaresupport.hp.com/group/softwaresupport/search-result/-/facetsearch/document/LID/CODAR_00009

Windows:

https://softwaresupport.hp.com/group/softwaresupport/search-result/-/facetsearch/document/LID/CODAR_00010

2. **Linux:**

Note: For clusters, perform all steps on each node in a cluster.

- a. Extract the downloaded file: HPE_Codar_Patch_01.70.0001.bin file from the patch file.
- b. Make sure that the `codaruser` user is the owner of the file and has full privileges.
- c. Log in as `codaruser` and run `HPE_CODAR_Patch_01.70.0001.bin` to open the Codar patch installer console mode.
- d. Enter `./HPE_CODAR_Patch_01.70.0001.bin` to run the patch installer.
- e. Select **Enter** in the introduction, warnings, and prerequisites screens.
- f. In the environment dialog screen, select **Standalone** or **Cluster** environment, then click **Enter**.
- g. Click **Enter**.
- h. In the pre-installation summary dialog screen, click **Enter**.

The patch installer begins the installation.

3. When prompted, click **Enter** to exit the installation.

4. **Windows:**

- a. Extract the `HPE_CODAR_Patch_01.70.0001.exe` file from the patch zip file.
- b. Run `HPE_CODAR_Patch_01.70.0001.exe` to launch the installation wizard.
- c. Click **Next** to open the Codar Environment Selection wizard.
- d. Select **Standalone** or **Cluster** environment, then click **Next**.
- e. Click **Install** to run the patch installation.
- f. When prompted, click **Done** to exit the installation.

Verify the patch installation

The verification steps apply to both standalone and clustered environments. For clustered environments, complete these steps on each node after completing the installation on each node.

1. Check for errors in the log files:

Windows: `<CSA_HOME>_Codar_1_70_1_installation\Logs`

Linux: `$CSA_HOME/_Codar_1_70_1_installation/Logs`

Log files include `codar_install.log` and `codar_InstallPatch.log`.

Note: If there are errors, create a backup of the log files, restore the backup of the `CSA_HOME` directory, and contact HPE Support.

2. Clear the browser cache.
3. Make sure the Codar, HPE Search, and Elasticsearch services 1.6.1 (`elasticsearch-service-x64`) are running:

Windows: Installer automatically starts these services.

Linux: Start the services manually. In a cluster environment, manually start the services on all nodes.

4. Launch the Codar Console, log in, and check for the updated version.

Patch removal - Linux

This section provides the steps to uninstall the patch on a Linux server in both standalone and clustered environments.

Note: Uninstallation of the patch will not revert the database-indexing changes made during patch installation.

Before uninstalling the patch

Complete the following preparation steps before you uninstall the patch:

1. Back up the Codar environment.

Warning: If you do not stop creation and modification, the uninstallation might fail and Codar might be left in an unstable state.

2. Sign out of all open instances of the Codar Provider Console.
3. Stop the following Codar services: HPE Codar, HPE Marketplace Portal, HPE Search Service, and Elasticsearch 1.6.1(elasticsearch-service-x64)

Important: You must stop these services on each node in a cluster.

Uninstall the patch on standalone and cluster Codar servers

To uninstall the patch:

1. Navigate to `$CSA_HOME/_Codar_1_70_1_installation/Uninstaller`.
2. Run `./Uninstall HPE Codar Patch` to start the uninstaller console mode.
3. Click **Enter** for the introductory and warning screens.
4. Click **Enter** to run the patch uninstaller.
5. When the patch uninstallation is complete, click **Enter** to exit the uninstallation process.

Patch removal - Windows

This section provides the steps to uninstall the patch on a Windows server in both standalone and clustered environments.

Note: Uninstallation of the patch will not revert the database-indexing changes made during patch installation.

Before uninstalling the patch

Complete the following preparation steps before you uninstall the patch:

1. Backup the Codar environment.
2. Stop new subscription creation and subscription modification.

Warning: If you do not stop creation and modification, the uninstallation might fail and Codar might be left in an unstable state.

3. Sign out of all open instances of the Codar Provider Console and Marketplace Portal.
4. Stop the following Codar services: HPE Codar, HPE Marketplace Portal, HPE Search Service and Elasticsearch 1.6.1(elasticsearch-service-x64).

Important: You must stop these services on each node in a cluster.

Uninstalling the patch on standalone and clustered environments

You can uninstall the patch using either of the following methods:

- Using the Control Panel
- Using the Uninstall Codar Patch wizard

Note: For clustered environments, perform the steps on each node of the cluster after stopping the services on all nodes.

To uninstall the patch using the Control Panel:

1. In the Control Panel, choose **Uninstall a program**.
2. Select **Codar Patch** and click **Uninstall**.
3. Follow the instructions on the uninstall wizard to uninstall the patch.

To uninstall the patch using the Uninstall Codar Patch wizard:

1. Navigate to `<CSA_HOME>_CODAR_1_70_1_installation\Uninstaller`.
2. Execute `Uninstall HPE Codar Patch.exe` to open the Uninstall Codar Patch wizard.
3. Click **Uninstall** to uninstall the patch.
4. Click **Done** to exit the uninstall wizard.

Patch removal verification

After uninstalling the patch, perform the following steps to verify the patch was removed. These verification steps apply to both standalone and clustered environments.

Note: For clustered environments, complete these steps on each node.

1. Check for errors in the log files:

Windows: `<CSA_HOME>_Codar_1_70_1_installation\Logs`

Linux: `$CSA_HOME/_Codar_1_70_1_installation/Logs`

Log files include `codar_uninstall.log`, and `codar_unInstallPatch.log`.

Note: If there are errors, create a backup of the log files, restore the backup of the `CSA_HOME` directory, and contact HPE Support.

2. Clear the browser cache.
3. Make sure the Codar, HPE Search, and Elasticsearch 1.6.1 services are running:

Windows: The installer automatically starts these services.

Linux: Start the services manually. In a cluster environment, manually start the services on all nodes.

Codar modified files

```
<CSA_HOME>/jboss-as/standalone/deployments/csa.war/*
<CSA_HOME>/jboss-as/standalone/deployments/csa.war/idm-service.war/*
<CSA_HOME>/portal/*
```

```
CSA_HOME/CSAKit-1.7/Lib/service manager/HPSM_CSA_Integration_file.unl
CSA_HOME/Tools
```

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