

HP Helion Codar

Software version 1.00, December 2014

Release Notes



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Introduction

This document provides an overview of the changes made to HP Helion Codar for this release. It contains important information not included in the manuals or in online help.

In this version

HP Helion Codar provides software to integrate specific HP products for the purpose of delivering and managing automated services in a cloud computing environment. For more information about integrated products, see the *HP Helion Codar Solution and Software Support Matrix*.

To ensure the performance and stability of the HP Helion Codar environment, complete the following tasks before installation begins:

- Review supported hardware and software for each component product in order to meet the minimum installation requirements.
- Make sure the relevant patches and hot fixes to the patch releases are applied to the component products.
- Review the release notes for each component product to be aware of additional changes or restrictions.

Installation requirements

Installation requirements are documented in the *HP Helion Codar Solution and Software Support Matrix*. Instructions for installing HP Helion Codar are documented in the *HP Helion Codar Installation and Configuration Guide*.

Documentation

To access HP Helion Codar documentation and white papers, go to the following URL and sign in or register:

<https://softwaresupport.hp.com/>

Use the Search function at the top of the page to find documentation, white papers, and other information sources.

To learn more about using the customer support site, go to:

https://softwaresupport.hp.com/documents/10180/14684/HP_Software_Customer_Support_Handbook/

Support

You can visit the HP Software support web site at:

<https://softwaresupport.hp.com/>

To learn more about using the customer support site, go to:

https://softwaresupport.hp.com/documents/10180/14684/HP_Software_Customer_Support_Handbook/

Known problems, limitations, and workarounds

HP Helion Codar

General

In FIPS mode, HP Helion Codar fails to start with NoSuchAlgorithmException in the log file

ID	QCCR1D163384
Problem	Oracle JDBC Thin Driver (ojdbc6.jar) fails to connect to Oracle in SSL mode when a different crypto provider is specified in the java.security file.
Cause	Oracle JDBC Thin Driver (ojdbc6.jar) does not support SSL mode when a different crypto provider is specified in the java.security file. Detailed information can be found on the Oracle support site (https://support.oracle.com/) where we raised a Sev2 service request for this issue. The SR number is Oracle.SR 3-6995008521.
Workaround	No workaround is available. The solution will be available once Oracle implements Enhancement Request (ER) 16794055 for their Oracle Thin JDBC driver. (For details please check SR 3-6995008521 at Oracle support home: https://support.oracle.com/).

Installation, initial configuration, and uninstallation

Installer picks up incorrect fully-qualified domain name (FQDN) in hostname configuration

ID	QCCR1D189573
Problem	During installation of HP Helion Codar on Windows Server 2012 R2, sometimes the FQDN is incorrectly picked up. This issue is applicable only if SSO is disabled. This may lead to improper installation and result in unexpected functioning of application.
Cause	Product defect
Workaround	Update the FQDN with correct value before proceeding with installation.

Installer displays generic messages if incorrect values are provided for database configuration

ID	QCCR1D192951
Problem	During HP Helion Codar installation, if any value (hostname, database name, database users, password, port, etc.) entered in the database configuration is incorrect, then a generic message "Could not connect" is displayed rather than specific error.
Cause	Product defect
Workaround	No workaround is available.

HP Helion Codar installation completion message is misleading

ID	QCCR1D192635
Problem	In the install wizard, the message in the last screen says "Press Done to quit the installer". "Quit" is misleading, as user is completing the installation and not quitting or cancelling the installation.
Cause	Product defect
Workaround	No workaround is available.

Incorrectly installed embedded HP Operations Orchestration causes all flows to fail

ID	QCCR1D192695
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Problem	While installing HP Helion Codar with embedded HP Operations Orchestration, the installation will continue even if the default port for HP Operations Orchestration (8080) is used by another process or application. As a result, the installation will report that there were errors at the end of the installation.
Cause	The HP Helion Codar installer does not check the port to make sure it is available.
Workaround	Uninstall HP Helion Codar, check that port 8080 is available before the installation, and then reinstall.

HP Helion Codar does not start correctly when Single Sign On is configured in an HA environment on Linux

ID	QCCR1D187312
Problem	In an HA environment on Red Hat Enterprise Linux where Single Sign On has been enabled, HP Helion Codar may not start correctly and may display errors in a browser when attempting to connect.
Cause	This is caused by an incomplete path to the Single Sign On configuration file being set at installation time in the web.xml file.
Workaround	<p>The jboss-as-7.1.1.Final directory name has changed to jboss-as.</p> <ol style="list-style-type: none"> 1. Stop the HP Helion Codar service. 2. Navigate to the web.xml file under CODAR_HOME/jboss-as-7.1.1.Final/domain/servers/hp-cloud/deployments/csa.war/WEB-INF and change the param-value in the following section to be the full path of where this file resides. For example, change: <pre><!-- The file below is used by the HP SSO Framework for the configurations required --> <context-param> <param-name>com.hp.sw.bto.ast.security.lwssso.conf.fileLocation</param-name> <param-value>/jboss-as-7.1.1.Final/domain/servers/hp-cloud/deployments/csa.war/WEB-INF/hpsssoConfiguration.xml</param-value> </context-param> to <!-- The file below is used by the HP SSO Framework for the configurations required --> <context-param> <param-name>com.hp.sw.bto.ast.security.lwssso.conf.fileLocation</param-name> <param-value>/usr/local/hp/csa//jboss-as-7.1.1.Final/domain/servers/hp-cloud/deployments/csa.war/WEB-INF/hpsssoConfiguration.xml</param-value > </context-param></pre> 3. Restart the HP Helion Codar service.

HP Helion Codar Management Console

Accounting of resource usage for measurable properties used in topology designs does not work correctly

ID	QCCR1D193574
Problem	Proper accounting of resource usage for measurable properties used in topology designs does not always work correctly. In particular, if none of the providers of a given provider type have resource pools configured, no resource accounting will be performed and provisioning of topology designs that specify values for measurable properties for components of that provider type will be allowed to succeed. Additionally, if some of the providers of a given provider type contain resource pools while others do not, then resource accounting may not occur correctly.
Cause	When a provider with no resource pools is selected for provisioning, it interferes with the proper resource accounting that should occur during provisioning.

Workaround	If you wish to track resource usage with measurable properties and resource pools, ensure that every provider of a given provider type contains at least one resource pool, even if that resource pool is empty. You only need to configure resource pools for provider types that have associated components that are used in topology designs. For example, if using the vCenter Server component in a topology design with non-zero measurable property values, ensure every VMware vCenter provider is configured with a resource pool, even if some of those pools are empty. If environments are used to restrict the available providers that can be chosen during provisioning, you need only add resource pools to every provider in that environment. If you are not certain which providers will be used during provisioning, you may wish to simply create an empty resource pool for every resource provider you have configured.
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Provisioning of a topology design can fail with an error message that includes 'optimistic locking failed'

ID	QCCR1D193511
Problem	In some cases provisioning of a topology design can fail with an error message that includes 'optimistic locking failed'. Such failures occur during either the Reserving or Unreserving lifecycle phase. This error can be viewed in the Test Run area of the Cloud Service Management Console by selecting the event that failed during provisioning. Such errors occur only when measurable properties are used in the topology design and when resource pools have been configured on resource providers in the Providers area of the Cloud Service Management Console.
Cause	Two threads are trying to change the same data.
Workaround	Retry the provisioning. Note that if this particular error occurs during the Unreserving phase you may need to manually modify the resource usage of the resource pool that was used for provisioning. This can be accomplished in the Providers area by first selecting the resource provider used for provisioning, and the chosen pool on the Resource Pools tab, and finally by editing the relevant resource usage on the Resources tab.

Some images in the Cloud Service Management Console display as broken links

ID	QCCR1D193024
Problem	When HP Codar is configured for SiteMinder Single Sign On, certain images in the Cloud Service Management Console will display as broken links.
Cause	The applicationContext-security.xml does not fully enumerate all image paths in the ignoreURLsContaining directive.
Workaround	<p>Open %CODAR_HOME%\jboss-as\standalone\deployments\codar.war\WEB-INF\applicationContext-security.xml and locate the "Bean definitions for SSO" comment. In the ignoreURLsContaining list, add the image paths to the existing list, as shown below:</p> <pre> <beans:property name="ignoreURLsContaining"> <beans:list> <beans:value>/csa/rest/</beans:value> <beans:value>/csa/api/blobstore</beans:value> <beans:value>/csa/sharedcsa-html- lib/images</beans:value> <beans:value>/csa/shared/images</beans:value> <beans:value>/csa/providers/images</beans:value> </beans:list> </beans:property> </pre> <p>If this does not fully resolve the problem, right-click a broken image link in the Management Console to determine its path, then add the relevant portion of the link to the list shown above.</p>

Page not found errors occur when HP Helion Codar is configured for High Availability and Single Sign-On

ID	QCCR1D192709
Problem	When HP Helion Codar is configured for High Availability and also configured for Single Sign-On (SSO), after the SSO cookie is invalidated by logging out from another application, clicking on links in the Management Console will result in page not found errors instead of being redirected to the login screen.
Cause	The logout page redirects to the incorrect host in this HA + SSO environment. Instead of redirecting to the proxy host, it redirects to the slave host.
Workaround	Directly access the Management Console using the proxy hostname if page not found errors occur after logout from another application that is also configured for SSO.

Concrete composite designs are listed in the Infrastructure drop-down list of the Test Run Wizard

ID	QCCR1D191907
Problem	Concrete composite designs created are incorrectly listed in the Infrastructure drop down list of the Test Run Wizard.
Cause	Product defect
Workaround	Select a non-composite infrastructure design from the drop-down list. You can inspect the design to make sure it is not a composite design.

Navigating to Topology Components tab changes the Brand from HP Helion Codar to Cloud Service Automation in Browser tab

ID	QCCR1D193008
Problem	While navigating to the Topology > Components tab, the browser tab heading changes from HP Helion Codar to Cloud Service Automation.
Cause	Product defect
Workaround	No workaround is available.

Topology component Boolean and integer properties are not correctly mapped to Chef attributes

ID	QCCR1D187711
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.
Cause	Product limitation
Workaround	The Chef recipe should be written or modified to expect string input.

When removing a relationship, the relationship mappings are not completely deleted

ID	QCCR1D192575
Problem	When a relationship is removed from a component in the Designs / Topology / Components area of the Cloud Service Management Console, certain information from that relationship is not completely deleted from the operation parameter mapping configuration for that component. This can cause unexpected behavior if you remove a relationship, then add a new relationship, and then view the parameter mapping for an operation that was originally referencing the deleted relationship.
Cause	Product defect

Workaround	When deleting a relationship, review the parameter mappings that had been using that relationship in the Operations tab of that component. Parameter mappings that had been using that now deleted relationship will display No Relationships Defined when you edit their parameter mapping. Explicitly set the parameter mappings to Not Mapped (or to the new desired value) to clear the stale information about the deleted relationship.
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Ubuntu browsers have trouble displaying non-English characters in some areas of the Management Console

ID	QCCR1D177819
Problem	Certain areas of the Management Console may not display correctly in non-English locales with browsers running on Ubuntu.
Cause	Issue with non-English characters in Flash content on Ubuntu systems.
Workaround	Use a browser on a system other than Ubuntu, such as Windows.

Two attempts are needed to log into the Management Console

ID	QCCR1D185405
Problem	It sometimes takes two attempts to log into the Cloud Service Management Console.
Cause	Product defect that appears to be related to closing the browser tab for, rather than logging out of, the Management Console.
Workaround	Log out of the Management Console to end your session. If the first log in attempt does not succeed, log in again.

Imported topology component does not present a list of values for a multi-select input property

ID	QCCR1D186068
Problem	When importing an HP Operations Orchestration flow in the Designs / Topology / Components area of the 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 HP Helion Codar 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.
Cause	The Designs / Topology / Components and Designs / Topology / Designer areas of the Cloud Service Management Console do not have graceful support for multi-select properties such as these.
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 default Selection List Iterate operation that is provided with HP 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.

Error occurs when using Save As button for a topology component

ID	QCCR1D192919
Problem	When a topology component is being created using the Save As button, in the Designs / Topology / Components area of the Cloud Service Management Console, if another component already exists with the same name, then the following error is shown: "Internal server error occurred. Contact your system administrator." In the csa.log file, you'll see an entry similar to the following: Caused by: java.sql.SQLException: Violation of UNIQUE KEY constraint 'UQ__CSA_TM_C__2F88FC4730441BD6'. Cannot insert duplicate key in object 'dbo.CSA_TM_COMPONENT_TYPE'. The duplicate key value is (AmazonServerType, com.hp.csa.type, 04.20.0000).

Cause	Topology components that are being cloned and created using the Save As button must be given a unique display name. The error message should be indicating that the duplicate name is the true cause of the failure; however, it is not.
Workaround	Always use a unique display name in the Save As dialog. For example, when using Save As for the Amazon Server component, use a new display name of Custom Amazon Server.

Pipeline management

Deployment does not pick correct value if user selects None after selecting an invalid environment

ID	QCCR1D192889
Problem	In the deployment wizard, if you select an environment that is not associated with any design, the message will correctly indicate that the environment does not have any providers associated with it. Further, if you select the None option for an environment, a message will incorrectly indicate that the environment does not have any providers associated.
Cause	Deployment doesn't pick up the correct value if None is selected after an invalid value is given for the environment.
Workaround	Close the deployment wizard and start it again. You can then select None for the environment.

Topology design properties which has an associated package does not reset back the values after showing a proper error message

ID	QCCR1D192535
Problem	When you try to modify and save topology design properties that have an associated package, an error message is displayed but the application does not reset back to the original values.
Cause	Product defect
Workaround	You must go back to the Designer page and select the design again.

Optional properties of a topology design which has associated packages are modifiable

ID	QCCR1D191222
Problem	Optional properties of a topology design which has associated packages are modifiable. This may result in unexpected results with package deployment.
Cause	Product defect
Workaround	You should not modify the optional properties of a topology design after it is associated with packages.

The Promote option is not disabled for packages associated with empty design

ID	QCCR1D192976
Problem	The Promote button is not disabled, but you cannot promote a package with an empty design to the next stage in pipeline management.
Cause	Product defect
Workaround	You should not promote a package with an empty design.

Petclinic DB Conf artifact password is not obfuscated

ID	QCCR1D193080
Problem	When you import the Pet Clinic example design, the 'PetClinic DB conf' component's 'artifactpassword' property doesn't obfuscate the values entered by the user.

Cause	The PetClinic DB conf' Component's 'artifactpassword' property is not set as confidential.
Workaround	Navigate to the Designs > Topology > Components and search for the PetClinic DB Conf component. Select this component and navigate to its Properties tab. Edit the artifactpassword property and enable the Confidential Data option and save it.

Changing the HP Helion Codar Application tag causes errors

ID	QCCR1D193341
Problem	You can change the display name of the HP Helion Codar Application tag; however, this will result in errors when you try to open the Packages tab.
Cause	Product defect
Workaround	You should not modify the HP Helion Codar Application tag.

Deleting the HP Helion Codar Application tag causes the Packages tab to stop working

ID	QCCR1D193348
Problem	If you delete the HP Helion Codar Application tag, the Packages tab will no longer function properly.
Cause	Product defect
Workaround	You should not delete the HP Helion Codar Application tag.

Deploying a design without nodes produces an error message

ID	QCCR1D193345
Problem	An empty design, which is a design without nodes, produces the following error message when it is deployed, "No end step found while creating flow: design1 1.0.0 Deployment."
Cause	Deployment of empty designs should be restricted.
Workaround	You should not deploy an empty design.

Readme files for the Pet Clinic example application provide incorrect information

ID	QCCR1D193079
Problem	Petclinic AWS and vCenter design readme files indicate that you should enter an artifact URL property which is nonexistent.
Cause	Documentation defect
Workaround	You should ignore the artifacturl property in readme.txt.

Online help

Management Console online help inaccurately states that resource pools are not applicable to topology designs

ID	QCCR1D192619
Problem	The Management Console online help states: "Resource pools can be used to help with resource allocation in sequenced designs. They are not applicable to topology designs." This statement is not correct; resource pools are applicable to topology designs in HP Helion Codar.
Cause	Documentation defect
Workaround	No workaround is available.

Integrations

HP Operations Orchestration

When you delete a topology design, the associated HP Operations Orchestration flows are not deleted

ID	QCCR1D182748
Problem	When you create a topology design, HP Operations Orchestration flows are created for that design in the Library / Integrations / Hewlett-Packard / Cloud Service Automation / E2E / <product_version> directory. Deleting the topology design will not delete the associated flows from HP Operations Orchestration.
Cause	Product limitation
Workaround	The associated flows can be ignored or manually deleted. The flow names include the design name and version to help with identification.