vCloud Automation Center Release Notes

vCloud Automation Center 5.2

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vCloud Automation Center 5.2 Release Notes

Prior to the 5.1 release, the product was known as DCAC; therefore, you will see references to DCAC and vCAC in this document. For more information, contact VMware Customer Support.

What's in the Release Notes

The release notes cover the following topics:

- What's New
- Resolved Issues
- Known Issues

What's New

Expanded Infrastructure Support

- **Enhanced vCloud Director Integration.** Machine owners can provision a vApp as a single entity, but manage the component VMs individually. The vApp blueprint specifies governance policies for the vApp as a whole (such as how many machines of each type it contains), while the vApp component blueprint specifies policies that control how the machine is provisioned, the resources it can consume, and what management functions users are allowed to perform. Users can connect to virtual machines in provisioned vApps using VMRC and reconfigure vApp component machines. Administrators can also bring existing vApps provisioned in vCloud Director under vCAC management by importing the vApps and assigning blueprints to them.

- **Support for vCloud Director Pay-As-You-Go Allocation Model.** Enterprise administrators can create reservations on VDCs using Pay-As-You-Go, Reservation Pool, or Allocation Pool. Additionally, portions of an organization VDC can now be reserved for multiple provisioning groups rather than each VDC being restricted to a single provisioning group.

- **Support for vCloud Networking and Security (vCNS).** Enterprise administrators can specify a vCNS Manager as part of a vSphere endpoint, enabling vCAC to discover network resources like VXLAN, load balancers, and security groups. They can also specify VXLAN as network paths on reservations. Enterprise administrators or provisioning group managers can specify a load balancer or security groups on blueprints to assign those pools and groups to virtual machines during provisioning.

- **Support for KVM (RHEV) Hypervisor.** vCAC 5.2 introduces support for the KVM hypervisor through Red Hat Enterprise Virtualization Manager 3.1.

Improved Resource Reclamation

- **Improved Workflow Customization.** Enterprise administrators can specify how many days to wait before setting a lease on a machine and the new lease period when sending reclamation requests. Additionally, the provisioning group manager can receive email notifications and respond to reclamation requests in addition to the machine owner.

- **Performance Metrics for vSphere.** Performance data collection gathers information about resource utilization including CPU, memory, disk, and network utilization to assist in identifying reclamation candidates.

- **Additional Platform Support.** vCAC 5.2 introduces support for reclamation of Amazon Web Service (EC2) machines.

Site Recovery Manager Compatibility

- **Enhanced Integration with vCenter Site Recovery Manager.** In release 5.2, vCAC correctly discovers the relationship between the primary and recovery VM.

Internationalization

- **Globalization L0/L1 support.** vCAC 5.2 supports installation on foreign language operating systems as well as input and display of non-ASCII characters for French, German, Japanese, and Simplified Chinese installations.

Installation

- **Support for VMware V8 licensing.** vCAC 5.2 supports standard VMware license keys that you can obtain and manage using the VMware License Portal.

Compatibility

- **Additional Guest Operating System Support.** vCAC 5.2 adds support for the following guest operating systems:

  - CentOS 5.9 (32- and 64-bit)

  - CentOS 6.3 (32- and 64-bit)

  - Windows 8

  - Windows Server 2012

Documentation

- Information about the **vCloud Automation Center Self-Service Portal** is now included in the *vCloud Automation Center Installation Guide*.

- Information about the **vCAC integration with KVM (RHEV)** is in the new *vCloud Automation Center KVM (RHEV) Integration Guide*.

- Information about **vCAC multi-machine services and integration with vCloud Director**, including information formerly included in the *vCloud Automation Center What's New Guide* is in the new *vCloud Automation Center Multi-Machine Guide*.

- Information about **Managing Skills with vCAC Designer**, formerly included in the *vCloud Automation Center What's New Guide* is now included in the *vCloud Automation Center Extensibility Guide*.

- All other information formerly included in the *vCloud Automation Center What's New Guide* is now included in the *vCloud Automation Center Operating Guide*.

Resolved Issues

Table 1   Resolved Issues in vCAC 5.2

ID	Description
54494	[Agent] When you select Encrypted on a custom property, the agent no longer automatically creates a new property named <PropertyName>.IsEncrypted. If these properties were created prior to version 5.2, they will be ignored and should not be edited.
52229	[Blueprints/vSphere] For virtual VSphere/Clone blueprints, on the Build Information tab in the Volumes grid, additional disks no longer appear. This occurred if a user selected a template or machine in the Clone from field first, then selected another multi-disk template or machine to clone from.
52554	[Configuration/Network] Uploading IP addresses, host names, and statuses from a CSV file on the Network Profiles page now results in host names appearing on the page and the host name no longer needs to be added manually.
45172	[Configuration/SCVMM] Custom property names used for provisioning by SCVMM are no longer case-sensitive; however, property values are continue to be case-sensitive.
53265	[Configuration/vCD] vCAC now supports having both a vCD endpoint using system administrator credentials and an endpoint with an 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 this error no longer appears: "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."
46871	[Data Collection/vSphere] If an object, such as a Network Interface Card or storage is renamed, removed, or unassigned in vSphere, vCAC inventory data collection no longer fails and are deleted from the database.
22247	[General] Daily machine cost in email notifications, specifically in Reclamation requests, now include storage cost.
56308	[PEBuilder] If you use PEBuilder from the console, you must include the port in the command. For example, PEBuilder2008.Console.exe /protocol https /vrm-hostname mms-sam11.sqa.local /iso-output-path c:\mms..ISO /plugins-path "c:\Program Files (x86)\DynamicOps\PE Builder\PlugIns" /port 443
56798	[Provisioning/Amazon EC2] When an Amazon EC2 machine is turned on in vCAC, the machine goes into the TurningOn state, the AmazonEC2PowerOn workflow starts, and the machine turns on. There was a problem that occurred when the workflow failed, but the machine remained in the TurningOn state. The Power On operation would then time out according to the Power On timeout in the Manager Service configuration file (2 hours, 10 minutes by default) and the machine's state would be set to On. This has been fixed.
54508	[Post-Provisioning/Multi-Machine Services] When a Multi-Machine Service that contains a cloud blueprint is destroyed, the user is now prompted to delete EBS volumes and the volumes no longer become orphaned.

ID	Description
54517	[Post-Provisioning/Multi-Machine Services] In the Self-Service Portal, when removing a component from a Multi-Machine Service, Destroy is now the only option. The Remove option no longer appears.
54641	[Provisioning/Multi-Machine Services] Using a Multi-Machine Blueprint, you can now 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 no longer causes an unhandled exception if that blueprint is used as part of a Multi-Machine blueprint.
54027	[Provisioning/Guest Agent] You can now specify more than 10 disk properties when using the Windows guest agent.
55734	[Provisioning/vCD] A programmed time out of 10 minutes occurs when provisioning a vApp that requires an extended amount of time to finish cloning. To resolve this issue, a new vCloud activity timeout global property, Activity Task Timeout, was added and affects the timeout for all vCloud activities, such as inventory data collection, power options, and provisioning. The default is 30 minutes and can be changed by the vCAC administrator as required.
50449	[Reconfigure] When a disk reconfigure is scheduled or awaiting approval, the vCAC database is no longer updated before vSphere. Therefore, when deleting a disk it is no longer possible for the disk space in vCAC to appear to be unallocated, while in vSphere the disk space is still unavailable.
52789	[Reconfigure] The error message: "Not initialized: vim.vm.device.VirtualDevice device" no longer appears when the state of a VM is "Reconfigure.Waiting.ForRetry."
52900	[Reconfigure] The option to add custom properties to a new volume during reconfigure using Edit Machine > Add Volume > Edit Properties is now available in this release.
54394	[Reconfigure] The Enterprise Administrator user no longer sees the error message in the Log Viewer: "Resource not found for the segment workflowschedules" when a scheduled reconfigure is canceled.
54533	[Reconfigure] The size of a master disk can now be edited after the machine is provisioned when using a FlexClone blueprint.
53902	[Reconfigure/Self-Service Portal] You can now respond to a reconfigure request that was set up in the Self-Service Portal, where the status of the machine is Reconfigure.Queued-ForOwner as the machine's owner.

ID	Description
54133	[Reconfigure/Self-Service Portal] A machine is no longer in a state where the reconfigure of disks is faulty until the next inventory data collection runs. This fix covers the case where in Reconfigure you delete a disk, 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 no longer allows a user to reconfigure storage for a vSphere machine that was provisioned from a blueprint where the maximum storage was removed.
54296	[Reconfigure/Self-Service Portal] A reconfigure is now executed according to the schedule for a machine that has a status of Reconfigure.WaitingForRetry after a reconfigure failed, and in the Self-Service Portal the user selected the Execute Reconfigure option with a schedule defined.
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 now receive the correct error message: "There is no static ip address available for network profile *'network profile name'*."
54400	[Reconfigure/Self-Service Portal/Amazon EC2] In the Self-Service Portal, the EBS volumes that are not attached are no longer included in the number of attached volumes in the Edit view.
54540	[Reconfigure/Self-Service Portal/FlexClone] When using either 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, the added capacity is now added to volume 0 and a new volume is not added.
53760	[Reprovisioning] If you use the VirtualMachine.Storage.Name property to specify a specific location of the configuration file when reprovisioning, the property value is no longer lost. Data collection consistently retains this value throughout the life of the machine and will be correct during reprovisioning.
53825	[Reservations/Storage] Original issue: If a datastore is unmounted when an inventory data collection is run, and if the datastore has active virtual machines using the storage, the datastore is marked as deleted. If the datastore comes back online and inventory data collection runs, the data store remains offline and is unavailable for new machine requests. Resolution: Storage that is detected as deleted will attempt to be deleted. If the storage is used in a reservation, the storage will be flagged as deleted and a warning message is logged. While the storage is in this state, machines will not be able to be allocated to this storage. If the storage is not used in a reservation, it will be completely removed from the database. If the storage is readded, data collection will either add it back, or identify the storage by a unique identifier and change it from deleted to active, allowing the use of the storage in allocation.

ID	Description
53916	[Reservations/Storage] A storage path can now be renamed. The storage is reconciled by a unique identifier and the name of the storage is updated accordingly. If a hypervisor does not support unique identifiers, the behavior will be the same as the original issue: If a storage path is renamed it appears as new storage and the original name is marked as deleted storage even though they have the same unique identifier. To resolve this issue, the renamed disk needs to be added again and updated in the reservation manually and requires assistance from customer support.
54443	[Reservations/Storage] Original issue: 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. Resolution: Allocation has been revised to attempt all reservations in exact storage policy mode first and only attempts NotExact if none of the available reservations exactly match storage and there are storages marked for NotExact policy matching.
53400	[SCVMM, vSphere, vCD] Changes were made to correct all of the templates that an Enterprise Administrator and a Provisioning Group Manager can see. vSphere: EA can only see templates of hosts he manages. PGM can only see templates of hosts that have reservations he manages. SCVMM: EA can only see templates of endpoints that have hosts he manages. PGM can only see templates of endpoints that have hosts that have reservations he manages. vCloud: EA can only see templates that have an organization that belongs to an endpoint of which he manages a host with the same organization name and the same endpoint as the template (or the vCloud organization is public). PGM can only see templates that have an organization that belongs to an endpoint of which he manages a reservation of a host with the same organization name and the same endpoint as the template (or the vCloud organization is public).
52700	[vCD] "Connect using RDP or SSH" is now hidden for vCloud blueprint on the Security tab and is not supported for vCD.
53659	[vCD] The error message that appears when you attempt to create a vApp from a non-published catalog item was improved. It now indicates: Workflow "vCloudCloneVM" failed with the following exception: The vAppTemplate [name] could not be found on the compute resource [name] for [name].

ID	Description
53985	[vCD] The error message that appears when entering credentials that do not have vCD access permissions has been changed to be more accurate: Workflow "vCloudEndpointDataCollection" failed with the following exception: Cannot connect to vCloud serverUrl[URL], userName:[user name], org:[org name]. Please verify endpoint and credentials. Inner Exception: The given header was not found.
54926	[vCD] Endpoint inventory data collection no longer causes blueprints that use a public vCD template to be inaccessible after data collection completes.
55596	[vCD] vApp custom properties are now updated when a VM is reconfigured in vCD and inventory data collection is run.
56074	[vCD] Endpoint data collection no longer fails when the vCAC database name contains a space.
56755	[vCD] All vCD templates are now collected and displayed in vCAC even if there are more than 25 templates.
57198	[vCD] If a template is created using the same name as a deleted template, the old template is now removed from the database.
57428	[vCD] You can now delete a vApp template after data collection is run and any blueprint associated with that template will be disabled.
53495	[Post-Provisioning/vCD] If a vCAC PGM/Support User changes the owner of a vApp in vCAC, the UpdateMachineOwnerRequest workflow now runs successfully, and the owner of the vApp is changed and the new owner can successfully connect to the vApp.

Known Issues

This section details known issues in vCAC 5.2. Contact VMware Customer Support for more information. You can also search for solutions to problems in the VMware knowledge base at http://kb.vmware.com.

Installation and Upgrade

Table 2   Known Installation and Upgrade Issues in vCAC 5.2

ID	Description
59057	[Configuration] Model Manager Data configuration fails if the machine name contains non-ASCII characters. When vCAC is installed, all names must be entered by using only ASCII characters.
59056	[Configuration] Model Manager Data configuration fails if the domain name contains non-ASCII characters. When vCAC is installed, all names must be entered by using only ASCII characters.
53511	[Installation] If VMware Tools are already installed on a VM, vCAC mounts the VMware Tools ISO but the upgrade does not run. To work around this issue, you must log in to the VM and manually upgrade VMware Tools.

ID	Description
55655	[Installation] When running the DEM installer, the Service Configuration page includes the option "Register Distributed Execution Service," which is no longer required for installation and should be cleared; otherwise, the installation will not proceed.
56060	[Installation] When VCAC-Setup.exe is executed with UAC enabled or disabled, if you right-click and select Modify in Maintenance mode and attempt to deselect the Manager Service feature, the cancel dialog appears. If you decide not to cancel, you need to click No twice before it continues.
59115	[Installation/EPI If you are installing the EPI agent for Citrix Provisioning Services Console PVS 6.1 version of the Console x86/x64 console version number: 6.1.0.1057, the installer displays a warning that this version does not work; however, it does not stop the installation. This version and any previously supported versions are okay to install.
59114	[Installation/VDI] If you are installing the VDI agent for XenDesktop for the Citrix XenDesktop 5.6 SP1 version of the Citrix Broker Powershell Snap-In, x86/x64 snap-in version number: 5.6.0.33, the installer displays a warning that this version does not work; however, it does not stop the installation. This version and any previously supported versions are okay to install.
56832	[Designer/CDK] When vCAC Designer/CDK is uninstalled, the old CDK assembly cache is not deleted. When upgrading to a new version of the Designer, the old cache includes the older DLLs. This results in errors and compatibility issues between the old cache and the new Designer. To resolve this issue, you must delete the cache manually, located at %APPDATA%\VMware\vCloud Automation Center Designer\AssemblyCache, and then reopen the Designer to repopulate cache.
58804	[Migration] If you are using a session state database, you must select Web Farm Setup on the vCAC Web Site Configuration page and specify the name of the session state database, which is stored in the DCAC web.config file located in C:\Program Files (x86)\DynamicOps\DCAC Server\Website from the 5.1 installation.
58859	[Prerequisite Checker/Windows 2012] The Prerequisite Checker displays the SeBatchLogon-Right" as "Not Granted" even after it is added to the Local Security Policy. If you are sure it was added, you can ignore the status.
55784	[Upgrade] During an upgrade, customizations are not preserved; therefore, you must rerun any customizations scripts after an upgrade.

Machine Provisioning and Management

Table 3 Known Machine Provisioning and Management Issues in vCAC 5.2

ID	Description
57276	When using WinPEBuilder to create an ISO image, if the language used to define the ISO output path and name is not the same as the operating system's language, an error message appears and the ISO file is not created.

ID	Description
58665	[CDK/Designer] To install CDK/Designer, .NET Framework v4.5 is required. If you attempt to install the CDK/Designer with .NET 3.5 installed, the error message incorrectly states that the version of .NET Framework should be v4.0 or later. If you attempt to install with .NET Framework 4.0, the installation fails and an exception error appears in the log file.
55567	[General] Google Chrome browser's security settings do not allow you to work with the clipboard; therefore, Copy and Cut are disabled. This is a known issue: http://www.devexpress.com/Support/Center/p/B222423.aspx.
57032	[Gugent] The System Preparation Utility for Windows (SysPrep) fails if it encounters non-ASCII characters (such as Chinese characters) while preparing a reference machine that has a Windows XP, Windows Server 2003, or Windows Server 2003 R2 operating system. This issue does not exist when the reference machine has a newer Windows operating system.
58090	[Gugent] If communication fails between the vCAC server and the guest agent (gugent) running in WinPE, the error is logged but the WinPE console does not indicate what has failed. The only indication to the user that something is wrong is that the provisioning status remains stuck at "Setup OS." The error is logged in the gugent-axis2.log file located in C:\VRMGuestAgent\axis2\logs on the guest machine.
55337	[Provisioning] If you expect to provision 15 machines and you use a prefix that has one digit, when the machine count reaches 10, allocation does not fail and machines 10-15 are created using duplicate names. To avoid this issue, ensure that you use a prefix with enough digits to accommodate the number of machines you expect to provision.
55370	[Provisioning] When you create a VM from a blueprint that includes a runtime custom property, when you re-register the VM by changing the reservation, the default value of the runtime custom property in the blueprint overrides the property that already exists on the VM. To workaround this issue, you can remove the runtime check on all properties you want to preserve, re-register the VM, and then change the properties back to runtime.
55437	[Provisioning] When you request a reboot for SUSE 11 SP2 using the vCAC machine action menu, the operating system prompts for a password, and fails after a few minutes with the message: "Workflow "HpIloReboot" failed with the following exception: Object reference not set to an instance of an object.". This issue does not occur on SUSE 11 SP1. To avoid this issue, perform reboot and shut down operations from the SUSE console.
55675	[Provisioning] When you try to provision a virtual machine on a datastore that is mounted to only one host in the cluster, the error message "CloneVM : Sequence contains no matching element." appears and does not describe the issue. The message should be "Clone VM: Provision failed on datastore [...]. Datastore should be mounted to all hosts in the cluster."
55737	[Provisioning] The Encrypted option is not supported for the custom VM property "VirtualMachine.Storage.Name". If it is selected, the request is rejected and the error message: "Unable to complete the requested operation: Error requesting machine. Allocate reservation operation failed. Error: Unable to allocate storage request for data stores [encrypted name] on reservation [name]." appears. To successfully submit a previously failed request, you must clear the Encrypted option on that property and re-enter the value.

ID	Description
55855	[Provisioning] If you run inventory data collection and state data collection simultaneously, the machine's data might be updated incorrectly. You must wait for one to finish before running the other.
56307	[Provisioning] On Windows, when you clone a template with the guest agent configured to execute; the guest agent will be uninstalled, but it appears to be running in Windows until you reboot.
57892	[Provisioning] When a user requests a linked clone machine and receives this error message: "Object reference not set to an instance of an object" the issue may be caused by the original machine being reprovisioned and it does not have the snapshot used for the linked clone.
58449	[Provisioning] If you update endpoint credentials from vCAC Administrator > Endpoint, the new credentials do not take effect until the endpoint is resaved or the agent in restarted.
58791	[Provisioning] vApp deployment fails if the case of the database name and the database server do not match across services. The error message "System.Data.EntityException: The underlying provider failed on Open. ---> System.InvalidOperationException: Transactions with IsolationLevel Snapshot cannot be promoted." appears. When installing vCAC, the case of the database name and the database server must be consistent across all services.
58844	[Provisioning] If the custom property, VirtualMachine.NetworkN.Name property is encrypted, its value is ignored when attempting to provision a machine To avoid this issue, do not encrypt the VirtualMachine.NetworkN.Name property.
58910	[Provisioning] If you provision a VM by using vCAC and ensure that it is the only VM on your selected datastore in your reservation, when you migrate the VM's disks to another enabled storage in your reservation, when you run data collection, vCAC reports that the disks are allocated on this new storage. If you then attempt to remove the old datastore from your reservation, you get an application exception in the UI. To avoid this issue, instead of trying to delete the datastore on the reservation, you must disable it if you do not want it to be used.
58914	[Provisioning] If a host is renamed, an "object reference not set" error occurs during state data collection. To resolve this issue, run inventory data collection.
59019	[Provisioning] Time on the Enterprise Machine page is shown in GMT and not the time local to the user.
58750	[Provisioning/Blueprints] If you are using Internet Explorer version 8, 9 or 10, the Name and Description text fields in Manage Property Sets in Build Profiles do not display correctly. However, if you enter data in the fields, the text area expands.
58969	[Provisioning/Hyper-V] When you add a NIC to a VM on Hyper-V and then run inventory data collection, the added NIC is not collected.
58974	[Provisioning/Hyper-V] When you remove a disk from a VM on Hyper-V and then run inventory data collection, the VirtualMachine.Disk1. properties are not deleted.
59060	[Provisioning/Hyper-V] VM creation fails if the network path contains non-ASCII characters. You must enter the network path by using ASCII characters.

ID	Description
58775	[Provisioning/KVM] If you enter an invalid KVM endpoint address or invalid credentials and run state data collection, the error message: "State Data Collection failed for host Default, Exception: One or more errors occurred." appears, but does not provide additional information.
58777	[Provisioning/KVM] The custom property VirtualMachine.Network#.Name is case sensitive. For example, if you specify "VirtualMachine.Network0.name" where name is lowercase, the VM will be provisioned but without a NIC.
58826	[Provisioning/KVM] Inventory data collection erases storage path information on virtual machine.
58827	[Provisioning/KVM] If you move your VM from its original cluster to a new cluster, vCAC might incorrectly report it in the Missing state. To resolve this issue, expand the reservation to include both clusters or move the VM back to its original cluster.
58829	[Provisioning/KVM] When using the custom property VirtualMachine.Admin.OverrideVncConsole=true, the option Show Console Ticket is available, but should not be since it is not available when using a Spice console.
58832	[Provisioning/KVM] If you delete a datacenter in KVM, the compute resources associated with it still appear in vCAC.
58882	[Provisioning/KVM] The best disk format to use with KVM is VirtIO; however, the drivers for Windows and WinPE Builder must be download from the Web and injected into the WinPE Builder and any necessary WIMs.
58909	[Provisioning/KVM] If you provision a VM on KVM though vCAC and migrate the disk of the VM to a storage not selected in your reservation, when you run data collection and check your reservation you will see that the reservation still reflects the VM as allocated, but the VM is not reflected on any of the datastores. To avoid this issue, if you are migrating a disk you must ensure that the storage you are migrating it to is selected in your reservation.
55496	[Provisioning/Multi-Machine Services] When provisioning a multi-machine services, if any one of the component machines requires more than 30 minutes to provision, the multi-machine service fails to provision. To work around this issue, you must 1) change the AppServiceInitializeProvisioning option to a time longer than 30 minutes in ManagerService.exe.config, and 2) set the MultiMachine.Provision.TimeoutInSeconds custom property on the multi-machine blueprint to a longer than 30 minutes.
58160	[Provisioning/PAYG] For Pay-As-You-Go reservations, the memory and storage can be unlimited if no limits are placed in the Resources tab; however, you are always able to configure alerts on the Resources tab in the vCAC Console. For any resources that are unlimited, an alert will not be triggered since the thresholds cannot be met.
56413	[Provisioning/SRM] When moving a VM into test, recovery or reprotect mode, vCAC does not properly recognize the move. To successfully perform these machine operations, you must use Change Reservation. If you are moving a VM into test mode, it is possible that even if you use Change Reservation, vCAC can still have an issue.

ID	Description
56131	[Provisioning/vCD] When a vCAC vCloud timeout global property is set to timeout before the vCD has enough time to provision a vApp, vCAC destroys the vApp; however, the vApp is still on the vCD server and is seen as an unmanaged machine by data inventory collection. For vCAC to destroy the vApp on the vCD server, it must have the unique id of the vApp. If the timeout occurs before vCAC has this id, it cannot remove the vApp from vCD. To resolve this issue, you must remove the vApp from vCD.
56160	[Provisioning/vCD] State data collection may fail due to the endpoint credentials being denied access. A warning message appears in the Log Viewer: "State Data Collection failed for host [name] vDC for [name], Exception: Object reference not set to an instance of an object." After the warning, data collection reports that it was successful.
56970	[Provisioning/vCD] The reprovision option is not available on a vApp.
57014	[Provisioning/vCD] Some vApp audit log messages refer to vApp Master, and when a vApp is provisioned or has its lease changed the message refers to Multi-Machine Services; however, the rest of the message is correct.
57751	[Provisioning/vCD] vApps and component VMs that are in the partially running state in vCD appear in the "OFF" state in vCAC.
57772	[Provisioning/vCD] You cannot add a network to a vApp in the Self-Service Portal, although it appears as being available.
57940	[Provisioning/vCD] If endpoint data collection is in progress and another data collection is initiated, it is possible that the subsequent data collection fails and it appears to be always in the queue.
58756	[Provisioning/vCD] If a vApp is destroyed or if it expires while a reconfigure request approval is pending, the machine is marked as missing and the error message: "Machine [name:] an error occurred while disposing the virtual machine. The virtual machine might not have been deleted on the endpoint." appears. However, you can ignore this message since the vApp is successfully deleted from vCD.

ID	Description

58053	[Provisioning/vCD] VMware recommends using vApp component blueprints based on the hardware requirements of the vApp template used for cloning.
	
	Consider what happens when you use the same vApp Component (vCloud Director) blueprint to provision virtual machines that have different hardware requirements. Let's start with a vApp Component (vCloud Director) blueprint named vappcompbp1 that specifies 1 GB memory and 10 GB storage. Assume you plan to clone from a vApp template that specifies two virtual machines, one requiring 1 GB memory and 10 GB storage (template name: vappVM1_10), and the other requiring 2 GB memory and 20 GB storage (template name: vappVM2_20).
	
	1. You create a vApp (vCloud Director) blueprint and select the vApp template to clone from.
	
	    The Component machines grid is populated with the virtual machine templates vappVM1_10 and vappVM2_20.
	
	2. You assign the component blueprint vappcompbp1 to both virtual machine templates in the Component machines grid and save the vApp (vCloud Director) blueprint.
	
	3. You then request a machine using the new vApp (vCloud Director) blueprint.
	
	    The Confirm Machine Request page appears, displaying the virtual machine templates vappVM1_10 and vappVM2_20. Both vm templates are associated with the component blueprint vappcompbp1.
	
	4. You click on vappVM1_10 and on the Request Information tab, you see 1 GB memory and 10 GB storage.
	
	5. You click on vappVM2_20 and on the Request Information tab, you also see 1 GB memory and 10 GB storage.
	
	Note: vCAC will use the template's hardware requirements of 2 GB memory and 20 GB storage when provisioning this virtual machine, not 1 GB and 10 GB as specified by the component blueprint.
	
	To avoid seeing misleading hardware requirements on the Confirm Machine Request page, you should always assign vApp Component (vCloud Director) blueprints to matching virtual machine templates in the vApp (vCloud Director) blueprint.

58093	[Provisioning/vCD/Multi-Machine Services] When a vApp or a Multi-Machine Service fails to build, the resulting email does not include the list of component machines and the link includes an extra slash, "/", that needs to be removed for the link to work.
58152	[Provisioning/vCD] When security options on a vApp blueprint are changed, changes are not made to the component machines in the vApp. For example, in the vApp (vCloud Director) Component blueprint A, the user is allowed to power off their systems but in the vApp (vCloud Director) blueprint the PGM disabled that ability. The security setting is not trickling down and machines provisioned with vApp (vCloud Director) Component blueprint A the users will be able to power off the system. To resolve this issue, the PGM has to disable the setting in both blueprints.
58834	[Provisioning/VCD] When you change resources in vCD, you must manually run endpoint data collection.

ID	Description
59029	[Provisioning/vCD] If a vApp has an archival period specified and the lease expires, the vApp remains as expired but the component VM's state is not changed to "Expired".
56134	[Provisioning/vSphere] When vSphere access is set to cluster level and not global level, the exception: "System.NullReferenceException: Object reference not set to an instance of an object" appears. To work around this issue, you must set vSphere access to global and Data-center is a required permission.
58891	[Provisioning/vCD] During provisioning, vCAC sets up the vApp owner on a vApp in vCD. If the owner of the vApp does not exist in vCD records under the organization where vApp is provisioned, a user record is created in vCD with Console Access only rights. The use record can only be created if the user exists in the LDAP mapped to the organization where the vApp is provisioned.
58836	[Provisioning/WIM] If installing vCAC on Windows 2012 you must first make a change in: c:\program files (x86)\VMware\vCAC\PE Builder\Plugins\VRM Agent\VRMGuestAgent\doagent-template.bat. On the third line of the doagent-template.bat file, after s_client, add -tls1, which allows it to run.
59059	[Provisioning/WIM] WIM provisioning fails with a Java Script runtime error if Sysprep.Identification.JoinDomain contains non-ASCII characters. Sysprep.Identification.JoinDomain must contain only ASCII characters.
55663	[Reconfigure] The message "Unable to allocate storage request for data stores [name] on reservation [name]." appears during the reconfigure of a VM, even though there is storage available on the reservation. This occurs because of the order in which vCAC processes the deletion and addition of storage when it is in a single reconfigure request. For example, you could have a reservation for a datastore set to 34 GB, and a VM provisioned for 23 GB, 3 GB on one disk and an additional 20 GB on another disk. If you want to change the allocated space from the originally provisioned 23 GB to 18 GB, you must submit the request to delete 20 GB and then you can submit a request to add 15 GB. If the request to delete and add are on the same request, for this example, the deletion of 20 GB does not occur until after the 18 GB is added, which results in the request requiring 38 GB when you only have 34 GB available. The reason the original storage is not deleted is to ensure that it is still available to you should your request be denied.
53885	[Reconfigure/Self-Service Portal] If in the Self-Service Portal you selected multiple VMs and selected Destroy, any machine in the selected list with the Reconfigure.WaitingForRetry status was also destroyed. 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.
55264	[Self-Service Portal] If you are using Firefox version 17.01 or earlier, and you experience any issues when using the Self-Service Portal, you should upgrade to a later version of Firefox.
59065	[Self-Service Portal] If your database name contains a space, the portal fails to launch and a 404 Service unreachable error appears. The exception message, "Format of the initialization string does not conform to specification starting at index 86.'. See server logs for more details." appears, but does not provide specific details.

ID	Description
59068	[Self-Service Portal] If the Self-Service Portal is uninstalled and then reinstalled, the installation succeeds, but the portal cannot be accessed if the vCAC-SelfService-Setup.exe was run by a user other than the service user. To resolve this issue, you must install the Self-Service Portal as the service user by either logging into the machine as the service user or by right-clicking vCAC-SelfService-Setup.exe and selecting Run as a different user and log in as the service user.
56929	[Snapshot] If you request a snapshot on a machine that is not connected to a server, the message "Snapshot operation failed: Unable to communicate with the remote host, since it is disconnected." appears. When you restart the server and request a snapshot, the message "A snapshot operation is currently in process for this machine." appears and you cannot create a snapshot. To resolve this issue, the failed workflow must be cleaned up in the database. For assistance, contact VMware Technical Support.
55356	[SuSE 11 SP2] When creating a SuSE 11 SP2 machine using Linux autoYaST, the default boot order is to reboot the VM and the boot from the CD, which results in an install/reboot loop. To resolve this issue, you must manually eject the disc before the final reboot so that the OS boots as expected off of the C: drive and the machine powers on in vCAC.
	[vCenter] Windows 8 and Windows Server 2012 customization only works on vCenter 5.0 update 2. It does not work on releases earlier than vCenter 5.0 update 2 and it does not work on vCenter 5.1. Contact VMware Customer Support for more information about when this issue will be fixed in vCenter.
59022	[vCNS] If you have duplicate load balancer backend pools listed in your custom properties, vCAC attempts to register the VM in each pool, including the duplicates. This causes the VM to fail to provision, since it will try and register the VM in a pool where it has already been registered. The log error "Machine <machine_name>: Failed to assign one or more network and security settings. Error: "Response status code indicates failure: Bad Request. Response message: {"errorCode":14530,"errorData":null,"details":"[LoadBalancer] There are over two backend members which are duplicated, the IPAddress is : <IP_Address>","rootCauseString":null,"moduleName":"vShield Edge"}." appears. To resolve this issue, do not have duplicate load balancer pools listed in your custom properties.

Known Issues in vCAC 5.1 or Earlier

This section details known issues in vCAC 5.1 and earlier releases. Contact VMware Customer Support for more information. Prior to this release, the product was known as DCAC; therefore, you will see references to DCAC in this document.

Installation and Upgrade

Table 4   Known Installation and Upgrade Issues in vCAC 5.1 or Earlier

ID	Description
53686	[Installation] When vCAC is deployed in a distributed configuration, to avoid a certificate mis-match 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.
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	[Installation] 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 5   Known Machine Provisioning and Management Issues in vCAC 5.1 or Earlier

ID	Description
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.

ID	Description
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.
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.
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.
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.
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.

ID	Description
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.
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.
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 host name and not the result of appending the value of the custom property VirtualMachine.Admin.NameCompletion to //VirtualMachineEx/Name.
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,MachineName> Invalid configuration for device '0'." To resolve this issue, this type of network reconfiguration changes should be in separate reconfigure requests.
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.
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.

ID	Description
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.
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 endpoint 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.

ID	Description
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.
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.

ID	Description
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.
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 6   Known Configuration Issues in vCAC 5.1 or Earlier

ID	Description
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.
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.
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.

ID	Description
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.
53778	[Reservations/Storage] Defining multiple storage paths in Change Reservation is not supported in this release.
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.
45621	[Configuration/PE Builder] If an invalid output path is specified when using PE Builder, the program becomes unresponsive and must be terminated manually.

ID	Description
44308	[Configuration/Custom Properties Dictionary] Property definition names must be unique. Do not use the same as an existing property name definition.
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.
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 7   Known Extensibility Issues in vCAC 5.1 or Earlier

ID	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, workflows, 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.
25557	[vCAC Designer] Revision time stamps in the Load Workflow window are in UTC instead of the local time zone.
27800	[vCAC Designer] The Print button in the toolbar prints only the portion of the workflow that is displayed in the Designer pane.
30627	[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	[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	[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.

ID	Description
33674	[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 8   Known Infrastructure Organizer Issues in vCAC 5.1 or Earlier

ID	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 manually 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.
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.

Data Collection and Reports

Table 9   Known Data Collection and Reports Issues in vCAC 5.1 or Earlier

ID	Description
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.

ID	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."

Deprecated

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