

Using Database Views

vCenter Server 4.1

This document describes the relationships of the database views that are provided in your VMware vCenter Server 4.1 database. This document does not describe how to create or use database views.

IMPORTANT The procedures are intended for database administrators. Do not attempt to perform the tasks that are outlined in this document if you do not have database administrator experience.

IMPORTANT The following database views might not contain up-to-date data in the future because non-SQL databases are being considered for the data storage currently present in these views. Various ETL type scripts are being investigated to recreate the views from the non-SQL database. You can choose to deploy the scripts for backward compatibility, but the SQL tables filled in by these scripts might not continuously update. Modify your code to retrieve data from officially supported VIM API or PowerCLI instead of from database views.

With these database views, you can view VMware vCenter Server data stored in the vCenter Server database. VMware vCenter Server supports the following views:

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vpxv_FarmGroups

This view describes the farm groups in vCenter Server. Only one farm group is the root farm group. The root farm group does not have a parent.

Object	Object Description	Type
FarmGroupID	The ID of the FarmGroup.	INT
Name	The name of the FarmGroup.	VARCHAR (255)
ParentID	The ID of the parent FarmGroup. A foreign key to vpxv_FarmGroups.FarmGroupID.	INT

vpxv_VMGroups

This view describes the virtual machine groups in vCenter Server.

Object	Object Description	Type
VMGroupID	The ID of the VMGroup.	INT
Name	The name of the VMGroup.	VARCHAR (255)
ParentID	The ID of the parent VMGroup. A foreign key to vpxv_VMGroups.VMGroupID. This object is null when current VMGroup is the root.	INT

vpxv_Entity_MOID

This view describes the relationship between entities in vCenter Server and their associated managed objects.

Object	Object Description	Type
EntityID	The ID of the entity.	INT
MOID	The ID of the managed object.	VARCHAR (255)
Entity_Type	The type of the entity.	VARCHAR (30)
Parent_Entity_Type	The name of the parent entity.	VARCHAR (255)

vpxv_Entity

This view describes all of the entities in vCenter Server.

Object	Object Description	Type
ID	The ID of the entity.	INT
Name	The name of the entity.	VARCHAR (255)
Type_ID	The ID of the entity type.	INT
Parent_ID	The ID of the entity parent.	INT
Parent_Type_ID	The type of entity represented by the Parent_ID	INT

vpxv_Hosts

This view describes the hosts in vCenter Server.

Object	Object Description	Type
HostID	The ID of the host.	INT
Name	The name of the host.	VARCHAR 255)
FarmID	The ID of the farm. A foreign key to vpxv_Farms.FarmID.	INT
Port	The port number that is used to connect to the host.	INT
UserName	The user name that is used to connect to the host.	VARCHAR (255)
Enabled	An indication of whether vCenter Server will connect to the host upon vCenter Server start-up. The flag values are 1 if vCenter Server will connect to the host at startup or 0 if it will not.	INT
Host_Vendor	The name of the host vendor.	VARCHAR (255)
Host_Model	The model name of the host.	VARCHAR (255)
CPU_Model	The model name of the host's CPU.	VARCHAR (255)
CPU_Count	The number of CPUs for the host.	INT
CPU_Core_Count	The total number of cores per CPU.	INT
CPU_Hz	The frequency at which the host CPUs run.	INT
Mem_Size	The total memory size for the host in bytes.	INT
Boot_Time	The starting time of the most recent host boot.	DATETIME
Datacenter_ID	The ID of the datacenter.	INT
Password	The user password of the host.	VARCHAR (686)
Password_Last_UPD_DT	The most recent date of the password update.	DATETIME

Object	Object Description	Type
vMotion_Enabled	The flag field that indicates if vMotion is enabled.	INT
CPU_Thread_Count	The number of CPU threads.	VARCHAR (255)
CPU_Power_MGMT_Policy	The CPU power management policy.	VARCHAR (255)
CPU_Power_MGMT_Support	The CPU power management support.	VARCHAR (255)
DNS_Name	The DNS name of the host.	VARCHAR (255)
Product_Name	The product name of the host.	VARCHAR (255)
Product_Full_Name	The full product name of the host.	VARCHAR (255)
Product_Version	The product version of the host.	VARCHAR (255)
Product_Build	The build number of the host.	VARCHAR (255)
Product_Vendor	The host vendor.	VARCHAR (255)
Product_OS_Type	The type of the host OS.	VARCHAR (255)
Product_API_Type	The type of host API.	VARCHAR (255)
Product_API_Version	The version of the host API.	VARCHAR (255)
IP_Address	The ip address of the host.	VARCHAR (255)
UUID_BIOS	The UUID of the host BIOS.	VARCHAR (255)
Licensed_Edition	The edition of the host license.	VARCHAR (255)
NIC_Count	The number of NICs.	INT
HBA_Count	The number of HBAs.	INT
DAS_Node_Name	The DAS mode name of the host.	VARCHAR (255)
Power_State	The power state of the host. Possible values are <code>off</code> and <code>on</code> .	VARCHAR (9)
Local_IP_Address	The local IP address of the host.	VARCHAR (50)
Host_Key	The host key.	VARCHAR (255)
Management_IP	The management IP address.	VARCHAR (50)
Mmode	The maintenance mode of the host. Possible values are <code>Yes</code> and <code>No</code> .	VARCHAR (3)

vpxv_VMs

This view describes the virtual machines in vCenter Server.

Object	Object Description	Type
VMID	The ID of the virtual machine.	INT
Name	The name of the virtual machine.	VARCHAR (255)
VMGroupID	The ID of the virtual machine group. A foreign key to vpxv_VMGroups.VMGroupID.	INT
HostID	The ID of the host. A foreign key to vpxv_Hosts.HostID.	INT
ConfigFileName	The path of the virtual machine configuration file.	VARCHAR (255)
VMUniqueID	The UUID of the virtual machine.	VARCHAR (255)
Resource_Group_ID	The ID of the resource pool that the VM belongs to.	INT
Mem_Size_MB	The memory size of the virtual machine in megabytes.	INT

Object	Object Description	Type
Num_vCPU	The number of virtual CPUs for the virtual machine.	INT
Boot_Time	The starting time of the most recent virtual machine boot.	DATETIME
Suspend_Time	The most recent time the virtual machine was suspended.	DATETIME
Power_State	The virtual machine power state. Possible values are off, on, and suspend.	VARCHAR (9)
Guest_OS	The guest operating system.	VARCHAR (255)
Guest_Family	The guest family.	VARCHAR (255)
Guest_State	The guest state. Possible values are 0 for notRunning, 1 for resetting, 2 for running, 3 for shuttingDown, 4 for standby, and 5 for unknown.	VARCHAR (255)
Memory_Reservation	The configured memory reservation in MB. The amount of memory that is guaranteed to be available to the virtual center or resource pool.	INT
Memory_Overhead	The memory resource (in bytes) that is used by the virtual machine for operations in addition to the guest memory requirements.	VARCHAR (21)
CPU_Reservation	The configured CPU reservation in MHz. The amount of CPU resource that is guaranteed available to the virtual machine.	INT
DNS_Name	The DNS name of the virtual machine.	VARCHAR (255)
IP_Address	The IP address of the virtual machine.	VARCHAR (50)
Tools_Status	The virtual machine tools status. Possible values are Not Installed, Not Running, Old, and OK.	VARCHAR (13)
Tools_Version	The virtual machine tools version.	VARCHAR (255)
NUM_NIC	The number of NICs.	INT
NUM_Disk	The number of disks.	INT
Is_Template	The flag field that indicates a template virtual machine.	INT
Description	The virtual machine description.	VARCHAR (2000)
Annotation	The virtual machine annotation.	VARCHAR (2000)
Suspend_Interval	The total time that the virtual machine has been suspended since the initial power on.	VARCHAR (21)
Aggr_Committed_Storage_Space	The aggregated committed storage space.	INT
Aggr_Uncommitted_Storage_Space	The aggregated uncommitted storage space.	INT
Aggr_Unshared_Storage_Space	The aggregated unshared storage space.	INT
Storage_Space_Updated_Time	The last update time of the storage space.	DATETIME

vpv_Templates

This view describes the templates in vCenter Server.

Object	Object Description	Type
TemplateID	The ID of the template.	INT
Name	The name of the template.	VARCHAR (255)
Description	The description of the template.	VARCHAR (255)

vpxv_Tasks

This view describes the tasks in vCenter Server.

Object	Object Description	Type
TaskID	The ID of the task.	INT
Name	The name of the task.	VARCHAR (255)
Enabled	An indication that the task will be run.	INT
Frequency	The frequency with which a task will run. This object can have any of six values: <ul style="list-style-type: none"> ■ afterStartup – The scheduled task runs whenever vCenter Server is restarted. ■ once – The scheduled task runs once at specified intervals. ■ hourly – The scheduled task runs every hour. ■ daily – The scheduled task runs every day. ■ weekly – The scheduled task runs every week. ■ monthly – The scheduled task runs every month. 	VARCHAR (255)
Status	The run status of the task. This object can have any of three values: <ul style="list-style-type: none"> ■ done – The scheduled task completed successfully. ■ error – The scheduled task failed. ■ inProgress – The scheduled task is running. 	VARCHAR (255)
SendTo	The email address that vCenter Server sends a notice to when the task finishes.	VARCHAR (255)

vpxv_Alarms

This view describes the Alarms in vCenter Server.

Object	Object Description	Type
AlarmID	The ID of the alarm.	INT
Name	The name of the alarm.	VARCHAR (255)
Enabled	An indication of whether the alarm is enabled. The flag values are 1 if the alarm is enabled or 0 if it is not.	INT

vpxv_Datastore

This view describes the datastore used for vCenter Server.

Object	Object Description	Type
ID	The ID of the datastore.	INT
Name	The name of the datastore.	VARCHAR (255)
Storage_URL	The URL of the datastore. The value for this object is the full path to the datastore rather than a relative path.	VARCHAR (255)
Capacity	The information field that describes the capabilities of the datastore.	VARCHAR (21)
Free_Space	The available space of the datastore in bytes.	VARCHAR (21)
Type	The type of the datastore in VMFS or NFS.	VARCHAR (128)
Datacenter_ID	The ID of the datacenter.	INT
IORM_Enabled	The flag that indicates that the IORM service is enabled.	NUMERIC (1)

vpxv_Host_Datastore

This view describes the datastores for each host that vCenter Server manages.

Object	Object Description	Type
Host_ID	The ID of the host.	INT
DS_ID	The ID of the datastore.	INT
Accessible	An indication of whether the datastore is accessible. The flag values are 1 if the datastore is accessible or 0 if it is not.	INT
Mount_Path	The mount path of the datastore.	VARCHAR (255)
Mount_ID	The mount ID of the datastore.	VARCHAR (255)
Mount_Mode	The mode in which the datastore is mounted.	VARCHAR (255)

vpxv_DS_LUN_Info

This view describes characteristics of the datastores and Logical Unit Numbers (LUNs) associated with each host that vCenter Server manages.

Object	Object Description	Type
UUID	The Universal Unique Identifier (UUID) of the SCSI LUN.	INT
Host_ID	The ID of the host.	INT
URL	The URL of the datastore. The value for this object is the full path to the datastore rather than a relative path.	VARCHAR (255)
Forcemount_FLG	An indication of whether the datastore is force mounted. The flag values are 1 if the datastore is force mounted or 0 if it is not.	INT
Datastore_ID	The ID of the datastore.	INT
Quality	The quality of the SCSI LUN as defined by a property that indicates whether the descriptor is usable for correlation across hosts. This object provides this property as any of four values: <ul style="list-style-type: none"> ■ highQuality – You can rely on the descriptor’s identifier for cross-host identification and correlation. ■ lowQuality – You must not use the descriptor’s identifier for cross-host identification and correlation. ■ mediumQuality – You can use the descriptor’s identifier for cross-host identification and correlation. ■ unknownQuality – You might or might not be able to use the descriptor’s identifier for cross-host identification and correlation. 	VARCHAR (255)

vpxv_VM_Datastore

This view describes the datastores for each virtual machine that vCenter Server manages.

Object	Object Description	Type
VM_ID	The ID of the virtual machine.	INT
DS_ID	The ID of the datastore.	INT

vpxv_VM_RDM_LUN_Info

This view describes the Raw Device Mapping (RDM) for the LUN that backs a virtual machine.

Object	Object Description	Type
VM_ID	The ID of the virtual machine.	INT
Device_Backing_LUN_UUID	The UUID of the LUN that backs this virtual machine.	VARCHAR (255)

vpxv_SN_RDM_LUN_Info

This view describes the Raw Device Mapping (RDM) for the LUN that stores the virtual machine snapshot.

Object	Object Description	Type
Snapshot_ID	The ID of the virtual machine snapshot.	INT
Device_Backing_LUN_UUID	The UUID of the LUN that backs this virtual machine.	VARCHAR (255)

vpxv_Host_Network

This view describes the networks for each host that vCenter Server manages.

Object	Object Description	Type
Host_ID	The ID of the host.	INT
Network_ID	The ID of the network.	INT

vpxv_VM_Network

This view describes the networks for each virtual machine that vCenter Server manages.

Object	Object Description	Type
VM_ID	The ID of the virtual machine.	INT
Network_ID	The ID of the network.	INT

vpxv_Compute_Resource_Network

This view describes the networks associated with each compute resource that vCenter Server manages.

Object	Object Description	Type
Compute_Resource_ID	The ID of the compute resource.	INT
Network_ID	The ID of the network.	INT

vpxv_Fields

This view describes the user-defined fields for hosts or virtual machines that vCenter Server manages.

Object	Object Description	Type
FieldID	The ID of the user defined field.	INT
Name	The name of the field. The value for this object is an additional attribute name defined by user for the host or virtual machine, such as the Location of the host or the OS of the virtual machine.	VARCHAR (255)

vpxv_Host_Fields

This view describes the value for host fields.

Object	Object Description	Type
FieldID	The ID of the field. A foreign key to vpxv_Fields.FieldID.	INT
HostID	The ID of the host. A foreign key to vpxv_Hosts.HostID.	INT
FieldValue	The value of the field is a user-defined attribute that is declared in vpxv_Fields, such as VMware building A Room 11002 for the Location of a host	VARCHAR (255)

vpxv_VM_Fields

This view describes the value for virtual machine fields.

Object	Object Description	Type
FieldID	The ID for the field. A foreign key to vpxv_Fields.FieldID.	INT
VMID	The ID of the virtual machine. A foreign key to vpxv_VMs.VMID.	INT
FieldValue	The value of the field describes a user-defined attribute that is declared in vpxv_Fields, such as No OS installed for the OS of a virtual machine.	VARCHAR (255)

vpxv_Stat_Historical_Intervals

This view describes the intervals for performance data.

Object	Object Description	Type
ID	The ID of the interval.	NUMBER (2)
Name	The name of the interval.	VARCHAR (30)
Sample_Period	The period of the collection interval in seconds.	NUMBER (10)
Interval_Length	The time in seconds for which collection interval data is stored. For example, if the interval period is 60 seconds and the interval length is 360 seconds, the first collection interval is dropped from storage at the end of 360 seconds. The data still exists, but only as part of the roll-up.	NUMBER (10)
Stats_Leve	The level of the statistical data that you want to be rolled up.	NUMBER (10)
Rollup_Enabled_Flg	An indication of whether you want to enable statistical data roll-up. The flag values are 1 if roll-ups are enabled roll-ups or 0 if they are disabled.	NUMBER (1)

vpxv_Stat_Counters

This view describes the statistics collection counter across all entities.

Object	Object Description	Type
ID	The ID of the performance statistic.	INT
Rollup_Type	The rollup type of the performance statistic. This object specifies one of following rollup types: <ul style="list-style-type: none"> ■ average – The average of the statistic calculated over time. ■ maximum – The maximum value of the statistic. ■ minimum – The minimum value of the statistic over time. ■ latest – The most recent value for the statistic. ■ summation – The sum of the statistic values. ■ none – No rollup occurs. 	VARCHAR (30)
Name	The name of the performance statistic.	VARCHAR (30)
Group_Name	The group name of the performance statistic.	VARCHAR (30)
Type	The type of the performance statistics counter. This object specifies one of following: <ul style="list-style-type: none"> ■ absolute – Tracks an absolute value for the performance statistic over the collection interval. For example, if the counter tracks the uptime of a virtual machine, the value recorded would be the number of seconds that the virtual machine has been operating since it was started. ■ delta – Tracks the change in the performance statistic between the start and end of the collection interval. ■ rate – Tracks a normalized amount of change that can be compared regardless of the sampling interval over which the performance statistic is collected. An example of a rate value is counting the number of reads per second. 	VARCHAR (30)
Unit	The unit of the performance statistic.	VARCHAR (30)
Associate_IDs	The associated IDs for the performance statistic.	VARCHAR (128)
Stat_Level	The statistics collection level which this statistics counter is collected.	NUMBER (2)
Fixed_Collection_Interval	The fixed collection interval.	INT

vpxv_Hist_Stat_Daily

This view describes the performance statistics for the past 24 hours.

Object	Object Description	Type
Sample_Time	The time at which the performance statistic sample is collected, expressed in UTC time.	DATE TIME
Sample_Interval	The interval of the performance statistics sample.	NUMBER (10)
Stat_ID	The ID of the performance statistic.	INT
Stat_Name	The name of the performance statistic.	VARCHAR (30)
Stat_Group	The group name of the performance statistic.	VARCHAR (30)
Stat_Rollup_Type	The roll-up type of the performance statistic.	VARCHAR (9)
Entity	The ManagedObject ID of the entity.	VARCHAR (255)
Counter_ID	The Primary key of the counter (vpx_stat_counter).	INT
Device_Name	The name of the device.	VARCHAR (510)
Device_Type_Name	The device type of the device.	VARCHAR (255)
Stat_Value	The value of the performance statistic sample.	INT

vpxv_Hist_Stat_Weekly

This view describes the performance statistics for the past week.

Object	Object Description	Type
Sample_Time	The time at which the performance statistic sample is collected, expressed in UTC time.	DATE TIME
Sample_Interval	The interval of the performance statistics sample.	NUMBER (10)
Stat_ID	The ID of the performance statistic.	INT
Stat_Name	The name of the performance statistic.	VARCHAR (30)
Stat_Group	The group name of the performance statistic.	VARCHAR (30)
Stat_Rollup_Type	The roll-up type of the performance statistic.	VARCHAR (9)
Entity	The ManagedObject ID of the entity.	VARCHAR (255)
Counter_ID	The primary key of the counter (vpx_stat_counter).	INT
Device_Name	The name of the device.	VARCHAR (510)
Device_Type_Name	The device type of the device.	VARCHAR (255)
Stat_Value	The value of the performance statistic sample.	INT

vpxv_Hist_Stat_Monthly

This view describes the performance statistics for the past month.

Object	Object Description	Type
Sample_Time	The time at which the performance statistic sample is collected, expressed in UTC time.	DATE TIME
Sample_Interval	The interval of the performance statistics sample.	NUMBER (10)
Stat_ID	The ID of the performance statistic.	INT
Stat_Name	The name of the performance statistic.	VARCHAR (30)
Stat_Group	The group name of the performance statistic.	VARCHAR (30)
Stat_Rollup_Type	The roll-up type of the performance statistic.	VARCHAR (9)
Entity	The ManagedObject ID of the entity.	VARCHAR (255)
Counter_ID	The primary key of the counter (vpx_stat_counter).	INT
Device_Name	The name of the device.	VARCHAR (510)
Device_Type_Name	The device type of the device.	VARCHAR (255)
Stat_Value	The value of the performance statistic sample.	INT

vpxv_Hist_Stat_Yearly

This view describes the performance statistics for the past year.

Object	Object Description	Type
Sample_Time	The time at which the performance statistic sample is collected, expressed in UTC time.	DATE TIME
Sample_Interval	The interval of the performance statistics sample.	NUMBER (10)
Stat_ID	The ID of the performance statistic.	INT
Stat_Name	The name of the performance statistic.	VARCHAR (30)
Stat_Group	The group name of the performance statistic.	VARCHAR (30)
Stat_Rollup_Type	The roll-up type of the performance statistic.	VARCHAR (9)
Entity	The ManagedObject ID of the entity.	VARCHAR (255)
Counter_ID	The Primary key of the counter (vpx_stat_counter).	INT
Device_Name	The name of the device.	VARCHAR (510)
Device_Type_Name	The device type of the device.	VARCHAR (255)
Stat_Value	The value of the performance statistic sample.	INT

vpxv_Lic_Usage_History

This view describes the license usage history for VMware licenses.

Object	Object Description	Type
Asset_Key	The identification key of the asset.	VARCHAR (50)
Asset_Name	The name of the asset.	VARCHAR (100)
License_Key	The identification key of the license.	VARCHAR (50)
Edition_Key	The identification key of the edition.	VARCHAR (100)
Edition_Name	The name of the edition.	VARCHAR (100)
Product_Name	The name of the product.	VARCHAR (100)
Product_Version	The version of the product.	VARCHAR (10)
Expiration_Date	The license expiration date.	VARCHAR (10)
Expiration_TS	The integer representation of the expiration date column.	INT
Cost_Unit	The cost unit of the license.	VARCHAR (50)
Capacity	The capacity of the license.	INT
Usage	The usage of the license.	INT
Sample_ID	The unique identifier of the usage sample.	INT
Usage_Timestamp	The timestamp of the usage sample.	DATE TIME
Usage_TS	The integer representation of the usage timestamp column.	INT
VC_Scope	The scope and GUID of vCenter Server.	VARCHAR (50)
VC_Name	The name and IP address of the vCenter Server.	VARCHAR (50)
VC_Group_ID	The surrogate key for multiple vCenter Server.	INT
Last_Sample_Count	The total sample count when the current sample is recorded.	INT
Sample_Digest	The total sample count when the current sample is recorded.	Binary

vpxv_Lic_VC_Groups

This view describes the historical information for MultiVC groups that have the current vCenter Server as a member.

Object	Object Descriptions	Type
VC_Group_ID	The MultiVC group surrogate key.	INT
Created_Timestamp	The usage sample timestamp of first group appearance.	DATE TIME
Is_Active	The status of the group. Possible values are 0 for false, and 1 for true. Only one group variation is currently active.	INT
VC_ID	The GUID of the MultiVC group member.	VARCHAR (50)
VC_Name	The name and IP address of vCenter Server.	VARCHAR (50)

vpxv_Resource_Pool

This view describes the vCenter resource pool.

Object	Object Description	Type
Name	The name of the resource pool.	VARCHAR (255)
Parent_ID	The ID of the parent resource pool.	INT
Allocated_CPU	The resource allocation of the CPU.	VARCHAR (21)
Available_VM_CPU	The resource allocation of the virtual machine CPU.	VARCHAR (21)
Available_Pool_CPU	The total CPU resources available to satisfy the child resource pool reservation.	VARCHAR (21)
Available_VM_CPU	The total CPU resources available to satisfy the child virtual machine.	VARCHAR (21)
Allocated_Mem	The resource allocation for the memory.	VARCHAR (21)
Allocated_VM_Mem	The resource allocation for the virtual machine memory.	VARCHAR (21)
Available_Pool_Mem	The total memory resources available to satisfy a child resource pool reservation.	VARCHAR (21)
Available_VM_Mem	The total memory resources available to satisfy a child virtual machine reservation.	VARCHAR (21)
Current_CPU	The close-to-real-time CPU resource usage of all running child virtual machines, which includes the virtual machines in <code>Mhz.machines</code> in the child resource pools.	VARCHAR (21)
Current_Mem	The close-to-real-time memory resource usage of all running child virtual machines, which includes the virtual machines in the child resource pools. The values are in bytes.	VARCHAR (21)
Overall_Status	The overall status of the resource pool.	VARCHAR (255)
Folder_ID	The resource pool folder ID.	INT

vpxv_Compute_Resource

This view describes the compute resource cluster in vCenter Server.

Object	Object Description	Type
Resource_Pool_ID	The ID of the resource pool.	INT
Name	The name of the compute resource.	VARCHAR (255)
Parent_ID	The ID of the parent compute resource.	INT
Resource_Group_ID	The ID of the resource group pool.	INT

Object	Object Description	Type
Resource_Type	The type of the compute resource. Possible values are 1 if the type is a standard resource pool, or 2 if the type is a clustered resource pool.	INT
VM_Swap_Placement	The virtual machine swapfile placement policy. Possible values are 0 for local_host, 1 for inherit, 2 for vmconfigured, or 3 for vmDirectory.	INT
HAMode	The flag field that indicates if HA is enabled on the compute resource.	VARCHAR (3)
DRSMODE	The flag field that indicates if DRS is enabled on the compute resource.	VARCHAR (3)
Failover_Level	The compute resource current failover rate.	INT
Strict_Admission_Control	The flag field that indicates if the strict admission control is enabled.	INT
Default_VM_Behavior	The DRS which generates only those recommendations that are above the specified rating. Ratings vary from 1 to 5. This setting applies to manual, partially automated, and fully automated DRS clusters.	INT
vMotion_Rate	The rate of the vMotion.	INT
DPM_Enabled_FLG	The flag field that indicates if DPM is enabled.	NUMBER (1)
Default_Host_Behavior	The default VMware DPM behavior for the hosts.	NUMBER (1)
Default_DAS_Priority	The default VMware DAS priority.	NUMBER (1)
Power_Off_On_Isolation	The flag field that indicates that the virtual machine must be powered off if a host determines that it is isolated from the rest of the compute resource. If the flag field is not specified at either the cluster level or the VM level, this will default to true.	NUMBER (1)
EVC_Mode	The EVC mode field. EVC is disabled if the field is not set. EVC is enabled if the field is set.	VARCHAR (30)
VMHealth_VM_Monitoring	The flag that indicates whether the Virtual Machine Health Monitoring service is enabled.	INT
VMHealth_Failure_Interval	The number of seconds needed for the virtual machine heartbeats to stabilize after the virtual machine is powered on. If no heartbeat is received for at least the specified number of seconds, the virtual machine is declared as failed. The default value is 30.	INT
VMHealth_Min_Uptime	The number of seconds needed for the virtual machine hearbeats to stablize after the virtual machine is powered on. The guest operating system boot-up time must be included. The virtual machine monitoring period begins only after this period. The default value is 120.	INT
VMHealth_Max_Failures	The maximum number of failures.	INT
VMHealth_Max_Failures_Window	The time in which the maxFailures resets can occure before automated responses stop, expressed in seconds.	INT
Failover_CPU_Resources	The failover CPU resources available.	NUMBER (3)
Failover_Mem_Resources	The failover memory resources available.	NUMBER (3)
Host_Power_Action_Rate	The Host Power Action Rate.	INT
DRS_VM_Overrides_Enabled_FLG	The flag field that indicates whether the DRS behavior overrides for the individual virtual machines.	NUMBER (1)
DAS_Host_Monitoring	The flag field that indicates whether the VMware HA virtual machine Component Protection service is enabled.	NUMBER (1)

Object	Object Description	Type
DAS_Host_Monitoring	The flag field that indicates whether HA restarts the virtual machine after a host fails.	INT
Cluster_State	The state of the cluster.	INT

vpxv_Events

This view describes the events in vCenter Server.

Object	Object Description	Type
Event_ID	ID of the vCenter event	INT
Chain_ID	The event chain ID that is associated with Task. Setting this property limits the set of collected events to those associated with the specified alarm. If the property is not set, the events are collected regardless of the association with the alarms.	INT
Event_Type	The type of event.	VARCHAR (255)
Extended_Class	The extended event class.	NUMBER (1)
Create_Time	The time at which the event was created.	DATETIME
Username	The user name.	VARCHAR (255)
Category	The event category. The possible values are 0 for <code>error event</code> , 1 for <code>info event</code> , 2 for <code>user event</code> , and 3 for <code>warning event</code> .	VARCHAR (255)
VM_ID	The ID of the virtual machine.	INT
VM_Name	The name of the virtual machine.	VARCHAR (255)
Host_ID	The ID of the host.	INT
Host_Name	The name of the virtual machine.	VARCHAR (255)
Compute_Resource_ID	The ID of the Compute Resource.	INT
Compute_Resource_Type	The type of Compute Resource.	INT
Compute_Resource_Name	The name of the Compute Resource.	VARCHAR (255)
Datacenter_ID	The ID of the datacenter.	INT
Datacenter_Name	The name of the datacenter.	VARCHAR (255)
Datastore_ID	The ID of the datastore.	INT
Datastore_Name	The name of the datastore.	VARCHAR (255)
Network_ID	The ID of the network.	INT
Network_Name	The name of the network.	VARCHAR (255)
Network_Type	The type of the network.	Char (1)
DVS_ID	The ID of the DVS.	INT
DVS_Name	The name of the DVS.	VARCHAR (255)

vpx_Host_CPU

This view describes the host CPU.

Object	Object Description	Type
HostID	The ID of the host.	INT
Name	The name of the host.	VARCHAR (255)
CPU_Package_Index	The CPU package index, starting from 0.	INT

Object	Object Description	Type
CPU_Speed	The speed of the CPU in Hz.	VARCHAR (21)
Bus_Speed	The bus speed of the CPU in Hz.	VARCHAR (21)
CPU_Description	The string summary description of the CPU	VARCHAR (255)
CPU_Vendor_Name	The name of the CPU vendor.	VARCHAR (255)

vpvx_Object_Type

This view describes the managed object in vCenter Server.

Object	Object Description	Type
ObjectID	The ID of the managed object.	INT
ObjectName	The name of the managed object.	VARCHAR (30)

vpvx_Customized_Field

This view describes the custom fields in vCenter Server.

Object	Object Description	Type
Cust_Field_Name	The name of the custom field.	VARCHAR (255)
Cust_Field_Value	The value of the custom field.	TEXT
Entity_ID	The ID of the entity.	INT
Entity_Name	The name of the entity.	VARCHAR (255)

vpvx_Compute_Resource_DAS_VM

This view describes the DAS configuration for the virtual machines in the compute resource of vCenter Server.

Object	Object Description	Type
Resource_Pool_ID	The ID of the resource pool.	INT
Name	The name of the compute resource.	VARCHAR (255)
Parent_ID	The ID of the parent entity.	INT
VM_ID	The ID of the virtual machine.	INT
Priority	The priority of the virtual machine.	INT
Num_Failure	The number of DAS failure.	INT
Retry_Period_Sec	The retry period, expressed in seconds.	INT
Power_Off_On_Isolation	The flag field that indicates that the virtual machine must be powered off if a host determines that the virtual machine is isolated from the rest of the compute resource. If the flag field is not specified at either the cluster level or the virtual machine level, the default flag field is set to true.	INT
VMHealth_VM_Monitoring	The flag that indicates if the virtual machine health monitoring service is enabled.	INT
VMHealth_Failure_Interval	The number of seconds required for the virtual machine heartbeats to stabilize after the virtual machine is powered on. If no heartbeat is received after a specified amount of time, the virtual machine is declared as failed. The default value is 30.	INT
VMHealth_Min_Uptime	The number of seconds required for the virtual machine heartbeats to stabilize after the virtual machine has been powered on. The minimum uptime includes the guest operating system boot-up time.	INT

Object	Object Description	Type
VMHealth_Max_Failures	The maximum number of failures.	INT
VMHealth_Max_Failure_Window	The time at which maxFailures resets can occur before automated responses stop, expressed in seconds.	INT

vpvx_Compute_Resource_DRS_VM

This view describes the DRS configuration for the virtual machines in the compute resource of Virtual Center.

Object	Object Description	Type
Resource_Pool_ID	The ID of the resource pool.	INT
Name	The name of the compute resource.	VARCHAR (255)
Parent_ID	The ID of the parent entity.	INT
DRS_Enabled	The flag field that indicates if the DRS is enabled in the virtual machine.	INT
DRS_Behavior	The behavior of the DRS. Possible values are 0 for fully automated, 1 for manual, or 2 for partially automated.	INT

vpvx_Entity_VMOP_Count

This view describes the entity level virtual machine operation count in vCenter Server.

Object	Object Description	Type
Resource_Pool_ID	The ID of the object.	INT
Name	The name of the entity.	VARCHAR (255)
Parent_ID	The parent ID of the entity.	INT
Power_On_Count	The number of power on operations.	INT
Power_Off_Count	The number of power off operations.	INT
Suspend_Count	The number of Suspend operations.	INT
Reset_Count	The number of reset operations.	INT
Reboot_Guest_Count	The number of reboot guest operations.	INT
StandBy_Guest_Count	The number of standby guest operations.	INT
ShutDown_Guest_Count	The number of shutdown guest operations.	INT
Create_Count	The number of virtual machine creation operations.	INT
Destroy_Count	The number of virtual machine destroy operations.	INT
Register_Count	The number of virtual machine register operations.	INT
Unregister_Count	The number of virtual machine unregister operations.	INT
Reconfigure_Count	The number of virtual machine reconfigure operations.	INT
Clone_Count	The number of virtual machine clone operations.	INT
Deploy_Count	The number of virtual machine deploy operation.	INT
Change_Host_Count	The number of virtual machine change host operations.	INT
Change_DS_Count	The number of virtual machine change datastore operations.	INT
Change_Host_DS_Count	The number of virtual machine change host datastore operations.	INT
vMotion_Count	The number of vMotion operations.	INT
SvMotion_Count	The number of storage vMotion operations.	INT

vpxv_Snapshot

This view describes the virtual machine snapshot in Virtual Center.

Object	Object Description	Type
Snapshot_ID	The ID of the snapshot.	INT
Host_Snapshot_ID	The host snapshot ID string.	VARCHAR (255)
VM_ID	The ID of the virtual machine.	INT
Snapshot_Name	The name of the virtual machine snapshot.	VARCHAR (255)
Create_Time	The time at which the snapshot is created.	DATE
Power_State	The power state. Possible values are 0 for powered off, 1 for powered on, and 2 for suspended.	INT
Is_Quiesced	The flag field that indicates if the snapshot is quiesced.	INT
Snapshot_UID	The UID of the snapshot.	INT
Parent_Snapshot_ID	The ID of the parent snapshot.	INT
Is_Current_Snapshot	The flag field that indicates the current snapshot.	INT

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