



Hewlett Packard
Enterprise

Cloud Service Automation

Software version: 4.70

For Microsoft Windows® and Linux operating systems

Release Notes

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Contents

Introduction	3
In this version	3
Installation requirements	3
Documentation	3
Support.....	3
Fixes in this Release	3
HPE Cloud Service Automation.....	3
Installation, Initial Configuration, Upgrade, and Uninstallation	3
Cloud Service Management Console	7
Marketplace Portal	8
Integrations with HPE CSA.....	10
HPE Operations Orchestration	10
Known problems, limitations, and workarounds	11
HPE Cloud Service Automation.....	11
General	11
Installation, Initial Configuration, Upgrade, and Uninstallation	16
Cloud Service Management Console	17
Marketplace Portal	19
Online Help	20
Deprecation Announcements	20
Delegated topology service components.....	20
Operations Orchestration version 9.07 support.....	20
End-of-Support Announcements	20
“Select Resource Pool from Provider” internal action.....	20
Service Designs and Content Packs	20
Send documentation feedback	22
Legal notices	22
Documentation updates	22
Support	22

Introduction

This document provides an overview of the changes made to Hewlett Packard Enterprise Cloud Service Automation (HPE CSA) for this release. It contains important information not included in the manuals or in online help.

In this version

HPE Cloud Service Automation (HPE CSA) provides software to integrate specific Hewlett Packard Enterprise products for the purpose of delivering and managing automated services in a cloud computing environment. For more information about integrated products, see the *HPE Cloud Service Automation Solution and Software Support Matrix*.

To ensure the performance and stability of the HPE Cloud Service Automation 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 *HPE Software Cloud Service Automation Solution and Software Support Matrix*. Instructions for installing HPE Cloud Service Automation are documented in the *HPE Cloud Service Automation Installation Guide*.

Documentation

To access HPE CSA documentation and white papers, go to the following URL and sign in or register:

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

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

Support

Visit the Hewlett Packard Enterprise Software Support Online web site at <https://softwaresupport.hpe.com/>.

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

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

Fixes in this Release

HPE Cloud Service Automation

Installation, Initial Configuration, Upgrade, and Uninstallation

The IDM `applicationContext.properties` file has unused properties defined

ID	QCCR1D204074
Problem	Within the IDM .war file, the <code>applicationContext.properties</code> file has the following configuration properties:

# Database connection settings	<pre> idm.persistence.connection.driver.class = org.postgresql.Driver # Update this url to have your correct information idm.persistence.connection.url = jdbc:postgresql://<database host>:<database port>/<database name> # Database connection user settings idm.persistence.connection.username = <username> idm.persistence.connection.password = <password> # JDBC connection pool (use the built-in) idm.persistence.connection.pool_size = 10 </pre>
These properties have no effect in CSA and can be cleared.	

Request Subscription API calls that function in CSA 3.2 that do not work in CSA 4.5.

ID	QCCR1D213372
Problem	Request Subscription API calls that function in CSA 3.2 that do not work in CSA 4.5

CSA does not accept LW-SSO tokens from other products

ID	QCCR1D217765
Problem	<p>When trying to login to the CSA MPP with a token provided by Asset Manager or Service Manager, a blue login pop-up screen is presented.</p> <p>Valid credentials are not accepted and the idm-service log lists the following error:</p> <pre> 2015-11-17 16:06:16,192 [default task-20] ERROR com.hp.ccue.identity.filter.hpssso.HpSsoFilter - Tenant </pre>

A security warning is displayed about an Operations Orchestration (OO) upgrade when a new embedded OO is installed

ID	QCCR1D218563
Problem	<p>In a CSA Linux installation, if you choose to use an existing OO installation, and then to use embedded OO instead, the following security warning is displayed:</p> <pre> HPE Recommends to upgrade to HPE OO 10.50 to have more secure CSA-OO integration. </pre> <p>This security warning is redundant.</p>

The HPE Single Sign-On (SSO) between CSA 4.60 and Standalone OO 10.50 is not established during an upgrade from CSA 4.20 Patch 2 to CSA 4.60

ID	QCCR1D218817
Problem	<p>HPE SSO is not established when upgrading from a previous CSA version, and only when SSO between CSA and OO was enabled and is using the default initString. There is a new security enhancement during which the upgrade detects that the initString used for SSO communication is the default initString. In this case, the initString is regenerated in CSA side and an attempt to change the initString is made in OO. In the first part of this attempt, CSA asks OO whether SSO is already enabled. If the response is yes, CSA does not change SSO because that could break the SSO already enabled in OO.</p> <p>For example, external OO can be configured to use SSO with other products.</p>

Windows error message that the `welcome.html` file cannot be found during external MPP upgrade is displayed

ID	QCCR1D218882
Problem	When upgrading external MPP on a Windows environment, you may see a warning at the end of the installation that Windows cannot find the <code>welcome.html</code> file.

vCenter Compute with Basic Options CSL design's MPP notification on deployment or change in subscription is not done cleanly

ID	QCCR1D219104
Problem	<p>When upgrading from CSA 4.50 to CSA 4.50 Patch 1 to CSA 4.60 using external OO 10.20.0001, the notification list header includes the subscription name, but not under the Subscription column.</p> <p>This is because the OO base content pack does not have the current updates required to work correctly with CSA 4.60.</p> <p>Resolution to this is to load <code>oo10-csa-integrations-cp-4.50.0000.jar</code> manually. This version of the content pack includes a defect fix that addresses this issue.</p>

Foundation-based bootstrap customizations made to IDM login page do not work with CSA 4.6

ID	QCCR1D219223
Problem	Custom themes for the portal login screen created in releases prior to CSA 4.6 no longer function and the appropriate locations have changed.

After upgrading from CSA 4.20 Patch 2 to CSA 4.60, service offerings created prior to CSA 4.x are not displayed in CSA 4.6 MPP dashboard Browse catalogs

ID	QCCR1D219249
Problem	After upgrading from CSA 4.20, CSA 4.20 Patch 1, CSA 4.20 Patch 2, CSA 4.50, or CSA 4.50 Patch 1 to CSA 4.60, service offerings that were created prior to CSA 4.x are not displayed in CSA 4.60 MPP dashboard Browse catalogs. These offerings are shown in the CSA 4.60 SMC catalog offerings, and in the CSA 4.20 MPP dashboard catalogs.

Upgrade from CSA 4.2 to CSA 4.6 completes successfully but a `FileNotFoundException` error is displayed in the install error log

ID	QCCR1D219349
Problem	Upgrade from CSA 4.2 to CSA 4.6 completes successfully, but the CSA <code>Install_Error</code> log file has the following error message: <code>ERROR :HPE OO import cert: Cannot read specified file .java.io.FileNotFoundException.</code>

Uninstallation of CSA 4.6 that was upgraded from 4.2 with embedded OO does not uninstall OO when both products are installed in non-default folders

ID	QCCR1D219454
Problem	After upgrading of CSA from 4.2 to 4.6 with embedded OO, OO is not uninstalled during uninstallation of CSA.

Confirmation message modified to alert users during cancel subscription

ID	QCCR1D219681
Problem	End user needs detailed warning message during subscription cancellation. As a solution, provided detailed message warning when subscription gets cancelled.

CSA API incorrectly validates Property Values with Custom Validators

ID	QCCR1D219914
Problem	When updating a Service Offering via API to empty a value that has a custom validator attached, the call fails with error 500.

Initial Order for child option set is not working while modifying a subscription

ID	QCCR1D219943
Problem	Initial order setting of the option set is used to determine visibility in MPP UI during subscription modification. Also, initial order setting of the parent is considered and the actual setting of the option set is ignored.

Issues with Penetration/Vulnerability Testing - RC4 Cipher Suites Detected

ID	QCCR1D220586
Problem	Issues With Penetration/Vulnerability Testing - RC4 Cipher Suites Detected due to supporting RC4 cipher by MPP and CSA servers. Removing RC4 cipher support from CSA and MPP.

A paused subscription (failed during deployment) when "cancelled" manually in the operations tab of CSA management console, remains in pending state and does not proceed to deletion

ID	QCCR1D224205
Problem	A paused subscription (failed during deployment) when "cancelled" manually in the operations tab of CSA management console, remains in pending state and does not proceed to deletion.

Issues with Penetration/Vulnerability Testing - Secure Flag Not Set on Cookies

ID	QCCR1D224813
Problem	HTTP cookies which is used to store session identifiers did not consistently have the "secure" flag set to prevent their clear-text transmission (com.hp.csa.user).

Issues with Penetration/Vulnerability Testing - JavaScript Hijacking

ID	QCCR1D224815
Problem	Some responses from mpp-server would send back Array responses. Changed to send back full body as sent from CSA to have Object encapsulated data.

CSA 4.5 Patch 1 - Modify Subscription replace properties with old option values

ID	QCCR1D224816
Problem	InitialOrder option set are not considered during property propagation for Modify action.

Unauthorized access to CSA functions

ID	QCCR1D224994
Problem	There was lack of permission checks for Organization_Read and Write .

Duplicate user names created in the database if the user is also a Named Approver

ID	QCCR1D225267
Problem	User record gets duplicated in database, when a user with a capital letter in userName is set as approver. It duplicates as many times we make him approver. The case check was failing

	because the userName is fetched as lowercase whereas the userName from API call was not being converted to lowercase.
	Problem was resolved by changing both to same case.

Run IDs of events are not visible in CSA

ID	QCCR1D225529
Problem	The OO flow updates the process Instance even before the flow completion is acknowledged by OO. This leads to a batch update error and the information returned during flow completion (Run Id) is lost. The code has been added to prevent this exception.

CSA engine not accepting new subscriptions when search service and elastic search service are started

ID	QCCR1D226046
Problem	Background service that handles syncing CSA with elasticsearch can get into a loop if search service is not allowing connections or the elasticsearch service is down.

Cloudslang flows cannot be imported to CSA topology components

ID	QCCR1D226508
Problem	Cloud slang flows could not be imported to CSA topology components. Required code changes has been done so that cloud slang flows can be imported to CSA topology components.

CSA fails to publish topology design if its name contains Japanese characters

ID	QCCR1D226511
Problem	If topology design name contains the Japanese characters then Master OO flow gets corrupted. While deleting the design, Content Pack (CP) was not getting deleted from OO central.

User is not able to submit modify subscription request if Subscription was created from Global shared catalog

ID	QCCR1D226513
Problem	Offering was published to a Global Shared Catalog with no access control given to default organization catalog, modify subscription, and public actions were failing.

Transfer Subscription should fail if transfer is made to a user who do not have access to the catalog

ID	QCCR1D227047
Problem	Subscription Managers are able to transfer Subscriptions to users who do not have access to the Subscription's Offering in the Catalog, which can cause problems with Approvals.

CAC RegEx Filter only working with Default values

ID	QCCR1D227966
Problem	CAC filter not working. Default value is changed.

Cloud Service Management Console

Cancellation status of subscriptions that require cancellation approval is not reflected in Operations area until approval is granted

ID	QCCR1D192793
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Problem	Subscriptions that require approval to cancel will not reflect the cancellation status in the Operations area of the Cloud Service Management Console until the approval has been granted. If the Cancel button is repeatedly clicked in this state, each Cancel attempt will create a duplicate and unnecessary approval request.
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We should be able to get a list of service offerings associated to a selected Service Design.

ID	QCCR1D218226
Problem	Offerings not displayed as a part of the designer tab

We should be able to get a list of service offerings associated to a selected Service Design.

ID	QCCR1D218762
Problem	Offerings not displayed as a part of the designer tab. As, a solution the Offerings tab is added.

Subscription modify fails with 'timeout' status while OO flow finish without error

ID	QCCR1D218879
Problem	The List Data type was found in property type of Topology Component property. The List Data type in the property type of Topology Component property will be removed. Hence Topology Component property will now support 'String', 'boolean', 'integer' only.

Modify Subscription Do not Pass value to Component property

ID	QCCR1D219689
Problem	If the modifiable property of a component has a _ in its name, the value is not propagated during a modify subscription.

When custom regular expression is mentioned for option properties and left empty, validation fails for the default value and throws blue screen

ID	QCCR1D224436
Problem	The Custom Constraint Regular Expression if modified and left empty, the validation fails as there was no check to the regular expression. Due to this issue the subscription fails to submit.

Marketplace Portal

Topology design does not provision successfully when subscriber selects **Any Environment** or **Any Provider In This Environment**

ID	QCCR1D208045
Problem	When a subscriber in the Marketplace Portal selects the Any Environment option in the Environment and Provider Selection option set for a particular provider type, or selects a specific environment and then selects Any Provider In This Environment , certain types of topology designs may not provision successfully. In particular, when a topology design includes a List subscriber option property that is configured for Dynamic Entry and when the selected JSP for the List property retrieves information from a provider, the provisioning of the design may not be successful. For example, OpenStack based designs that are configured to use JSPs beginning with <code>csa-openstack</code> may not provision successfully when Any Environment or Any Provider In This Environment is selected by the subscriber.

Service offerings for designs that contain circular dependencies between subscriber option properties can be published to a catalog and result in a blue screen being displayed for the offering in the Marketplace Portal

ID	QCCR1D208513
Problem	Service offerings for designs that contain circular dependencies between subscriber option properties can be published to a catalog and result in a blue screen being displayed for the offering in the Marketplace Portal. For example, if a sequenced design contains a List subscriber option property configured to be Dynamic Query , named <code>propertyOne</code> , that specifies a HTTP Request Body including <code>[CLIENT:propertyTwo]</code> , and if another subscriber option property named <code>propertyTwo</code> has an HTTP Request Body including <code>[CLIENT:propertyOne]</code> , this creates a circular dependency, and a blue screen will be displayed in the Marketplace Portal for service offerings published based on this design.

Elasticsearch does not return group-owned subscriptions

ID	QCCR1D213955
Problem	<p>When using global search in the Marketplace Portal, a user cannot see subscriptions that have the group ownership set unless that user created that subscription.</p> <p>For example:</p> <ul style="list-style-type: none"> • User A and user B are part of Group A. • User A creates a subscription and sets the group ownership to Group A. <p>This subscription will be displayed in global search results only for user A and not for user B.</p> <p>This issue does not affect the subscription list page that shows subscriptions owned by the user's group.</p>

Import Offering UI for CSL content for SIU preview shows verification succeeded, but the import shows error

ID	QCCR1D218725
Problem	Importing service offerings is not allowed when the service offering's subscriber options differ from the underlying service design's option model. This situation usually happens when the service offering being imported has a service design already present on the target system where the option model has changed. In this case, when trying to import service offering, the preview operation does not show an indication that the import operation will fail. The actual import will fail as expected with the appropriate error message.

Currency is not displayed in HTML notifications when subscription costs have too many digits

ID	QCCR1D219037
Problem	The currency symbol is not displayed in email notifications if the price contains too many digits.

Elasticsearch is enabled but does not return existing CSA 4.2 data after upgrading from CSA 4.2 Patch 2 to CSA 4.6 on Windows with MSSQL database

ID	QCCR1D219228
Problem	When CSA 4.2 Patch 2 on Windows with MSSQL database is upgraded to CSA 4.6, offerings and subscriptions that were created in CSA 4.2 are not available through globalsearch .

Canceled/Expired failed subscriptions should show retry button

ID	QCCR1D219675
Problem	When subscription failed during cancel/expire, it displays delete button. As a solution, retry button is displayed to the users.

Provide refresh button on subscription list page on MPP.

ID	QCCR1D219678
Problem	No refresh button was available for subscription/request list pages on MPP.

In the German localized version of MPP there is a typo. *Empfägner* is used instead of *Empfänger*.

ID	QCCR1D220418
Problem	Typo in German version of CSA MPP
Cause	<i>Empfägner</i> is used instead of <i>Empfänger</i> .
Workaround	Manually correct the json file at: C:\Program Files\Hewlett-Packard\CSA\portal\node_modules\mpp-ui\dist\locales\de\vb.json on line 1031.

MPP session expiry not working when SSO is enabled

ID	QCCR1D224812
Problem	CSA portal is not working properly when reconnecting after an inactive period greater than the MPP timeout configured for the portal (defaults to 30 minutes).

Integrations with HPE CSA

HPE Operations Orchestration

vCenter Sync Resource Capacity 4.5 flow does not work without an explicit port in the Service Access Point

ID	QCCR1D219159
Problem	The CSA Integrations content pack includes a vCenter Sync Resource Capacity 4.5 flow that can be selected as a Resource Synchronization Action on a CSA resource pool. The flow does not succeed unless the Service Access Point includes a valid port.

Known problems, limitations, and workarounds

HPE Cloud Service Automation

General

If you have providers with an environment and not force a build provider list/select provider list in the initialize phase, the environment filtering does not happen.

ID	QCCR1D222070 (225115)
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.
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.
Workaround	No workaround available.

Login to consumer organization using SAML is not audited

ID	QCCR1D225885
Problem	Login to consumer organization using SAML is not audited.
Cause	Login event audit happens in IDM code base. This is missing for few login flows when SAML is used.
Workaround	No workaround available.

Cloud Optimizer (CO) Dependency: When the VM is powered OFF, CO is not sending the ideal data points (zero values) to be displayed for Memory & CPU graph in Health tab.

ID	QCCR1D225958
Problem	Missing data points when VM is powered OFF or Suspended.
Cause	Unable to plot the graph for missing data points.
Workaround	No workaround available.

External Pricing - Correct price is not propagated to service in Propel

ID	QCCR1D226057
Problem	Price is visible while ordering catalog item in Propel but when communicating between Propel and CSA, this price is lost. Since propel is creating service subscriptions based on subscriptions in CSA, the price is not visible in Propel either.
Cause	Incompatible interfaces and late implementation of external pricing on Propel side.
Workaround	No workaround available.

IdM Dependency - Async Roster API causing delay in the LDAP sync

ID	QCCR1D227441
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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.
Cause	The sync between LDAP group and CSA takes at least ten minutes based on the number of users in the group. Hence, the login does not happen until the LDAP group is synced.
Workaround	No workaround available.

After creating an org and configuring LDAP, it takes around ten minutes for the user to log in.

ID	QCCR1D227500
Problem	After configuring LDAP, the user login action throws "Access Denied" error. It takes around ten minutes for the user to log in.
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.
Workaround	Wait for ten minutes and try to log in using LDAP user.

CSA46 Patch -> CSA47 upgrade failed

ID	QCCR1D228172
Problem	Cannot log in as admin , when admin user is present in LDAP. hpcloud-idm-service.log contains following error: ... ERROR com.hp.ccue.identity.domain.UserAndRepresentationFactory - Failed to create user admin ...
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
Workaround	Change admin's password in LDAP or in provider-users.properties. For authentication use the password from the provider-users.properties. Alternatively you can remove admin user from LDAP. If you encountered the problem during upgrade, proceed with running the upgrade again.

Health status is not updated for servers deployed on Helion Openstack (HOS) provider.

ID	QCCR1D228220
Problem	Health status is not updated for servers deployed on Helion Openstack (HOS) provider.
Cause	CSA is unable to retrieve the health status since Cloud Optimizer (CO) is not supporting HOS 3.0.
Workaround	It is a product limitation. No workaround available.

IDM service unresponsive after few hours of run. All the threads in IDM blocked during auditing.

ID	QCCR1D228319
Problem	CSA become unresponsive under load and thread dumps contain too many threads blocked on log4j, For example: Thread dumps 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)

	<pre> atcom.hp.ccue.identity.service.IdentityServiceImpl.authenticatePassword(Identity ServiceImpl.java:447) at com.hp.ccue.identity.service.IdentityServiceImpl.authenticate(IdentityServiceImpl.ja va:168) at com.hp.ccue.identity.web.api.IdentityController.authenticate(IdentityController.java :155) </pre>
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.
Workaround	<p>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: idm.csa.audit.retries = 3

SSO between CSA 4.7 and OO 1060 is still works without asking for OO login credentials when tokenGlobalTimeout is elapsed

ID	QCCR1D228421
Problem	When SSO is enabled, Operation Orchestration (OO) does not prompt for login after CSA tokenGlobalTimeout is elapsed.
Cause	SSO configuration differs in CSA and OO and settings is not fully compatible.
Workaround	<p>SSO in CSA is configured in CSA\jboss-as\standalone\deployments\idm-service.war\WEB-INF\hpssoConfig.xml,</p> <p>See tokenGlobalTimeout and tokenIdleTimeout parameters.</p> <p>SSO in OO is configured in OO\central\tomcat\webapps\oo\WEB-INF\classes\lwssofmconf.xml,</p> <p>See expirationPeriod parameter, which corresponds to tokenIdleTimeout in CSA.</p> <p>Check if both values are in sync.</p> <p>However, there is no counterpart for tokenGlobalTimeout in OO.</p>

Creating an organization with name containing Chinese characters via Artifact REST API fails

ID	QCCR1D228422
Problem	REST API fails when creating organization with name containing non-Latin characters (For example: Chinese).
Cause	Names containing non-Latin characters are converted to empty strings.
Workaround	<p>Omit name element from the request message. The name will be generated from display_name element.</p> <p>Alternatively you can create the organization using UI.</p>

Cannot order design with dynamic properties with price when Propel has disabled external pricing

ID	QCCR1D228484
Problem	Orders fail when external pricing is disabled in Propel configuration but Pricing Service is selected in CSA Supplier.
Cause	Propel allows specifying pricing service for suppliers even if catalog pricing is disabled.

Workaround	Set Pricing Service to None in CSA Supplier.
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Create organization artifact REST did not honor group entry specified in request payload

ID	QCCR1D228510
Problem	Groups are not created within create organization REST call.
Cause	Create organization artifact REST ignores group entries specified in the payload.
Workaround	<p>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>

Cannot create group through artifact API using name with non-standard characters

ID	QCCR1D228600
Problem	Cannot use groups in Service Management Console that were created through Artifact API with name containing other characters than alphanumeric and '-'.
Cause	There is no group name validation in Artifact API.
Workaround	Use only alphanumeric characters or '-' for group name when creating group through Artifact API.

Global search/ Elastic Search (ES) from MPP not working in a Linux CSA installation

ID	QCCR1D228619
Problem	Global search from MPP portal does not work in a Linux CSA installation
Cause	CSA Search service fails to update the Elasticsearch indices as a result of which Global search from MPP returns nothing
Workaround	<p>After CSA installation is complete, or after a CSA restart, stop the CSA Search service and restart it manually by following the steps below:</p> <p>If CSA was installed in a location other than /usr/local/hp/csa, adjust the path accordingly.</p>

Able to Delete Organization with Subscriptions

ID	QCCR1D228622
Problem	Able to delete Organization having service subscriptions
Cause	Subscription check missing while deleting an Organization
Workaround	No workaround available.

Transfer ownership request is marked as FAILED, but it passed correctly

ID	QCCR1D228716
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Problem	Transfer ownership operation fails even after the ownership is successfully transferred. It happens only when the user has different name and displayname .
Cause	It is caused by implementation of <code>checkTransferOwnershipResponse.ftl</code> * input message contains user's full name (User15), but user's name (user15) - comparison fails (upper case vs lower case), so request is marked as failed. Input message : <pre> "flatFields" : [{ "id" : "transferTo", "value" : "User15", "type" : "DROPDOWN_LIST" }], </pre>
Workaround	This is not functional problem. Only the message about the result of the ownership transfer is wrong but the transfer is successful. Therefore workaround is either ignoring the "failed status" of the transfer ownership or avoiding usage of the users with different name and displayname .

Installation, Initial Configuration, Upgrade, and Uninstallation

After an HA upgrade, the Elasticsearch configuration file resets and custom changes in the `elasticsearch.yml` file are lost

ID	QCCR1D218883
Problem	Custom changes in Elasticsearch configuration may be discarded during an HA upgrade installation.
Cause	Product defect.
Workaround	Custom changes from upgraded installation are stored in a backup folder in <code>/elasticsearch/config/</code> . Transfer custom changes from the older installation file into the upgraded file.

Log in to MPP using PIV card fails after upgrading from CSA 4.5 to CSA 4.6

ID	QCCR1D219172
Problem	Log in to MPP using a personal identity verification (PIV) card fails after an upgrade from CSA 4.5 to CSA 4.6. This issue is seen only in Linux environments.
Cause	The default HPE SSO value is incorrect in the CSA 4.5 environment prior to the upgrade. The upgrade process does not properly update the <code>idm.war</code> file, resulting in HP SSO not functioning correctly after the upgrade.
Workaround	Edit the <code>idm.war/WEB-INF/web.xml</code> file. Find the section below and change <code>web.xml</code> to <code>hpsssoConfig.xml</code> . and then restart the CSA service: <pre> <listener> <listener-class>com.hp.hpssso.HpSsoContextListener</listener- class> </listener> <context-param> <param- name>com.hp.sw.bto.ast.security.lwssso.conf.fileLocation</param-name> </pre>

	<pre><param-value>/usr/local/hp/csa/jboss- as/standalone/deployments/idm-service.war/WEB-INF/web.xml</param- value> </context-param></pre>
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In Content Store UI, filter box **does not** work for capsules installed from file system or while installing by default using CSA installation.

ID	QCCR1D227552
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. This filtering works only for capsules coming from HPE LN and does not have any effect on capsules installed from local files.
Cause	Filtering for local capsules is not implemented.
Workaround	Not Applicable. Capsules from local files are always displayed. They are appended to the end of the listing.

SAML Authorization will not work for the CSA Provider, if the access control is provided at the Organization Unit (OU) Level.

ID	QCCR1D227598
Problem	The SAML Authorization does not work if the access control is configured with the LDAP sub tree.
Cause	CSA does not support the LDAP sub tree for Access Control (ACL) when SAML is enabled.
Workaround	None

Cloud Service Management Console

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

ID	QCCR1D186068
Problem	When importing an Operations Orchestration flow in the Designs / Topology / Components area of the Cloud Service 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.
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 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.

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 inputs.

Missing String type properties in the **Property Value** text box with Firefox and Chrome browsers.

ID	QCCR1D224553
Problem	When creating or editing a string property on a component type or component template in the Designs / Sequenced / Components areas of the Cloud Service Management Console, the Property Value input may not be visible.
Cause	Product defect.
Workaround	Close the dialog and refresh the current page. Re-open the dialog again.

Featured Category list is blank when an organization is created

ID	CR1D226494
Problem	The Featured Category list is empty for a newly created organization
Cause	The organization data synchronization is not complete after a new organization is created in IDM tables.
Workaround	After the synchronization is completed, the catalogs and featured category list will appear. (~30 seconds)

Source column in Operation Console still points to old Resource Offering and is not replaced with new Resource Offering for **Service Instance Upgrade** phase.

ID	QCCR1D 226184
Problem	In Operation Console for Service Instance Upgrade: 1. Existing actions display name get changed after upgrade 2. Source column shows original Resource Offering display name for upgrading actions instead of its own Resource Offering display name
Cause	If the Resource Offering for upgrade was created by doing save as from the original Resource Offering and Initializing, Reserving, and Deploying lifecycle actions are kept as is, but display name is being modified for them. In that case all the existing actions would get new display name from new Resource Offering.
Workaround	No Workaround is available.

Cannot use 'Look Up User' feature when user search base is not configured correctly.

ID	QCCR1D 227645
Problem	In Cloud Service Management Console under Organizations tile, select your organization-> LDAP configuration page. If user navigates to " Look Up User " button at the bottom of the screen and then provide an 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 ". 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 .
Cause	Product Defect

Workaround	Please check, if the user being searched from Look Up User is part of the group provided in User Search Base field.
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Aggregation Fails when Sequential Design Resource Offering Contains Public Actions

ID	QCCR1D 228391
Problem	It is not possible to aggregate a design that has 'vCenter Simple Compute - Server Flex CPU' and 'vCenter Simple Compute - Server Flex Memory' public actions assigned as User Operations on Resource Offering and used on Component in design.
Cause	Wrong model values containing nulls for the available values on 'vCenter Simple Compute - Server Flex CPU' and 'vCenter Simple Compute - Server Flex Memory' public actions added on resource offering. Also, there is no check for these null values in CSA Adapter when converting to Propel.
Workaround	No workaround available.

Marketplace Portal

HPE Cloud Optimizer (CO) is required for the Monitor Feature function to be realized in CSA 4.7. However, CO will not be released until after CSA 4.7. Support Matrix Needs To Be Updated To Include CO after the release.

ID	QCCR1D227675
Problem	Infrastructure monitoring health status information is not available for infrastructure servers in Market place portal and Server Management Console even after configuring the Cloud Optimizer provider.
Cause	This feature cannot be enabled with the current version of Cloud Optimizer.
Workaround	If you are subscribed for email notifications of CSA 4.7 documentation updates, you will be notified when the CSA 4.7 Support Matrix is updated with information about the supported version of Cloud Optimizer.

Unable to launch MPP ORG created with special character-2894

ID	QCCR1D228293
Problem	Unable to launch MPP ORG created with special character-2894.
Cause	Customers with already existing special character organization names will not be able to access MPP after upgrading to 4.7.
Workaround	Change the organization name – Do not include special characters.

Cannot launch the show performance page using SSO from MPP

ID	QCCR1D228672
Problem	Cannot launch the show performance page using SSO from MPP.
Cause	SSO token is not passed correctly.
Workaround	User can login to Cloud Optimizer manually by entering username and password.

Online Help

Launching help content for adding upgrade path in offerings throws page not found error.

ID	QCCR1D228726
Problem	Launching help content for adding upgrade path in offerings throws page not found error.
Cause	No topic ID is defined for the help icon on that dialog.
Workaround	Open the help and navigate to Deploy > Offerings > Upgradability for a topic on upgradability.

Deprecation Announcements

Delegated topology service components

Delegated topology service components have been deprecated in HPE CSA since version 4.60. A delegated topology service component is only available if you have upgraded from HPE CSA version 4.50 or earlier AND a delegated topology service component was configured in version 4.50 or earlier. Delegated topology service components cannot be created in HPE CSA version 4.60 or later. Sequenced designs with delegated topology service components cannot be created and should not be copied, imported, or cloned in HPE CSA 4.60 or later.

Operations Orchestration version 9.07 support

Support for Operations Orchestration (OO) 9.07 will be deprecated in a future release.

End-of-Support Announcements

“Select Resource Pool from Provider” internal action

The previously deprecated internal action, “Select Resource Pool from Provider,” has been removed. Use the “Select Resource Provider and Pool” action in conjunction with the “Build Resource Provider and Pool List” action in place of this action.

Service Designs and Content Packs

Support for the following service designs and Operations Orchestration content packs has now ended. CSA 4.50 was the last release to support this content. The content will not be available in future CSA releases; instead, use content that is either included as part of the product content Installer or visit the HPE Live Network at <https://hpln.hpe.com/node/143/cc> for the latest content capsules compatible with your environment.

```
CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_ADM_SITESCOPE_UCMDB_v3.20.00.zip
```

```
CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_ADM_v3.20.00.zip
```

```
CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_CUSTOM_PROVIDER_SELECTION_v3.20.00.zip
```

```
CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_DMA_JBOSS_SITESCOPE_UCMDB_v3.20.00.zip
```

CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_DMA_JBOSS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_MT_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_SITESCOPE_UCMDB_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_SOAPV4_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_STANDALONE_DMA_JBOSS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/matrix operating environment/CSA_BP_MOE_COMPUTE_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/network automation/CSA_BP_NA_VIRTUAL_NETWORK_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/openstack/CSA_BP_OPENSTACK_HPCS_COMPUTE_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_ADM_SITESCOPE_UCMDB_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_ADM_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_CASCADED_OPTIONS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_CUSTOM_POOL_SELECTION_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_DEPENDENT_OPTIONS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_DMA_JBOSS_SITESCOPE_UCMDB_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_DMA_JBOSS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_DYNAMIC_OPTIONS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_FAILURE_HANDLING_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_MODIFY_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_SA_SOFTWARE_POLICIES_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_SITESCOPE_MODIFY_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_SITESCOPE_UCMDB_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_STANDALONE_DMA_JBOSS_v3.20.00.zip

CSAKit-4.5/Content Archives/sequenced/vmware vcenter/CSA_BP_VCENTER_COMPUTE_v3.20.00.zip

CSAKit-4.5/Content Archives/topology/amazon ec2/CSA_BP_AMAZON_EC2_INFRA_v4.10.00.zip

CSAKit-4.5/Content Archives/topology/vmware vcenter/CSA_BP_VCENTER_COMPUTE_v4.10.00.zip

CSAKit-4.5/Content Archives/topology/vmware vcenter/CSA_BP_VCENTER_HPSA_LAMP_STACK_v4.10.00.zip

CSAKit-4.5/OO Flow Content/10X/oo10-csa-cp-4.50.0000.jar

CSAKit-4.5/OO Flow Content/9X/CSA-4_10-ContentInstaller.jar

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