vCloud Automation Center Release Notes

vCloud Automation Center 5.1

This document supports the version of each product listed and supports all subsequent versions until the document is replaced by a new edition. To check for more recent editions of this document, see http://www.vmware.com/support/pubs.

vmware®

You can find the most up-to-date technical documentation on the VMware Web site at:

http://www.vmware.com/support/

The VMware Web site also provides the latest product updates.

If you have comments about this documentation, submit your feedback to:

docfeedback@vmware.com

Contents

Release Notes for vCAC 5.1

The following sections present details about defects that are fixed in vCloud Automation Center Release 5.1 and defects currently open. Prior to this release, the product was known as DCAC; therefore, you will see references to DCAC in this document. Contact VMware Customer Support for more information about these defects.

For details about new features and functionality including updates to interoperability available in release 5.1, be sure to read the *vCloud Automation Center What's New Guide*.

Major Defects Fixed in vCAC 5.1

Table 1   Defects Fixed in vCAC 5.1

TFS	Description
46053	[Installation] If SQL Authentication is selected, the Installer should not create a Windows Authenticated Service User in the database. Fixed in this release.
50305	[Installation/Prereq Checker] Because the IIS 6 Metabase Compatibility component is a requirement for running the MSI, the Prereq Checker was updated to require IIS compatibility when only Database is selected.
52426	[Installation] During the vCAC installation, if MSSQL AzMan store type is selected, but the option to create the AzMan store in SQL is not selected, then clicking Next did not go to the next page. This issue is fixed.
48579	[Provisioning] The error message: "Windows could not parse or process unattended answer file [C:\windows\panther\unattend.xml] For pass [specialize] A component or non-list setting is specified more than once in the answer file." no longer appears when you: - Provision a machine where the primary network is static and the secondary is not, and when the VirtualMachine.NetworkN.ProfileName property is used. - Provision a Windows VM by cloning using static IP addresses from a predetermined range.
53592	[Provisioning] In previous releases, when increasing storage sizes the custom properties were ignored. This is fixed in this release. For any affected blueprints, you must edit and save the blueprint after a vCAC upgrade to implement the fix.
42425	[Provisioning/SCVMM] Setting the custom property VirtualMachine.CDROM.Attach to "false" in a blueprint now creates a virtual machine without CD-ROM.
45489	[Provisioning/Xen Desktop] Simultaneous VDI registration no longer fails. This issue is fixed only for Xen Desktop 4.
45514	[Provisioning/Management/Amazon EC2] EBS storage can now be removed in Internet Explorer.

TFS	Description
45641	[Provisioning/Management/Amazon EC2] If a machine is deleted on Amazon, the data in the Amazon model is no longer deleted and the message "Some machine properties cannot be edited at this time due to the machine's current missing status." appears.
50001	[Provisioning/Emails] Improved performance for email resolution was added in this release.
28554	[Configuration/Reservations] Physical machines that are turned off are now correctly shown as unavailable on the physical reservation page.
50278	[Configuration/NetApp] vCAC was updated to support an SSL connection to a NetApp filer endpoint.
53602	[Configuration/Approval] User cannot enter multiple comma separated emails. This issue is fixed in this release.
45130	[Extensibility] The ExecuteSshScript activity no longer logs a KeyNotFoundException after it runs successfully. You no longer need to place this activity in a Try-Catch block, catch the Key-NotFoundException, and log any needed information from the exception.
53257	[Import] Machines that have multiple NICs are now imported.

Known Defects in vCAC 5.1

This section details known defects in vCAC 5.1. Contact VMware Customer Support for more information about these defects.

Installation and Upgrade

Table 2   Known Installation and Upgrade Defects in vCAC 5.1.

TFS	Description
53686	[Installation] When vCAC is deployed in a distributed configuration, to avoid a certificate mismatch the repository host name is specified using the FQDN of the load balanced address. When vCAC and vCACReports sites make requests to the repository, they go to the load balancer and loop back to the initiator which result in a 401 unauthorized by the server. To resolve this issue, go to http://support.microsoft.com/kb/896861 and follow the instructions provided by Microsoft.
53518	[Upgrading] If you are upgrading from version 4.5, you will not be able to delete a provisioning group if there are user log entries tagged to that group.

Machine Provisioning and Management

Table 3   Known Machine Provisioning and Management Defects in vCAC 5.1.

TFS	Description
54494	[Agent] When you select Encrypted on a custom property, the agent automatically creates a new property named <PropertyName>.IsEncrypted. These generated properties are no longer used in version 5.1, are ignored and should not be edited.
54622	[DEM/vCO] When a DEM Worker is stopped, it attempts to cancel any workflows that are currently in progress. If the current workflow is waiting for a long-running vCenter Orchestrator workflow to return, then the DEM is unable to cancel the vCAC workflow and gets stuck in the Stopping state until the workflow completes or an administrator kills the DEM process. The workflow can also be canceled from the vCenter Orchestrator client: 1. From the Run perspective, click the Home tab. 2. Click "Running workflows." 3. Double-click on the name of the workflow you want to cancel. 4. In the list of workflow instances, locate the currently running instance (indicated by a green triangle). 5. Right-click on the running instance and select "Cancel workflow." The workflow is cancelled, allowing the DEM to stop if it is attempting to stop. Note: If a workflow is in progress while the DEM Worker is stopping, it is restarted when the DEM is restarted. To avoid restarting the workflow, allow it to complete, or cancel the workflow and wait for it to fail in vCAC before stopping the DEM.
52845	[Provisioning] If an Enterprise Administrator or a Provisioning Group Manager requests to create a small reservation, for example, with only 5 GB of storage available on two datastores, and you use that reservation in a blueprint that requires more than 5 GB of storage, the error message you receive is misleading. It indicates that there are no reservations available and to speak to your group manager, when it should tell you that there is no room left on your reservation.
53263	[Provisioning] In a high availability environment, with two or more Manager Service hosts behind a load balancer for failover, the Vrm.ProxyAgent.Uri property is set to the host name of the server running the Manager Service at the time of provisioning, rather than the load balancer name. This can cause problems with SCCM provisioning if the Manager Service fails over during provisioning or is in a failed over state during reprovision as the referenced host is unreachable.
54027	[Provisioning] If you specify more than 10 disk properties while using a Windows guest agent, you get the following error and vCAC does not provision the requested machine: "Machine <machine_name>: CustomizeGuestOS : Disks Numbers are not correctly ordered." A disk property is any custom property that starts with "VirtualMachine.Disk".
54482	[Provisioning] If Encrypted is selected for a custom property in the build profile and it is not selected in the approval group, during the approval process the machine gets the unencrypted custom property. To resolve this issue, ensure that Encrypted is set consistently.

TFS	Description
53966	[Provisioning/Multi-Machine Services] While requesting a Multi-Machine Service, the error "Unable to complete the requested operation: The maximum array length quota (16384) has been exceeded while reading XML data. This quota may be increased by changing the MaxArrayLength property on the XmlDictionaryReaderQuotas object when creating the XML reader." appears. To resolve this error, you need to reduce the number of machines you include in a single request or reduce the number of component blueprints in the Multi-Machine blueprint.
54056	[Provisioning/Multi-Machine Services] In a Multi-Machine Service, when there are 100 component machines across 9 multi-machines, a component machine can remain in the TurningOn state. To resolve this issue, you must delete the Multi-Machine Service that has the component machine that is in the TurningOn state.
54641	[Provisioning/Multi-Machine Services] Using a Multi-Machine blueprint, you cannot change the Reservation Storage Policy on individual component machines for vSphere and SCVMM in the vCAC Console or in the Self-Service Portal.
54648	[Provisioning/Multi-machine Services] When creating a vSphere component blueprint, marking a StorageReservationPolicyMode as a prompt user custom property causes an unhandled exception if that blueprint is used as part of a Multi-Machine blueprint. The exception occurs when users request a Multi-Machine service using the Console. To avoid this issue, either use the Self-Service Portal when using this type of Multi-Machine blueprint or do not mark this custom property as prompt user.
54520	[Provisioning/SCVMM] Adding multiple disks for Windows XP, when provisioning via SCVMM, is not supported within vCAC due to Hyper-V restrictions with SCSI drives. To work around this, the user must add the disk manually by using the VMM Console when the VM is powered off. SCVMM will add the disk via IDE, thus allowing you to format the disk within Windows. Next, Run inventory data collection on your compute resource in vCAC to register the new disk in your reservation.
50448	[Provisioning/vSphere] If you start provisioning a machine in vCAC, and before it is completely provisioned you destroy it, the machine may be destroyed/deleted from vCAC without any errors or warnings. In some cases the machine could be deleted from vCenter. However, it may get provisioned in vSphere. To resolve this issue, you must manually remove the machine from vCenter.
50775	[Provisioning/vSphere] Incorrect disk information is displayed on the Storage tab for provisioned clones, but is corrected when inventory data collection runs. However, the correct disk information is displayed in vCenter.
52391	[Provisioning/vCD] When you attempt to provision a machine within a vApp by using a name that already exists in vCD, the provisioning attempt fails. To work around this issue, you must provision the machine in vCD by using a unique name.

TFS	Description
53228	[Provisioning/vCD] Provisioning a vApp may fail with an error in the logs stating "Cannot login to vCloud server" or "Access is forbidden" when multiple concurrent connections are made to the vCloud Director server, for example, when multiple vApps are requested at the same time or when data collection is running at the same time as the request. The vApp may be provisioned in vCloud Director in a "Stopped" state but does not appear in vCAC. If this occurs, re-request the vApp through vCAC and log in to the vCloud Director Web console to dispose of the orphaned vApp.
50277	[Post-Provisioning/Amazon EC2] If consecutive operations are performed on a machine, it is possible that a second operation can be requested before the first operation completes, in which case the "QueueNotFound" error message appears. This behavior could be because the machine is slow to process the operation and the current state of the machine is not known. For example, an error will appear if you turn off a machine and before the machine is turned off you immediately reboot it. To avoid this issue, ensure that each operation has completed before requesting another operation. This behavior might also be because the machine with the Management server is overburdened. In this case, you could add resources or run fewer applications on it or you could install the Manager Service on a system with memory and additional CPUs.
54508	[Post-Provisioning/Multi-Machine Services] When a Multi-Machine Service that contains a cloud blueprint is destroyed, the user is not prompted to delete EBS volumes and they become orphaned. However, the user is prompted when they destroy cloud component machines. To resolve this issue either: - If using the Self-Service Portal remove the EBS volumes from the Multi-Machine Service component machines first. - Offer users access to the Console if use of cloud machines with EBS volumes is commonplace. - Have the EA (not generic admins) check and purge orphaned EBS volumes. - Have users attached the "orphaned" EBS volumes the next time they provision a cloud machine or a cloud machine contained within a Multi-Machine Service.
53497	[Post-Provisioning/SCVMM] If the owner of an SCVMM provisioned VM is changed from within vCAC, the VM owner is not updated in SCVMM and the new owner will not have access to the VM in VMM Console if they do not have SCVMM Administrator credentials. To resolve this issue, an SCVMM Administrator must change the VM ownership manually in SCVMM.
54517	[Post-Provisioning/Multi-Machine Services] In the Self-Service Portal, when removing a component from a Multi-Machine Service, it is recommended that you select Destroy. If you select Remove component, EBS volumes may become orphaned.
52427	[Post-Provisioning/vCD/SCVMM] When you manually expire a vApp or an SCVMM VM that has an archive period defined in vCAC, the machine is not powered off. If vCAC incorrectly reports that the machine has powered off, but it is still on, vCAC fails to destroy the machine. To resolve this issue, you must manually delete the vApp in vCD. The machine/vApp can also be powered off manually in vCD/SCVMM before it is destroyed to prevent errors during deletion.

TFS	Description
53495	[Post-Provisioning/vCD] If a vCAC PGM/Support User changes the owner of a vApp in vCAC, the UpdateMachineOwnerRequest workflow runs successfully, but the owner of the vApp is not changed and the new owner cannot connect to the vApp if they do not have vCD Organization Administrator credentials. To resolve this issue, a vCD Organization Administrator must change the vApp ownership manually in vCD.
52427	[Post-Provisioning/vCD/SCVMM] When you manually expire a vApp or an SCVMM VM that has an archive period defined in vCAC, the machine is not powered off. If vCAC incorrectly reports that the machine has powered off, but it is still on, vCAC fails to destroy the machine. To resolve this issue, you must manually delete the vApp in vCD. The machine/vApp can also be powered off manually in vCD/SCVMM before it is destroyed to prevent errors during deletion.
52808	[Reprovisioning] If you change the datastore in the reservation policy of a disk that was added to an already provisioned VM, when you reconfigure it again, because that disk wasn't in the original blueprint and no longer has the storage reservation policy assigned to it, it doesn't remember what datastore the additional disk was on before the reprovision. Therefore, it gets reassigned to the same datastore as the prime disk.
53760	[Reprovisioning] If you use the VirtualMachine.Storage.Name property to specify a specific location of the configuration file when reprovisioning, this property value is lost and the configuration file is moved to the location of the primary disk. Reprovisioning uses the storage reservation to determine the location of the configuration file that can be updated by data collection. To explicitly override the value of this property, change the storage reservation to the location in the change reservation page before reprovisioning.
53552	[Reprovisioning/vCD] When you reprovision a vApp, the original name of the vApp is reused; however, the name for the component VM is generated with a different name.
50449	[Reconfigure] When a disk reconfigure is scheduled or awaiting approval, the vCAC database is updated before vSphere. Therefore, when deleting a disk it is possible for the disk space in vCAC to appear to be unallocated, while in vSphere the disk space is still unavailable. This results in machine provisioning or machine reconfiguring being allowed by vCAC, but failing in vSphere.
50792	[Reconfigure] When you create a VM snapshot, then delete an additional disk and revert to the previous snapshot, the deleted disk is not restored in vCAC and the Reservation Storage allocated space does not change. To resolve this issue, run data collection.
52716	[Reconfigure] When you provision a multistorage VM with Storage Reconfigure and Snapshot Manager enabled, and then you create a snapshot and attempt to reconfigure storage, a reconfiguration error appears with a WaitForTask ReconfigVM_Task Entity message. This issue appears because vSphere does not support the use of Snapshot Manager and Storage Reconfigure. However, adding or deleting additional storage is supported.

TFS	Description
52789	[Reconfigure] The error message: "Not initialized: vim.vm.device.VirtualDevice device" appears when the state of a VM is "Reconfigure.Waiting.ForRetry." To recover from this error, you must cancel the reconfigure, run inventory data collection, and then reconfigure the VM again. In the event that the machine was powered down when the reconfigure was started, there is no option to cancel the reconfigure. As a work around the machine can be cloned into a template within the vSphere client. This template can be used in vCAC to provision a new machine and restore services. The original machine cannot be removed from vCAC even if it is removed from vSphere inventory. It is skipped in the inventory process because it is in the reconfigure state, and therefore, it is never detected as missing.
52900	[Reconfigure] The option to add custom properties to a new volume during reconfigure using Edit Machine > Add Volume > Edit Properties is not available in this release.
53180	[Reconfigure] When the subject machine's name is included in an automatic email template for reconfigure events, the machine name used is the short hostname and not the result of appending the value of the custom property VirtualMachine.Admin.NameCompletion to //VirtualMachineEx/Name.
54394	[Reconfigure] The Enterprise Administrator user sees the error message in the Log Viewer: "Resource not found for the segment workflowschedules" when a scheduled reconfigure is canceled; however, the scheduled reconfigure is correctly canceled and in the pre-configured state.
54533	[Reconfigure] The size of a master disk cannot be edited after the machine is provisioned when using a FlexClone blueprint.

TFS	Description

54540	[Reconfigure/Self-Service Portal/FlexClone] If you use the Self-Service Portal or the Self-Service menu in the vCAC Console to provision a virtual machine from a FlexClone blueprint and then reconfigure that virtual machine to increase the storage capacity of volume 0, volume 0 retains its original capacity and vCAC adds a volume with the new capacity you specified. For example, if you increase volume 0 from 3 GB to 5 GB, volume 0 remains at 3 GB and a new volume of 5 GB is added. The correct result would be that volume 0's storage capacity increases to 5 GB and no new volume is added.
	
	If the virtual machine has multiple volumes, vCAC also adds another volume for each additional volume; the capacity of the new volume is the same as the original volume. For example, if you increase volume 0 from 3 GB to 5 GB and volume 1 exists with a capacity of 2 GB, volume 0 remains at 3 GB, volume 1 remains at 2 GB, and new volumes of 5 GB and 2 GB are added.
	
	These results apply only to virtual machines provisioned with FlexClone-enabled storage. To reproduce these results, the following conditions must exist when reconfiguring the virtual machine:
	
	· The Enable FlexClone option is selected on the vCAC Administrator > Customization page.
	
	· Two endpoints must exist: a NetApp ONTAP endpoint and a vSphere endpoint.
	
	· The applicable reservation must have the Enable FlexClone option selected on the Enterprise Administrator > Reservations > Resources page. The reservation must be based on the compute resource (or host/cluster of hosts) defined in the vSphere endpoint and found on the vSphere client.
	
	· The applicable FlexClone blueprint must have the following settings:
	    - Platform Type: vSphere (vCenter)
	    - Action: NetApp FlexClone

54572	[Reconfigure] If a user attempts to delete and rename networks in the same request, reconfigure fails with the error "Reconfiguration failed. WaitForTask ReconfigVM_Task Entity,Machine-Name> Invalid configuration for device '0'." To resolve this issue, this type of network reconfiguration changes should be in separate reconfigure requests.
53885	[Reconfigure/Self-Service Portal] If in the Self-Service Portal you select multiple VMs and select Destroy, any machine in the selected list with the Reconfigure.WaitingForRetry status will also be destroyed. Since there is no warning and machines in this state are allowed to be selected, you need to use caution when selecting multiple machines for bulk operations. The Reconfigure Machine section of the *vCloud Automation Center What's New* guide describes how to destroy a VM that is in the process of being reconfigured.
53902	[Reconfigure/Self-Service Portal] To respond to a reconfigure request that was set up in the Self-Service Portal, where the status of the machine is Reconfigure.QueuedForOwner, as the machine's owner, you must go to vCAC Console > Self-Service > My Machines > My Pending Requests, click the arrow to expand the table, locate the machine and select Approve or reject. You can, however, cancel the reconfiguration request in the Self-Service Portal.

TFS	Description
53979	[Reconfigure] Reconfigure email messages display time in UTC; however, that is not apparent in the message. For example, for the Reconfiguration completed notification: Succeeded and the Reconfiguration completed notification: Fail messages, in the email message content, the Request at field displays the time in UTC.
54133	[Reconfigure/Self-Service Portal] A machine can be in a state where the reconfigure of disks is faulty until the next inventory data collection runs if in Reconfigure, you delete a disk and add a new disk at the same time and if the reconfigure either: - Requires approval and the request is rejected by approver - Is scheduled for later and the request is canceled by the requester - Is scheduled for the owner and the request is canceled by the requester or the owner rejects the request.
54170	[Reconfigure/Self-Service Portal] The Self-Service Portal incorrectly allows a user to reconfigure storage for a vSphere machine that was provisioned from a blueprint that was changed after the machine was provisioned. Specifically, if the vSphere blueprint that is used to provision a machine has minimum and maximum ranges set for storage, and that blueprint is edited to remove the maximum, the user can make changes. If the user reconfigures the machine by using the Self-Service option in the vCAC Console, they are not able to make any changes, which is the correct behavior. To ensure that this does not occur, you need to either create a new blueprint, delete the machine, or change the blueprint and provision the machine again. Note that if the minimum in the blueprint is 1 GB and no maximum is set, when a VM is provisioned with 1 disk at 1 GB, the user can add a new disk using the "Add volume" link. When this change is saved, the error message " Capacity (GB) must be greater than 0" appears.
54296	[Reconfigure/Self-Service Portal] If a machine has a status of Reconfigure.WaitingForRetry after a reconfigure failed, and in the Self-Service Portal the user selects the Execute Reconfigure option with a schedule defined, the reconfigure is executed immediately and not according to the schedule.
54377	[Reconfigure/Self-Service Portal] If you configure a Network Profile with any number of IP addresses, and if all of the IP addresses are used up, you will receive the error message "Object reference not set to an instance of an object" if you reconfigure a machine to add it to the network. If you provision a machine, the error message "Error requesting machine. The list of unallocated IP addresses for the network profile ..... has been exhausted." appears. To resolve this issue, you must add an IP address to the Network Range in the Network Profile before you add another machine to the network.
54400	[Reconfigure/Self-Service Portal/Amazon EC2] In the Self-Service Portal, you will see EBS volumes that are not attached included in the number of attached volumes in the Edit view.

Configuration

Table 4   Known Configuration Defects in vCAC 5.1.

TFS	Description
52229	[Blueprints/vSphere] For virtual VSphere/Clone blueprints, on the Build Information tab in the Volumes grid, additional disks can appear. This occurs if a user selects a template or machine in the Clone from field first, then selects another multi-disks template or machine to clone from.
50530	[Blueprints/Linked Clone] For linked clones that are based on snapshots, information about the resources used for snapshots is not collected or stored. To correctly provision a linked clone, you must match the resources the snapshot has (CPUs, memory, disks). You can add more CPU, memory, and disks once the blueprint matches the original snapshot.
53923	[Blueprints/Linked Clones] When using storage reservation policies with a linked clone blueprint, the disk size property needs to be specified and the value of the disk should match the value of the disks in the snapshot.
53924	[Blueprints/Linked Clones] When using a snapshot as a "clone from" in a linked clone blueprint that does not specify the disk size properties, after provisioning the machine the storage summary for the machine does not show the correct total for storage used. This issue is resolved after inventory data collection runs. To avoid this issue, you should use the correct values for the disk sizes in the linked clone blueprint.
52981	[Blueprints/vCD] When you create a new vApp template in vCD, add it to vCAC by using endpoint data collection, create a blueprint by using the new template, return to vCD and delete the template, rerun endpoint data collection, and then try to edit the blueprint this message appears: Service Unreachable A required service cannot be reached at the expected address. Please contact your System Administrator for assistance. Reference error REPO404. To recover from this issue, you must delete the blueprint, which you can only do if there are no other vApps provisioned using this blueprint.
52553	[Reservations] Storage Distributed Resource Scheduler (SDRS) is not supported in this release of vCloud Automation Center; therefore, if you have a cluster/standalone host with SDRS configured and you create a new reservation on that host, you will not see the datastore cluster in your reservation.
50424	[Configuration] Time in vCAC is stored in local times, which requires all machines to be in the same time zone/locale; otherwise, unexpected system behavior can occur.
52099	[Configuration/Website] When using Firefox 15 or Chrome 21 browsers, if you try to delete an object that cannot be deleted, you will receive an error message that includes a checkbox with the option "Prevent this page to create additional dialogs." If you select this option and click OK, the page remains in the loading state and no other actions can be performed. To unfreeze the page, press F5.

TFS	Description
52554	[Configuration/Network] Uploading IP addresses, host names, and statuses from a CSV file on the Network Profiles page results in the host names not appearing on the page. To resolve this issue, host names must be added manually.
52583	[Configuration/Cost] When you enter a cost that is longer than 6 numbers in the Memory Cost, Storage Cost, or CPU Cost fields on the Cost Profiles page, the error, "An error occurred while processing this request" appears. Enter a cost by using 6 or fewer numbers.
53920	[Configuration/vCD] vCAC does not support having both a vCD endpoint using system administrator credentials and an endpoint with organization administrator endpoint configured for the same vCD server at the same time. Therefore, if a user tries to configure both types of endpoints, when the second endpoint is configured the error that appears is "An error occurred while updating the entries. See the inner exception for details. Inner Exception: Cannot insert duplicate key row in object 'dbo.Host' with unique index 'IX_Host'. The statement has been terminated."
54409	[Reservations/Amazon EC2] When you delete a key pair that is currently in-use in a reservation, "Loading" appears and the screen hangs. To resolve this issue, press F5 to refresh the screen.
52848	[Reservations/Network] On Reservation > Resource > Network page, do not select DV-Uplinks to be available, as they appear here incorrectly. If you do select them, this error appears: "The resource vim.dvs.Distributed-Virtual-Port is not available in vim.dvs.DistributedVirtualPortgroup dvSwitch-DV-Uplinks-267. (No free port is available in DVportgroup dvSwitch-DVUplinks-267)" and the VM provision or VM Network reconfigure fails.
54331	[Reservations/Networks] Although assigning a static IP address is not supported for create blueprints, the IP address is allocated (only if network profile is associated with the network in the reservation) and is not available until the machine is destroyed. To avoid this issue, in the blueprint you can specify "VirtualMachine.NetworkN.ProfileName" and not associate the network profile in the reservation. Static IP is supported with all LinuxKickstart create blueprints. Also, with SCVMM, static IP is not supported with Windows, clone or otherwise.
53692	[Reservations] If you add a disk to a VM directly in vSphere, the next time inventory data collection runs, vCAC notices that the VM now has another disk and adds that disk's size to the allocated amount on the datastore. However, because you did not add the disk using vCAC, no check is made as to whether there is room left in the reservation. This results in a condition where you are using more storage capacity than you reserved. You may see warnings on the Reservations page because you have overallocated. If you have an RDM disk, it will show the size of the RDM as if it is allocated, which is not correct.
54443	[Reservations/Storage] The disk property VirtualMachine.DiskN.StorageReservationPolicyMode, when set to NotExact, allows vCAC to ignore an exact match between the blueprint and a reservation during provisioning time. Normally, vCAC searches through a blueprint's reservations for an exact match between their datastores and the volumes and storage reservation policies specified in the blueprint, but NotExact allows vCAC to use a non-matching reservation with sufficient storage capacity.
53778	[Reservations/Storage] Defining multiple storage paths in Change Reservation is not supported in this release.

Extensibility

Table 5   Known Extensibility Defects in vCAC 5.1.

TFS	Description
50175	[Extensibility] If an error occurs during package import, the CloudUtil tool returns the message "command failed." If the package included multiple components, such as assemblies, work-flows, and files, it is possible that not all components were successfully imported and that the database was not updated. To ensure that you can recover from this error, it is important that you back up your database before running a package import.
54617	[Extensibility/vCO] When browsing for vCenter Orchestrator workflows in vCAC Designer, the Select vCenter Orchestrator Workflow dialog box sometimes opens behind the main Designer window. The dialog box retains the focus, so the main Designer window does not respond until you switch to the dialog box.

Infrastructure Organizer

Table 6   Known Infrastructure Organizer Defects in vCAC 5.1.

TFS	Description
52493	[Import/vCD] When you import a vCD endpoint, the Admin Organization name is not populated. This occurs because importing a vCD endpoint is not supported. Therefore, you must manu-ally add the Admin Organization name after import.
52533	[Import] A hard drive that is added to a VM appears in the My Machine page; however, you are unable to edit it because its storage path is missing in the database. To resolve this issue, you must run inventory data collection.

Data Collection and Reports

Table 7   Known Data Collection and Reports Defects in vCAC 5.1.

TFS	Description
46871	[Data Collection/vSphere] If an object, such as network or storage is renamed, removed or unassigned in vSphere, vCAC inventory data collection fails because they are still selected in a reservation in vCAC and cannot be deleted from the database.
54157	[Data Collection/vCD] If this error: "State Data Collection failed for <hostname>, Exception: Object reference not set to an instance of an object." appears, the issue is resolved when the administrator requests a manual inventory data collection.
54430	[Data Collection/vSphere] Adding a second NIC to a VM overwrites the data of the existing NIC during inventory data collection and results in the second NIC being the only network.

TFS	Description
54510	[Reports] Reporting on the Multi-Machine Services object is not supported in the vCAC reports or Dashboard. However, the individual component machines that make up a Multi-Machine Service is reported on.
54511	[Reports] In the Capacity Usage by Compute Resource report, the words "All Hosts" is incorrectly labeled and should be "Compute Resources."

Known Defects in DCAC 4.5 or Earlier

Prior to this release, the product was known as DCAC; therefore, you will see references to DCAC in this document.

Installation and Upgrade

Table 8   Known Installation and Upgrade Defects in DCAC 4.5 or Earlier.

TFS	Description
44140	[Installation] If the Installation fails while installing vCAC to use HTTPS, the IIS bindings must be removed manually. In IIS Manager, select the site, then select **SSL Settings** > **Bindings**. In the Site Bindings dialog box, select the https binding for port 443, click **Remove**, then click **Close**.
43597	If you are installing the Model Manager Data component with SQL-based authorization, you must select the option to create the SQL AzMan store (or have previously created the AzMan store), otherwise installation will fail. If you install the Manager Service without an AzMan store, the Manager Service is installed successfully but will fail upon attempting to start the service. The AzMan store only needs to be created once.
22638	[Upgrade] If a machine request that requires approval is made before an upgrade, but it is not approved until after the upgrade, the machine remains in the AwaitingApproval state. However, the request is not shown to the approver again. To avoid this problem, ensure that there are no machines in AwaitingApproval state—that is, that all outstanding requests are acted on— before beginning an upgrade.

Machine Provisioning and Management

Alerts

- **Alert**: For SCVMM, when creating a SuSE 11 SP2 machine using Linux autoYaST, default boot order has to be changed to boot from the hard drive before booting from the CD Drive. This can done using the hardware profile.

- **Alert:** [Hypervisor provisioning] 'Add to Virtual center' option to add a compute resource is only supported for adding to an existing cluster.

- **Alert:** When reserved storage is allocated, used storage may not be updated immediately due to Hypervisor limitations. The correct value is displayed after the next inventory data collection. This delay may be up to 5 minutes.

- **Alert:** When installing software with BMC BladeLogic Operations Manager or HP Software Server Automation (formerly Opsware SAS), the software may take longer to install than the default 30-minute timeout. If this is the case, you can increase the default timeout to a value that allows the installation to complete.

  1. Navigate to the Manager Service installation directory. Typically, this is **%System-Drive%\Program Files x86\DynamicOps\DCAC Server**.

  2. Create a backup of the following file: **ManagerService.exe.config**.

  3. Edit **ManagerService.exe.config**.

  4. Locate the **workflowTimeoutConfigurationSection** element and increase the value of the **DefaultTimeout** attribute from 30 minutes to your desired limit.

  5. Save and close the file.

  6. Click **Start > Administrative Tools > Services**, and restart the DynamicOps Cloud Automation Center service.

Defects

Table 9   Known Machine Provisioning and Management Defects in vCAC 4.5 or Earlier.

TFS	Description
28129	[Provisioning] The power state of a newly provisioned machine may be incorrectly reported as Off. This can occur if the state of the machine is interrogated after the machine has been created but before provisioning completes and turns the machine On. The power state will be reported correctly after the next data collection is completed.
28599	[Provisioning] The Join a Cluster operation succeeds without error or warning when Apply cluster host profile is selected even when the host profile is not applied because the machine is not compliant with the attached host profile.
39376	[Provisioning] The order in which the Custom properties should be applied is endpoint, reservation, hosts, approval group, provisioning group, blueprint, build profile, runtime. The current order allows the approval group to be the first in the order. Any duplicate custom property in approval group would take highest precedence when the machine goes to approved state.
45611	[Provisioning] A provisioning group manager of multiple provisioning groups can provision a machine from a global virtual blueprint selected for multiple provisioning groups without specifying which group the machine is to be provisioned in.
45613	[Provisioning] If a requested cloned machine is destroyed before provisioning is completed, provisioning continues but the vCAC database entry for the machine is removed, resulting in a machine provisioned by vCAC but not managed by it.

TFS	Description
20691	[Provisioning/FlexClone] When provisioning by cloning using NetApp FlexClone, if the properties Image.ISO.Location and Image.ISO.Name are specified, provisioning fails with the message: Operating system is not found. To resolve this problem, remove these properties from the blueprint or build profile.
27559	[Provisioning/Citrix] When a 32-bit Windows Vista or Windows 7 virtual machine is provisioned by a vSphere agent using Citrix Provisioning Server, the incorrect default network interface card is assigned. To work around this problem, add the VMware.Network.Type custom property to the blueprint or build profile to specify the NIC, for example VMware.Network.Type =e 1000.
41670	[Provisioning/SCVMM] Static IP address assignment for Windows guest OS machines provisioned via cloning is not supported.
43472	[Provisioning/SCVMM] Primary disks for cloned VMs are not given unique names, and retain the names of the VHD from which they are cloned. This issues occurs if you try to migrate the disk of the cloned VM to another location where that disk name is already taken.
44302	[Provisioning/SCVMM] If a virtual machine fails to provision due to network timeout issues, temporary hardware profile or template may not get deleted from the VMM server. vCAC data collection ignores these temporary files and is not affected. To work around this issue, the administrator must manually delete these temporary files by using VMM Console.
45548	[Provisioning/SCVMM] Virtual Machine templates must not have a network adapter or hardware profile attached to them in order for cloning to succeed. If provisioning fails due to this, log in to VM console to remove the association, run SCVMM end point data collection again in vCAC to pick up the change, and rerun provisioning.
43425	[Provisioning/Amazon EC2] When configuring Elastic IPs, the list may show a list of addresses that are assigned to an instance that is being configured, but the workflow is not yet complete; if a request fails, you must resubmit it.
28952	[Post-Provisioning] After the Join a Cluster option to join a Hypervisor-provisioned machine to a cluster is selected, power options and other operations remain available on the machine hover menu while the operation is performed. Do not use these options before the joining operation has completed or it will fail.
42121	[Post-Provisioning/EC2] If an instance is associated with a load balancer and later destroyed, the machine remains associated with the load balancer. To disassociate the load balancer from terminated machines, you must manually remove the association using the AWS console.
42786	[Post-Provisioning/Amazon EC2] When using Red Hat Instances, the device name you attach to the EBS volume gets renamed to a different device name. For example, /dev/sdj could end up as /dev/xvdk. This is not a vCAC issue, but noting it for future handling of this issue. vCAC, similar to AWS Management Console, refers to the device by the name requested instead of its actual device name as used by the Red Hat machine.
43416	[Post-Provisioning/Amazon EC2] To find and associated IP address or load balancer association for an instance, the Admin User can look in the vCAC Administrator's Audit Log Viewer, or they can temporarily add the PGM/Support User to the Admin group so they can look in the vCAC Administrator's Audit Log Viewer.

TFS	Description
43421	[Post-Provisioning/Amazon EC2] If a machine owner provisions a machine and later a PGM or Support User reconfigures that machine to add an EBS volume, the ownership of the EBS volume defaults to the Support User or PGM's account. Additionally, the EBS volume will also have the wrong ownership if the Support User requests an Amazon machine on behalf of a basic user with an additional EBS volume.
44719	[Provisioning/Hypervisor] When performing a Join to a Cluster operation, if you select the Apply Host Profile option, for the operation to be successful, a host profile must have been created and attached to the cluster.
45619	[Post-Provisioning/Hyper-V] vCAC is unable to retrieve the DNS name and IP address of a machine provisioned on a Hyper-V server. If the machine's vCAC name is not the same as its DNS name, vCAC is unable to RDP to the machine.
26372	[Post-Provisioning/vSphere] If a virtual machine that is using a static IP is slow to be disposed of, its IP address may be available for other virtual machine to use before this virtual machine is fully disposed, causing a conflict. To work around this issue, you must manually delete the VM in Virtual Center that took too long to be disposed of.
34384	[Post-Provisioning/vSphere] The Join a Cluster operation to join a Hypervisor-provisioned machine to a cluster fails if the vSphere endpoint representing the VirtualCenter instance containing the cluster was created with Integrated credentials selected.
41931	[Post-Provisioning/vSphere] If a virtual machine is migrated from one compute resource to the other, after the state data collection is run on both hosts, the machine shows up in both compute resources, in the former as missing, and in the new compute resource with the wrong compute resource name. You must manually delete the missing machines from the former compute resource, and then run data collection for the new compute resource.
43357	[Post-Provisioning/vSphere/Snapshot] Storage usage data does not include snapshot disk size.
44364	[Post-Provisioning/vSphere/Snapshot]: The list of available machines in the Snapshot Manager for Linked clones includes expired machines.
28588	[Reprovisioning] If a Hypervisor-provisioned machine is joined to a cluster, then reprovisioned, the Join a Cluster option does not reappear. To avoid this problem, do not reprovision machines that have been joined to clusters. For a potential workaround, contact VMware customer support.
41184	[Reprovisioning] Reprovision in create/cloning stage may fail if a large number of reprovisions are occurring at the same time. The New clone has a different UUID then the original clone, but there could be a timing issue where state data collection can overwrite the new UUID with the old UUID, rendering the machine unmanageable by vCAC.
22247	[General] Daily machine cost in email notifications do not include storage cost, specifically in Reclamation requests.
28536	[General] Selecting all column options on a list page, such as My Machines, may cause Internet Explorer 6 to freeze. If this happens, restart Internet Explorer.

TFS	Description
29130	[Reports] Audit Log reports with a large number of entries do not display. As a workaround, try interrupting page loading while the report is loading and filtering the report by selecting filter parameters.
45615	[Agents] Once a WMI agent has successfully collected data from a machine, that machine is "bound" to that agent and cannot accept remote WMI requests from other agents. To work around this, a) do not use more than one WMI agent per vCAC instance and b) when reinstalling the WMI agent, always use the existing name.

Configuration

Table 10   Known Configuration Defects in vCAC 4.5 or Earlier.

TFS	Description
37166	[Configuration] Setting VMWare.SCSI.Type to 'ide' value (as documented in the vCloud Automation Center Operating Guide) does not work, you must set it to either –busLogic or –lsiLogic.
39332	[Configuration] When an endpoint is created, Endpoint and Platform Type columns on compute resources section of the enterprise group page are blank until the first data collection. For Hyper-V and XenServer compute resources, Platform Type column in the Compute Resources page is blank.
39895	[Configuration/EC2]: In the Compute Resources and Reservations pages, user friendly names for region names do not appear as specified in the AWS Console Navigate control. For vCAC displays Amazon-ap-northeast-1 and should display US East (Virginia).
41491	[Configuration/Amazon EC2] If there are two endpoints created with different AWS accounts, the PGM for one endpoint can access private AMI instances created by other account.
42676	[Configuration/vSphere] Network adapter of type 'Isolated Network' is not supported for vSphere.
44124	[Configuration/PE Builder] When using WinPE Builder, if HTTPS protocol is selected, you will receive SSL certificate authorization errors unless you manually edit the VRMAgent.exe.config file and set trustAllCertificates=" true".
45621	[Configuration/PE Builder] If an invalid output path is specified when using PE Builder, the program becomes unresponsive and must be terminated manually.
44308	[Configuration/Custom Properties Dictionary] Property definition names must be unique. Do not use the same as an existing property name definition.
45172	[Configuration/SCVMM] Custom property names used for provisioning by SCVMM are case-sensitive. When using these custom properties, be sure to enter them exactly as they appear in the Operating Guide.
40158	[Reservations] If a cluster or host is removed from VC, reservations on that cluster are still available to the vCAC Administrator. The work around is to disable the reservation.

TFS	Description
29312	[Reservations/Storage] If storage is disabled after it has been used for provisioning, Storage Allocated % column may not display the correct data.
44260	[Reservations/Storage] If a storage is selected (but not used) in a reservation, it will not be removed from the reservation until it is manually un-checked on the reservation page.
45616	[Reservations/Storage] When a known VirtualCenter host is disconnected in VirtualCenter, the host and its local storage paths remain in vCAC and appear to be available for virtual reservation creation.

Extensibility

Table 11   Known Extensibility Defects in vCAC 4.5 or Earlier.

TFS	Description
25557	[Extensibility/vCAC Designer] Revision time stamps in the Load Workflow window are in UTC instead of the local time zone.
27800	[Extensibility/vCAC Designer] The Print button in the toolbar prints only the portion of the workflow that is displayed in the Designer pane.
30627	[Extensibility/vCAC Designer] After copying several activities within workflows, an OutOfMemory error might appear. When the error occurs, vCAC Designer must be closed using the Task Manager, losing all unsaved changes. When copying and pasting activities in Designer, be sure to save changes frequently.
44376	[Extensibility/vCAC Designer] If an error occurs during vCAC Designer launch, the error message appears behind the splash screen. If you can click OK to close the message dialog and the splash screen continues to display, terminate the CloudUtil process and relaunch Designer.
44924	[Extensibility/vCAC Designer] After clicking Print, canceling printing, and closing a workflow, vCAC Designer buttons are disabled. The workaround is to click on any active element within the UI, including minimizing and maximizing the window.
33674	[Extensibility/Workflow Generator] If the main design window in Visual Studio is selected before the vCAC Workflow Generator Visual Studio is started, pressing the backspace and delete keys affects the main design window even though the focus is on the Workflow Generator wizard.

Infrastructure Organizer

Table 12   Known Infrastructure Organizer Defects in vCAC 4.5 or Earlier.

TFS	Description
28528	Using the Infrastructure Organizer to import a very large number of unmanaged virtual machines at the same time may result in a time out in the console, with only some of the machines imported successfully. If this problem occurs, try importing machines in smaller batches.
42086	Infrastructure Organizer fails to import a virtual machine if another machine with the same name exists in vCAC, even if they exist on different compute resources.
43061	When importing a virtual machine, networks associated with that virtual machine should be selected in the reservation, otherwise it will not be imported.
45614	When assigning an owner to an unmanaged machine to be imported on the Configure Machines page, you cannot select a user who has not yet provisioned any machines; you must enter this user manually. Also, after you first assign an owner to an unmanaged machine, you cannot change the assignment to a user who has not yet provisioned any machines except by canceling the operation and starting over.

Deprecated

- For Deprecated Interoperability support, refer to the Support Matrix.