
vSphere 4.1

vCenter Server

SQL DATABASE

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VPXV_ALARMS

```
SELECT      ALARM_ID AS ALARMID, NAME, ENABLED
FROM        dbo.VPX_ALARM
```

ALARMID	NAME	ENABLED
1	alarm.HostConnectionStateAlarm	1
2	alarm.VmFaultToleranceLatencyStatusAlarm	1
3	alarm.HostCPUUsageAlarm	1
4	alarm.HostMemoryUsageAlarm	1
5	alarm.HostEsxCosSwapAlarm	1
6	alarm.VmCPUUsageAlarm	1
7	alarm.VmMemoryUsageAlarm	1
8	alarm.VmDiskLatencyAlarm	1
9	alarm.DatastoreDiskUsageAlarm	1
10	alarm.LicenseNonComplianceAlarm	1
11	alarm.VmTimedoutStartingSecondaryAlarm	1
12	alarm.VmNoCompatibleHostForSecondaryAlarm	1
13	alarm.ProcessorHealthAlarm	1
14	alarm.MemoryHealthAlarm	1
15	alarm.FanHealthAlarm	1
16	alarm.VoltageHealthAlarm	1
17	alarm.TemperatureHealthAlarm	1
18	alarm.PowerHealthAlarm	1
19	alarm.SystemBoardHealthAlarm	1
20	alarm.BatteryHealthAlarm	1
21	alarm.OtherHealthAlarm	1
22	alarm.StorageHealthAlarm	1
23	alarm.SELHealthAlarm	1
24	alarm.BMCHealthAlarm	1
25	alarm.HostErrorAlarm	1
26	alarm.VmErrorAlarm	1
27	alarm.HostConnectivityAlarm	1
28	alarm.StorageConnectivityAlarm	1
29	alarm.MigrationErrorAlarm	1
30	alarm.ExitStandbyErrorAlarm	1
31	alarm.VmHighAvailabilityError	1
32	alarm.HighAvailabilityError	1
33	alarm.LicenseError	1
34	alarm.HealthStatusChangedAlarm	1
35	alarm.VmFaultToleranceStateChangedAlarm	1
36	alarm.NetworkConnectivityLostAlarm	1
37	alarm.NetworkRedundancyLostAlarm	1
38	alarm.NetworkRedundancyDegradedAlarm	1
39	alarm.MigrateBindToVMKAlarm	1
40	alarm.IormNonVIWorkloadAlarm	1
41	alarm.LicenseUserThresholdExceededAlarm	1
42	alarm.VCHealthStateChangedAlarm	1

VPXV_COMPUTE_RESOURCE

```

SELECT      e.ID AS RESOURCEPOOLID, e.NAME, e.PARENT_ID, c.RESOURCE_GROUP_ID,
c.RESOURCE_TYPE, c.VM_SWAP_PLACEMENT, CASE c.DAS_ENABLED WHEN 0 THEN 'NO' WHEN 1
THEN 'YES' END AS HAMode, CASE c.DRS_ENABLED WHEN 0 THEN 'NO' WHEN 1 THEN 'YES' END AS
DRSMode, c.FAILOVER_LEVEL, c.STRICT_ADMISSION_CONTROL, c.DEFAULT_VM_BEHAVIOR,
c.VMOTION_RATE, c.DPM_ENABLED_FLG, c.DEFAULT_HOST_BEHAVIOR, c.DEFAULT_DAS_PRIORITY,
c.POWER_OFF_ON_ISOLATION, c.EVC_MODE, c.VMHEALTH_VM_MONITORING,
c.VMHEALTH_FAILURE_INTERVAL, c.VMHEALTH_MIN_UPTIME, c.VMHEALTH_MAX_FAILURES,
c.VMHEALTH_MAX_FAILURE_WINDOW, c.FAILOVER_CPU_RESOURCES,
c.FAILOVER_MEM_RESOURCES, c.HOST_POWER_ACTION_RATE,
c.DRS_VM_OVERRIDES_ENABLED_FLG, c.DAS_HOST_MONITORING, c.DAS_VM_MONITORING,
c.CLUSTER_STATE
FROM        dbo.VPX_ENTITY AS e INNER JOIN
           dbo.VPX_COMPUTE_RESOURCE AS c ON e.ID = c.ID

```

RESOURCEPOOLID	96
NAME	CL1
PARENT_ID	19
RESOURCE_GROUP_ID	NULL
RESOURCE_TYPE	2
VM_SWAP_PLACEMENT	1
HAMode	YES
DRSMode	YES
FAILOVER_LEVEL	NULL
STRICT_ADMISSION_CONTROL	1
DEFAULT_VM_BEHAVIOR	2
VMOTION_RATE	3
DPM_ENABLED_FLG	0
DEFAULT_HOST_BEHAVIOR	1
DEFAULT_DAS_PRIORITY	2
POWER_OFF_ON_ISOLATION	2
EVC_MODE	NULL
VMHEALTH_VM_MONITORING	1
VMHEALTH_FAILURE_INTERVAL	30
VMHEALTH_MIN_UPTIME	120
VMHEALTH_MAX_FAILURES	3
VMHEALTH_MAX_FAILURE_WINDOW	3600
FAILOVER_CPU_RESOURCES	30
FAILOVER_MEM_RESOURCES	30
HOST_POWER_ACTION_RATE	3
DRS_VM_OVERRIDES_ENABLED_FLG	1
DAS_HOST_MONITORING	1
DAS_VM_MONITORING	0
CLUSTER_STATE	0

VPXV_DATASTORE

```
SELECT ID, NAME, STORAGE_URL, CAPACITY, FREE_SPACE, TYPE, DATACENTER_ID,  
IORM_ENABLED FROM dbo.VPX_DATASTORE
```

ID	64
NAME	iSCSI-NW
STORAGE_URL	sanfs://vmfs_uuid:4b336210-05c0483e-aede-000c298e5521/
CAPACITY	128580583424
FREE_SPACE	68941774848
TYPE	VMFS
DATACENTER_ID	17
IORM_ENABLED	0

VPXV_DEVICE_COUNTER

```
SELECT      c.ENTITY_ID, c.STAT_ID, d.DEVICE_NAME, d.DEVICE_ID, c.COUNTER_ID
FROM        dbo.VPX_DEVICE AS d INNER JOIN
           dbo.VPX_STAT_COUNTER AS c ON d.DEVICE_ID = c.DEVICE_ID
```

entity_id	stat_id	device_name	device_id	counter_id
1	220		1	1
1	223		1	2
1	227		1	3
1	228		1	4
1	229		1	5
1	244		1	6
1	202	/InventoryStats/ManagedEntityStats/Clusters/Total	2	7
1	202	/InventoryStats/ManagedEntityStats/Datacenters/Total	3	8
1	202	/InventoryStats/ManagedEntityStats/Datastores/Total	4	9
1	202	/InventoryStats/ManagedEntityStats/NumHosts/Total	5	10
1	202	/InventoryStats/ManagedEntityStats/NumPoweredOnVms/Total	6	11
1	202	/InventoryStats/ManagedEntityStats/NumVirtualMachines/Total	7	12
1	202	/InventoryStats/ManagedEntityStats/ResourcePools/Total	8	13
1	235	/SessionStats/SessionPool/NumSessions/Total	9	14
1	239	/SystemStats/NumRestarts/Total	10	15
1	211	/MiscStats/ProcessStats/OverallCpuUsage/NumSamples	11	16
1	211	/MiscStats/ProcessStats/OverallCpuUsage/Total	12	17
1	211	/MiscStats/ProcessStats/PhyMemUsage/NumSamples	13	18
1	211	/MiscStats/ProcessStats/PhyMemUsage/Total	14	19
1	211	/MiscStats/ProcessStats/ProcessHandles/NumSamples	15	20
1	211	/MiscStats/ProcessStats/ProcessHandles/Total	16	21
1	211	/MiscStats/ProcessStats/ProcessorCpuUsage/NumSamples	17	22
1	211	/MiscStats/ProcessStats/ProcessorCpuUsage/Total	18	23
1	211	/MiscStats/ProcessStats/ProcessThreads/NumSamples	19	24
1	211	/MiscStats/ProcessStats/ProcessThreads/Total	20	25
1	211	/MiscStats/ProcessStats/VirMemUsage/NumSamples	21	26

VPXV_DS_LUN_INFO

```

SELECT      sl.UUID, sl.HOST_ID, di.URL, di.FORCEMOUNT_FLG, di.ID AS DATASTORE_ID,
sld.QUALITY
FROM        dbo.VPX_SCSI_LUN AS sl INNER JOIN
           dbo.VPX_SCSI_DISK_PARTITION AS sdp ON sl.CANONICAL_NAME =
sdp.DISK_NAME INNER JOIN
           dbo.VPX_VMFS_VOLUME AS vv ON sdp.VPX_FILE_SYSTEM_MOUNT_INFO_ID =
vv.VPX_FILE_SYSTEM_MOUNT_INFO_ID INNER JOIN
           dbo.VPX_FILE_SYSTEM_MOUNT_INFO AS fmi ON
sdp.VPX_FILE_SYSTEM_MOUNT_INFO_ID = fmi.VPX_FILE_SYSTEM_MOUNT_INFO_ID AND
           sl.HOST_ID = fmi.ID INNER JOIN
           dbo.VPX_DATASTORE_INFO AS di ON vv.UUID = di.VMFS_UUID INNER JOIN
           dbo.VPX_SCSILUN_DESCRIPTOR AS sld ON sl.ID = sld.ID AND sl.UUID =
sld.DEScriptor_ID_VAL

```

uuid	01000300006c53315432372d464f42332d346a5652564952545541
HOST_ID	61
url	sanfs://vmfs_uuid:4c65661f-1a2e18b5-783e-000c29829b75/
forceMount_flg	NULL
DATASTORE_ID	128
QUALITY	mediumQuality

VPXV_ENTITY

```

SELECT      A.ID, A.NAME, A.TYPE_ID, C.NAME AS ENTITY_TYPE, A.PARENT_ID, B.TYPE_ID AS
PARENT_TYPE_ID,
           D.NAME AS PARENT_ENTITY_TYPE
FROM        dbo.VPX_ENTITY AS A LEFT OUTER JOIN
           dbo.VPX_ENTITY AS B ON A.PARENT_ID = B.ID INNER JOIN
           dbo.VPX_OBJECT_TYPE AS C ON A.TYPE_ID = C.ID LEFT OUTER JOIN
           dbo.VPX_OBJECT_TYPE AS D ON B.TYPE_ID = D.ID

```

ID	NAME	TYPE_ID	ENTITY_TYPE	PARENT_ID	PARENT_TYPE_ID	PARENT_ENTITY_TYPE
1	Datacenters	7	DATACENTER_FOLDER	NULL	NULL	NULL
17	DC	8	DATACENTER	1	7	DATACENTER_FOLDER
18	vm	5	VM_FOLDER	17	8	DATACENTER
19	host	6	HOST_FOLDER	17	8	DATACENTER
20	datastore	16	DATASTORE_FOLDER	17	8	DATACENTER
21	network	17	NETWORK_FOLDER	17	8	DATACENTER
43	dvS-1	14	DVSWITCH	21	17	NETWORK_FOLDER
44	dvS-1-DVUplinks-43	15	DVPORTGROUP	21	17	NETWORK_FOLDER
45	dvPG-1	15	DVPORTGROUP	21	17	NETWORK_FOLDER
46	Discovered virtual machine	5	VM_FOLDER	18	5	VM_FOLDER
61	esxi-21.home.hc	1	HOST	167	2	COMPUTE_RESOURCE
62	ISO	18	DATASTORE	20	16	DATASTORE_FOLDER
63	NFS	18	DATASTORE	20	16	DATASTORE_FOLDER

VPX_ENTITY_MOID

```

SELECT
ID AS ENTITYID,
CASE WHEN type_id = 0 THEN 'vm-' + CAST(id AS char)
WHEN type_id = 1 THEN 'host-' + CAST(id AS char)
WHEN type_id = 2 THEN 'domain-s' + CAST(id AS char)
WHEN type_id = 3 THEN 'domain-c' + CAST(id AS char)
WHEN type_id = 4 THEN 'resgroup-' + CAST(id AS char)
WHEN type_id = 5 THEN 'group-v' + CAST(id AS char)
WHEN type_id = 6 THEN 'group-h' + CAST(id AS char)
WHEN type_id = 7 THEN 'group-d' + CAST(id AS char)
WHEN type_id = 8 THEN 'datacenter-' + CAST(id AS char)
WHEN type_id = 9 THEN 'alarm-' + CAST(id AS char)
WHEN type_id = 10 THEN 'schedule-' + CAST(id AS char)
WHEN type_id = 11 THEN 'task-' + CAST(id AS char)
WHEN type_id = 12 THEN 'extension-' + CAST(id AS char)
WHEN type_id = 13 THEN 'domain-v' + CAST(id AS char)
WHEN type_id = 14 THEN 'dvs-' + CAST(id AS char)
WHEN type_id = 15 THEN 'dvportgroup-' + CAST(id AS char)
WHEN type_id = 16 THEN 'group-s' + CAST(id AS char)
WHEN type_id = 17 THEN 'group-n' + CAST(id AS char)
WHEN type_id = 18 THEN 'datastore-' + CAST(id AS char)
WHEN type_id = 19 THEN 'network-' + CAST(id AS char)
ELSE 'null' END AS MOID
FROM          dbo.VPX_ENTITY

```

ENTITYID	MOID
111	vm-111
202	vm-202
61	host-61
133	resgroup-133
19	group-h19
1	group-d1
17	datacenter-17
43	dvs-43
164	dvportgroup-164
20	group-s20
201	datastore-201
66	network-66
149	network-149

VPXV_ENTITY_VMOP_COUNT

SELECT

```
e.ID AS RESOURCEPOOLID, e.NAME, e.PARENT_ID, evc.POWERON_COUNT, evc.POWEROFF_COUNT,
evc.SUSPEND_COUNT, evc.RESET_COUNT, evc.REBOOTGUEST_COUNT, evc.STANDBYGUEST_COUNT,
evc.SHUTDOWNGUEST_COUNT, evc.CREATE_COUNT, evc.DESTROY_COUNT, evc.REGISTER_COUNT,
evc.UNREGISTER_COUNT, evc.RECONFIGURE_COUNT, evc.CLONE_COUNT, evc.DEPLOY_COUNT,
evc.CHANGEHOST_COUNT, evc.CHANGEDS_COUNT, evc.CHANGEHOSTDS_COUNT,
evc.VMOTION_COUNT, evc.SVMOTION_COUNT
FROM          dbo.VPX_ENTITY AS e INNER JOIN
              dbo.VPX_ENTITY_VMOP_COUNT AS evc ON e.ID = evc.ID
```

RESOURCEPOOLID	17
NAME	DC
PARENT_ID	1
POWERON_COUNT	37
POWEROFF_COUNT	25
SUSPEND_COUNT	9
RESET_COUNT	1
REBOOTGUEST_COUNT	1
STANDBYGUEST_COUNT	0
SHUTDOWNGUEST_COUNT	2
CREATE_COUNT	4
DESTROY_COUNT	0
REGISTER_COUNT	7
UNREGISTER_COUNT	6
RECONFIGURE_COUNT	53
CLONE_COUNT	12
DEPLOY_COUNT	0
CHANGEHOST_COUNT	18
CHANGEDS_COUNT	1
CHANGEHOSTDS_COUNT	0
VMOTION_COUNT	2
SVMOTION_COUNT	4

VPXV_EVENTS

```

SELECT
EVENT_ID, CHAIN_ID, EVENT_TYPE, EXTENDED_CLASS, CREATE_TIME, USERNAME, CATEGORY,
VM_ID, VM_NAME, HOST_ID, HOST_NAME, COMPUTERESOURCE_ID, COMPUTERESOURCE_TYPE,
COMPUTERESOURCE_NAME, DATACENTER_ID, DATACENTER_NAME, DATASTORE_ID,
DATASTORE_NAME, NETWORK_ID, NETWORK_NAME, NETWORK_TYPE, DVS_ID, DVS_NAME
FROM
    dbo.VPX_EVENT

```

EVENT_ID	1
CHAIN_ID	1
EVENT_TYPE	vim.event.ServerStartedSessionEvent
EXTENDED_CLASS	0
CREATE_TIME	2010-08-07 13:31:00.123
USERNAME	NULL
CATEGORY	info
VM_ID	NULL
VM_NAME	NULL
HOST_ID	NULL
HOST_NAME	NULL
COMPUTERESOURCE_ID	NULL
COMPUTERESOURCE_TYPE	NULL
COMPUTERESOURCE_NAME	NULL
DATACENTER_ID	NULL
DATACENTER_NAME	NULL
DATASTORE_ID	NULL
DATASTORE_NAME	NULL
NETWORK_ID	NULL
NETWORK_NAME	NULL
NETWORK_TYPE	NULL
DVS_ID	NULL
DVS_NAME	NULL

VPXV_FARMGROUPS

```
SELECT  
ID AS FARMGROUPID, NAME, PARENT_ID AS PARENTID  
FROM      dbo.VPX_ENTITY AS e  
WHERE     (TYPE_ID = 7)
```

FARMGROUPID	NAME	PARENTID
1	Datacenters	NULL

VPXV_FIELDS

```
SELECT      ID AS FIELDID, NAME
FROM        dbo.VPX_FIELD_DEF
```

FIELDID	NAME
1	com.vmware.vclntegrity.customField.scheduledTask.action
2	com.vmware.vclntegrity.customField.scheduledTask.signature
3	com.vmware.vclntegrity.customField.scheduledTask.target
4	com.vmware.converter.action
5	com.vmware.converter.job

VPXV_HIST_STAT_DAILY

```

SELECT
st.SAMPLE_TIME, COALESCE (sd.FIXED_COLLECTION_INTERVAL, st.SAMPLE_INTERVAL) AS
SAMPLE_INTERVAL, sd.ID AS STAT_ID, sd.NAME AS STAT_NAME, sd.GROUP_NAME AS STAT_GROUP,
CASE sd.ROLLUP_TYPE WHEN 0 THEN 'average' WHEN 1 THEN 'maximum' WHEN 2 THEN 'minimum'
WHEN 3 THEN 'latest' WHEN 4 THEN 'summation' WHEN 5 THEN 'none' END AS STAT_ROLLUP_TYPE,
sc.COUNTER_ID, si.MOID AS ENTITY, d.DEVICE_NAME, sdt.DEVICE_TYPE_NAME, hs.STAT_VAL AS
STAT_VALUE
FROM          dbo.VPX_SAMPLE_TIME1 AS st
INNER JOIN
              dbo.VPX_HIST_STAT1 AS hs
INNER JOIN
              dbo.VPX_STAT_COUNTER AS sc ON hs.COUNTER_ID = sc.COUNTER_ID
INNER JOIN
              dbo.VPX_STAT_DEF AS sd ON sc.STAT_ID = sd.ID
INNER JOIN
              dbo.VPX_DEVICE AS d
LEFT OUTER JOIN
              dbo.VPX_STAT_DEV_TYPE AS sdt ON d.DEVICE_ID = sdt.DEVICE_ID
LEFT OUTER JOIN
              dbo.VPX_STAT_DEV_TYPE_DEF AS sdt_d
ON sdt.DEVICE_TYPE_ID = sdt_d.DEVICE_TYPE_ID ON sc.DEVICE_ID = ISNULL(d.DEVICE_ID, 1)
ON st.TIME_ID = hs.TIME_ID
INNER JOIN
              dbo.VPX_STAT_ID AS si ON sc.ENTITY_ID = si.ID

```

SAMPLE_TIME	2010-08-28 10:55:00.000
SAMPLE_INTERVAL	300
STAT_ID	220
STAT_NAME	systemcpuusage
STAT_GROUP	vcResources
STAT_ROLLUP_TYPE	average
COUNTER_ID	1
ENTITY	group-d1
DEVICE_NAME	
DEVICE_TYPE_NAME	NULL
STAT_VALUE	99

VPXV_HIST_STAT_MONTHLY

```

SELECT      st.SAMPLE_TIME, COALESCE (sd.FIXED_COLLECTION_INTERVAL,
st.SAMPLE_INTERVAL) AS SAMPLE_INTERVAL, sd.ID AS STAT_ID,
           sd.NAME AS STAT_NAME, sd.GROUP_NAME AS STAT_GROUP,
           CASE sd.ROLLUP_TYPE WHEN 0 THEN 'average' WHEN 1 THEN 'maximum' WHEN 2
THEN 'minimum' WHEN 3 THEN 'latest' WHEN 4 THEN 'summation'
           WHEN 5 THEN 'none' END AS STAT_ROLLUP_TYPE, sc.COUNTER_ID, si.MOID AS
ENTITY, d.DEVICE_NAME, sdt.DEVICE_TYPE_NAME,
           hs.STAT_VAL AS STAT_VALUE
FROM        dbo.VPX_SAMPLE_TIME3 AS st INNER JOIN
           dbo.VPX_HIST_STAT3 AS hs INNER JOIN
           dbo.VPX_STAT_COUNTER AS sc ON hs.COUNTER_ID = sc.COUNTER_ID INNER JOIN
           dbo.VPX_STAT_DEF AS sd ON sc.STAT_ID = sd.ID INNER JOIN
           dbo.VPX_DEVICE AS d LEFT OUTER JOIN
           dbo.VPX_STAT_DEV_TYPE AS sdt ON d.DEVICE_ID = sdt.DEVICE_ID LEFT OUTER
JOIN
           dbo.VPX_STAT_DEV_TYPE_DEF AS sdt ON sdt.DEVICE_TYPE_ID =
sdt.DEVICE_TYPE_ID ON sc.DEVICE_ID = ISNULL(d.DEVICE_ID, 1) ON
           st.TIME_ID = hs.TIME_ID INNER JOIN
           dbo.VPX_STAT_ID AS si ON sc.ENTITY_ID = si.ID

```

SAMPLE_TIME	2010-08-07 13:00:00.000
SAMPLE_INTERVAL	7200
STAT_ID	220
STAT_NAME	systemcpuusage
STAT_GROUP	vcResources
STAT_ROLLUP_TYPE	average
COUNTER_ID	1
ENTITY	group-d1
DEVICE_NAME	
DEVICE_TYPE_NAME	NULL
STAT_VALUE	81

VPXV_HIST_STAT_WEEKLY

```

SELECT      st.SAMPLE_TIME, COALESCE (sd.FIXED_COLLECTION_INTERVAL,
st.SAMPLE_INTERVAL) AS SAMPLE_INTERVAL, sd.ID AS STAT_ID,
           sd.NAME AS STAT_NAME, sd.GROUP_NAME AS STAT_GROUP,
           CASE sd.ROLLUP_TYPE WHEN 0 THEN 'average' WHEN 1 THEN 'maximum' WHEN 2
THEN 'minimum' WHEN 3 THEN 'latest' WHEN 4 THEN 'summation'
           WHEN 5 THEN 'none' END AS STAT_ROLLUP_TYPE, sc.COUNTER_ID, si.MOID AS
ENTITY, d.DEVICE_NAME, sdt.DEVICE_TYPE_NAME,
           hs.STAT_VAL AS STAT_VALUE
FROM        dbo.VPX_SAMPLE_TIME2 AS st INNER JOIN
           dbo.VPX_HIST_STAT2 AS hs INNER JOIN
           dbo.VPX_STAT_COUNTER AS sc ON hs.COUNTER_ID = sc.COUNTER_ID INNER JOIN
           dbo.VPX_STAT_DEF AS sd ON sc.STAT_ID = sd.ID INNER JOIN
           dbo.VPX_DEVICE AS d LEFT OUTER JOIN
           dbo.VPX_STAT_DEV_TYPE AS sdt ON d.DEVICE_ID = sdt.DEVICE_ID LEFT OUTER
JOIN
           dbo.VPX_STAT_DEV_TYPE_DEF AS sdt ON sdt.DEVICE_TYPE_ID =
sdt.DEVICE_TYPE_ID ON sc.DEVICE_ID = ISNULL(d.DEVICE_ID, 1) ON
           st.TIME_ID = hs.TIME_ID INNER JOIN
           dbo.VPX_STAT_ID AS si ON sc.ENTITY_ID = si.ID

```

SAMPLE_TIME	2010-08-22 12:00:00.000
SAMPLE_INTERVAL	1800
STAT_ID	220
STAT_NAME	systemcpuusage
STAT_GROUP	vcResources
STAT_ROLLUP_TYPE	average
COUNTER_ID	1
ENTITY	group-d1
DEVICE_NAME	
DEVICE_TYPE_NAME	NULL
STAT_VALUE	99

VPXV_HIST_STAT_YEARLY

```

SELECT      st.SAMPLE_TIME, COALESCE (sd.FIXED_COLLECTION_INTERVAL,
st.SAMPLE_INTERVAL) AS SAMPLE_INTERVAL, sd.ID AS STAT_ID,
           sd.NAME AS STAT_NAME, sd.GROUP_NAME AS STAT_GROUP,
           CASE sd.ROLLUP_TYPE WHEN 0 THEN 'average' WHEN 1 THEN 'maximum' WHEN 2
THEN 'minimum' WHEN 3 THEN 'latest' WHEN 4 THEN 'summation'
           WHEN 5 THEN 'none' END AS STAT_ROLLUP_TYPE, sc.COUNTER_ID, si.MOID AS
ENTITY, d.DEVICE_NAME, sdt.DEVICE_TYPE_NAME,
           hs.STAT_VAL AS STAT_VALUE
FROM        dbo.VPX_SAMPLE_TIME4 AS st INNER JOIN
           dbo.VPX_HIST_STAT4 AS hs INNER JOIN
           dbo.VPX_STAT_COUNTER AS sc ON hs.COUNTER_ID = sc.COUNTER_ID INNER JOIN
           dbo.VPX_STAT_DEF AS sd ON sc.STAT_ID = sd.ID INNER JOIN
           dbo.VPX_DEVICE AS d LEFT OUTER JOIN
           dbo.VPX_STAT_DEV_TYPE AS sdt ON d.DEVICE_ID = sdt.DEVICE_ID LEFT OUTER
JOIN
           dbo.VPX_STAT_DEV_TYPE_DEF AS sdt ON sdt.DEVICE_TYPE_ID =
sdt.DEVICE_TYPE_ID ON sc.DEVICE_ID = ISNULL(d.DEVICE_ID, 1) ON
           st.TIME_ID = hs.TIME_ID INNER JOIN
           dbo.VPX_STAT_ID AS si ON sc.ENTITY_ID = si.ID

```

SAMPLE_TIME	2010-08-07 00:00:00.000
SAMPLE_INTERVAL	86400
STAT_ID	220
STAT_NAME	systemcpuusage
STAT_GROUP	vcResources
STAT_ROLLUP_TYPE	average
COUNTER_ID	1
ENTITY	group-d1
DEVICE_NAME	
DEVICE_TYPE_NAME	NULL
STAT_VALUE	90

VPXV_HOST_CPU

```

SELECT      e.ID AS HOSTID, e.NAME, h.CPU_INDEX AS CPU_PACKAGE_INDEX, h.HZ AS
CPU_SPEED, h.BUS_HZ AS BUS_SPEED,
           h.DESCRPTION AS CPU_DESCRIPTION, h.VENDOR AS CPU_VENDOR_NAME
FROM        dbo.VPX_ENTITY AS e INNER JOIN
           dbo.VPX_HOST_CPU AS h ON e.ID = h.HOST_ID

```

HOSTID	72
NAME	esxi-23.home.hc
CPU_PACKAGE_INDEX	0
CPU_SPEED	3001504961
BUS_SPEED	65967142
CPU_DESCRIPTION	Intel(R) Core(TM)2 Duo CPU E8400 @ 3.00GHz
CPU_VENDOR_NAME	intel

VPXV_HOST_DATASTORE

```

SELECT      dbo.VPX_DS_ASSIGNMENT.ENTITY_ID AS HOST_ID,
dbo.VPX_DS_ASSIGNMENT.DS_ID, dbo.VPX_DS_ASSIGNMENT.ACCESSIBLE,
           dbo.VPX_DS_ASSIGNMENT.MOUNT_PATH,
dbo.VPX_DS_ASSIGNMENT.MOUNT_ID, dbo.VPX_DS_ASSIGNMENT.MOUNT_MODE
FROM        dbo.VPX_ENTITY INNER JOIN
           dbo.VPX_DS_ASSIGNMENT ON dbo.VPX_ENTITY.ID =
dbo.VPX_DS_ASSIGNMENT.ENTITY_ID
WHERE       (dbo.VPX_ENTITY.TYPE_ID = 1)

```

HOST_ID	DS_ID	ACCESSIBLE	MOUNT_PATH	MOUNT_ID	MOUNT_MODE
61	62	1	/vmfs/volumes/be455b13-e1a6c8e3	NULL	readOnly
61	63	1	/vmfs/volumes/1c445c7d-fd56af7a	NULL	readWrite
61	65	1	/vmfs/volumes/4c5cc8e0-80fe1968-98ec-000c29829b7f	NULL	readWrite
61	127	1	/vmfs/volumes/4c654f65-75b87896-ef8e-000c29829b75	NULL	readWrite
61	128	1	/vmfs/volumes/4c65661f-1a2e18b5-783e-000c29829b75	NULL	readWrite
61	201	1	/vmfs/volumes/4c62c8c2-ecb7f710-88ac-000c29829b75	NULL	readWrite

VPXV_HOST_NETWORK

```
SELECT      dbo.VPX_NW_ASSIGNMENT.ENTITY_ID AS HOST_ID,  
            dbo.VPX_NW_ASSIGNMENT.NETWORK_ID  
FROM        dbo.VPX_ENTITY INNER JOIN  
            dbo.VPX_NW_ASSIGNMENT ON dbo.VPX_ENTITY.ID =  
            dbo.VPX_NW_ASSIGNMENT.ENTITY_ID  
WHERE       (dbo.VPX_ENTITY.TYPE_ID = 1)
```

HOST_ID	NETWORK_ID
61	66
61	67
61	68
61	130
72	66
72	67
72	68
74	66
74	67
74	68
134	137

VPXV_HOSTS

```

SELECT          e.ID AS HOSTID, e.NAME, e.PARENT_ID AS FARMID, h.DATACENTER_ID,
                CASE WHEN h.SOAP_PORT > 0 THEN h.SOAP_PORT ELSE h.AUTHD_PORT END AS
PORT, h.USER_NAME AS USERNAME, h.PASSWORD, h.PASSWORD_LAST_UPD_DT, h.ENABLED,
h.VMOTION_ENABLED, h.HOST_VENDOR, h.HOST_MODEL, h.CPU_MODEL, h.CPU_COUNT,
h.CPU_CORE_COUNT, h.CPU_HZ, h.CPU_THREAD_COUNT, h.CPU_POWER_MGMT_POLICY,
h.CPU_POWER_MGMT_SUPPORT, h.MEM_SIZE, h.BOOT_TIME, h.DNS_NAME, h.PRODUCT_NAME,
h.PRODUCT_FULLNAME, h.PRODUCT_VERSION, h.PRODUCT_BUILD, h.PRODUCT_VENDOR,
h.PRODUCT_OS_TYPE, h.PRODUCT_API_TYPE, h.PRODUCT_API_VERSION, h.IP_ADDRESS,
h.UUID_BIOS, h.LICENSED_EDITION, h.NIC_COUNT, h.HBA_COUNT, h.DAS_NODE_NAME,
CASE h.POWER_STATE WHEN 0 THEN 'Off' WHEN 1 THEN 'On' WHEN 2 THEN 'Suspended' END AS
POWER_STATE, h.LOCAL_IP_ADDRESS, h.HOST_KEY, h.MANAGEMENT_IP, CASE
h.MAINTENANCE_MODE WHEN 0 THEN 'NO' WHEN 1 THEN 'YES' END AS MMode
FROM            dbo.VPX_ENTITY AS e INNER JOIN
                dbo.VPX_HOST AS h ON e.ID = h.ID

```

HOSTID	72
NAME	esxi-23.home.hc
FARMID	96
DATACENTER_ID	17
PORT	443
USERNAME	vpxuser
PASSWORD	*uaYc3gZOjKWcVwwrcyXldFNITkW/gDrKYX8TVnkYQC0TcNQwcVN rdiZVBtmoLNez/52TnvKW6cqC1MgRYEfXzExZk+FCvgNSU2lgV5BEN IPQ7xyIE9xnCfcYGzaomUEb7lgKxKGd7bjJF4EE6n0zkFxsks18hZG5W 8Y6QTByB8nljhCG9FSu+3c+2ral4XFZbaf12YfykvuhtlUvM3chymMf gFIY2xcowiWRyJAhanhpTaZZZxSb5k/OhJb7Raw8R3EbGIMWEkKUrc sWqWnfhrn3cdjhsDqvDYdkqPz5v/16fK0koSdA8XjHj8UVYRuGLyvn 536p6x+fUeMAilZxJQ==
PASSWORD_LAST_UPD_DT	2010-08-10 10:12:27.120
ENABLED	1
VMOTION_ENABLED	1
HOST_VENDOR	VMware, Inc.
HOST_MODEL	VMware Virtual Platform
CPU_MODEL	Intel(R) Core(TM)2 Duo CPU E8400 @ 3.00GHz
CPU_COUNT	1
CPU_CORE_COUNT	1
CPU_HZ	3001504961
CPU_THREAD_COUNT	1
CPU_POWER_MGMT_POLICY	Not supported
CPU_POWER_MGMT_SUPPORT	Not available
MEM_SIZE	2356490240
BOOT_TIME	2010-08-17 09:59:06.583
DNS_NAME	esxi-23.home.hc
PRODUCT_NAME	VMware ESXi
PRODUCT_FULLNAME	VMware ESXi 4.1.0 build-260247
PRODUCT_VERSION	4.1.0

PRODUCT_BUILD	260247
PRODUCT_VENDOR	VMware, Inc.
PRODUCT_OS_TYPE	vmnix-x86
PRODUCT_API_TYPE	HostAgent
PRODUCT_API_VERSION	4.1
IP_ADDRESS	192.168.9.221
UUID_BIOS	564d1554-07ad-d720-7a0f-5eca9a1ad87f
LICENSED_EDITION	
NIC_COUNT	6
HBA_COUNT	4
DAS_NODE_NAME	NULL
POWER_STATE	NULL
LOCAL_IP_ADDRESS	192.168.9.231
HOST_KEY	522c4786-a024-2f75-e8e3-cd8d8f23cda3
MANAGEMENT_IP	
Mmode	NO

VPXV_OBJECT_TYPE

```
SELECT      ID AS OBJECTID, NAME AS OBJECTNAME
FROM        dbo.VPX_OBJECT_TYPE
```

OBJECTID	OBJECTNAME
0	VM
1	HOST
2	COMPUTE_RESOURCE
3	CLUSTER_COMPUTE_RESOURCE
4	RESOURCE POOL
5	VM_FOLDER
6	HOST_FOLDER
7	DATACENTER_FOLDER
8	DATACENTER
9	ALARM
10	SCHEDULED_TASK
11	TASK
12	EXTENSION
13	VAPP
14	DVSWITCH
15	DVPORTGROUP
16	DATASTORE_FOLDER
17	NETWORK_FOLDER
18	DATASTORE
19	NETWORK

VPXV_RESOURCE_POOL

```

SELECT      e.ID AS RESOURCEPOOLID, e.NAME, e.PARENT_ID, r.ALLOCATED_CPU,
r.ALLOCATED_VM_CPU, r.AVAILABLE_POOL_CPU, r.AVAILABLE_VM_CPU, r.ALLOCATED_MEM,
r.ALLOCATED_VM_MEM, r.AVAILABLE_POOL_MEM, r.AVAILABLE_VM_MEM, r.CURRENT_CPU,
r.CURRENT_MEM, r.OVERALL_STATUS, r.FOLDER_ID
FROM        dbo.VPX_ENTITY AS e INNER JOIN
           dbo.VPX_RESOURCE_POOL AS r ON e.ID = r.ID

```

RESOURCEPOOLID	133
NAME	Resources
PARENT_ID	132
ALLOCATED_CPU	0
ALLOCATED_VM_CPU	0
AVAILABLE_POOL_CPU	4495
AVAILABLE_VM_CPU	4495
ALLOCATED_MEM	0
ALLOCATED_VM_MEM	0
AVAILABLE_POOL_MEM	6359613440
AVAILABLE_VM_MEM	6359613440
CURRENT_CPU	0
CURRENT_MEM	0
OVERALL_STATUS	green
FOLDER_ID	0

VPXV_SNAPSHOT

```

SELECT          ID AS SNAPSHOT_ID, HOST_SNAPSHOT_ID, VM_ID, SNAPSHOT_NAME,
CREATE_TIME, POWER_STATE, IS_QUIESCED, SNAPSHOT_UID, PARENT_SNAPSHOT_ID,
IS_CURRENT_SNAPSHOT
FROM            dbo.VPX_SNAPSHOT AS s

```

SNAPSHOT_ID	141
HOST_SNAPSHOT_ID	<obj versionId="4.1" type="VirtualMachineSnapshot" xmlns="urn:vim25" xsi:type="ManagedObjectReference">80-snapshot-4</obj>
VM_ID	140
SNAPSHOT_NAME	sn1
CREATE_TIME	2010-08-20 11:57:43.597
POWER_STATE	0
IS_QUIESCED	0
SNAPSHOT_UID	4
PARENT_SNAPSHOT_ID	-1
IS_CURRENT_SNAPSHOT	1

VPXV_STAT_COUNTERS

```

SELECT          ID, CASE sd.ROLLUP_TYPE WHEN 0 THEN 'average' WHEN 1 THEN 'maximum' WHEN
2 THEN 'minimum' WHEN 3 THEN 'latest' WHEN 4 THEN 'summation' WHEN 5 THEN 'none' END AS
STAT_ROLLUP, NAME, GROUP_NAME, CASE sd.TYPE WHEN 0 THEN 'absolute' WHEN 1 THEN 'delta'
WHEN 2 THEN 'rare' END AS TYPE, UNIT, ASSOCIATE_IDS, STAT_LEVEL AS STATS_LEVEL,
FIXED_COLLECTION_INTERVAL
FROM            dbo.VPX_STAT_DEF AS sd

```

ID	STAT_ROLLUP	NAME	GROUP_NAME	TYPE	UNIT	ASSOCIATE_IDS	STATS_LEVEL	FIXED_COLLECTION_INTERVAL
1	none	usage	cpu	rare	percent	NULL	4	NULL
2	average	usage	cpu	rare	percent	NULL	1	NULL
3	minimum	usage	cpu	rare	percent	NULL	4	NULL
4	maximum	usage	cpu	rare	percent	NULL	4	NULL
5	none	usagemhz	cpu	rare	megaHertz	NULL	4	NULL
6	average	usagemhz	cpu	rare	megaHertz	NULL	1	NULL
7	minimum	usagemhz	cpu	rare	megaHertz	NULL	4	NULL
8	maximum	usagemhz	cpu	rare	megaHertz	NULL	4	NULL
9	average	reservedCapacity	cpu	absolute	megaHertz	NULL	2	NULL
10	summation	system	cpu	delta	millisecond	NULL	3	NULL
11	summation	wait	cpu	delta	millisecond	NULL	3	NULL

VPXV_STAT_HISTORICAL_INTERVALS

```
SELECT          INTERVAL_SEQ_NUM AS ID, INTERVAL_DEF_NAME AS NAME, INTERVAL_VAL AS
SAMPLING_PERIOD, INTERVAL_LENGTH AS LENGTH, STATS_LEVEL, CASE sid.ROLLUP_ENABLED_FLG
WHEN 1 THEN 'Y' WHEN 0 THEN 'N' END AS ENABLED
FROM            dbo.VPX_STAT_INTERVAL_DEF AS sid
```

ID	NAME	SAMPLING_PERIOD	LENGTH	STATS_LEVEL	ENABLED
1	history.PastDay	300	86400	1	Y
2	history.PastWeek	1800	604800	1	Y
3	history.PastMonth	7200	2592000	1	Y
4	history.PastYear	86400	31536000	1	Y

VPXV_TASKS

```

SELECT      t.SCHEDULEDTASK_ID AS TASKID, t.NAME, t.ENABLED, CASE SCHEDULER_TYPE
WHEN 'vim.scheduler.OnceTaskScheduler' THEN 'once' WHEN
'vim.scheduler.AfterStartupTaskScheduler' THEN 'afterStartup' WHEN
'vim.scheduler.HourlyTaskScheduler' THEN 'hourly' WHEN 'vim.scheduler.DailyTaskScheduler' THEN
'daily' WHEN 'vim.scheduler.WeeklyTaskScheduler' THEN 'weekly' WHEN
'vim.scheduler.MonthlyTaskScheduler' THEN 'monthly' END AS FREQUENCY, CASE COMPLETE_STATE
WHEN 'success' THEN 'done' WHEN 'error' THEN 'error' END AS STATUS, t.NOTIFICATION AS SENDTO
FROM        dbo.VPX_SCHEDULEDTASK AS t INNER JOIN
            dbo.VPX_SCHED_SCHEDULER AS s ON t.SCHEDULEDTASK_ID = s.SCHEDULEDTASK_ID

```

TASKID	NAME	ENABLED	FREQUENCY	STATUS	SENDTO
1	VMware vCenter Update Manager Update Download	1	daily	done	
2	VMware vCenter Update Manager Check Notification	1	hourly	done	

VPXV_TEMPLATES

```
SELECT      e.ID AS TEMPLATEID, e.NAME, v.DESCRPTION
FROM        dbo.VPX_ENTITY AS e INNER JOIN
           dbo.VPX_VM AS v ON e.ID = v.ID
WHERE       (v.IS_TEMPLATE = 1)
```

TEMPLATEID	NAME	DESCRIPTION
169	XPPRO TEMPLATE	

VPX_VM_DATASTORE

```

SELECT      dbo.VPX_DS_ASSIGNMENT.ENTITY_ID AS VM_ID, dbo.VPX_DS_ASSIGNMENT.DS_ID
FROM        dbo.VPX_ENTITY INNER JOIN
dbo.VPX_DS_ASSIGNMENT ON dbo.VPX_ENTITY.ID =
dbo.VPX_DS_ASSIGNMENT.ENTITY_ID
WHERE       (dbo.VPX_ENTITY.TYPE_ID = 0)

```

VM_ID	DS_ID
111	63
112	63
113	63
114	63
115	127
121	63
122	63
131	129
138	135
140	63
146	135
150	136
151	136
152	136
157	136
159	63
161	63
169	135
202	62
202	201

VPXV_VM_NETWORK

```

SELECT      dbo.VPX_NW_ASSIGNMENT.ENTITY_ID AS VM_ID,
dbo.VPX_NW_ASSIGNMENT.NETWORK_ID
FROM        dbo.VPX_ENTITY INNER JOIN
dbo.VPX_NW_ASSIGNMENT ON dbo.VPX_ENTITY.ID = dbo.VPX_NW_ASSIGNMENT.ENTITY_ID
WHERE       (dbo.VPX_ENTITY.TYPE_ID = 0)

```

VM_ID	NETWORK_ID
111	164
112	66
113	164
114	66
115	45
121	66
122	66
131	66
138	137
140	137
146	45
146	137
150	45
150	137
151	45
151	137
152	45
152	147
152	148
152	149
157	45
157	137
159	137

VPX_VM_RDM_LUN_INFO

```
SELECT      T1.VM_ID, T2.DEVICE_BACKING_LUN_UUID
FROM        dbo.VPX_VDEVICE_FILE_BACKING AS T1 INNER JOIN
           dbo.VPX_VDEVICE_FILE_BACKING_X AS T2 ON T1.BACKING_ID = T2.BACKING_ID
```

VM_ID	DEVICE_BACKING_LUN_UUID
121	NULL
122	NULL
131	NULL
138	NULL
138	NULL
140	NULL

VPXV_VMGROUPS

```
SELECT      ID AS VMGROUPID, NAME, PARENT_ID AS PARENTID
FROM        dbo.VPX_ENTITY AS e
WHERE       (TYPE_ID = 5)
```

VMGROUPID	NAME	PARENTID
18	vm	17
46	Discovered virtual machine	18

VPX_VMS

```

SELECT
e.ID AS VMID, e.NAME, e.PARENT_ID AS VMGROUPID, v.HOST_ID AS HOSTID, v.FILE_NAME AS
CONFIGFILENAME, v.UUID_BIOS AS VMUNIQUEID, v.RESOURCE_GROUP_ID, v.MEM_SIZE_MB,
v.NUM_VCPU, v.BOOT_TIME, v.SUSPEND_TIME, CASE v.POWER_STATE WHEN 0 THEN 'Off' WHEN 1
THEN 'On' WHEN 2 THEN 'Suspended' END AS POWER_STATE, v.GUEST_OS, v.GUEST_FAMILY,
v.GUEST_STATE, v.MEMORY_RESERVATION, v.MEMORY_OVERHEAD, v.CPU_RESERVATION,
v.DNS_NAME, v.IP_ADDRESS, CASE v.Tools_Status WHEN 0 THEN 'Not Installed' WHEN 1 THEN 'Not
Running' WHEN 2 THEN 'Old' WHEN 3 THEN 'OK' END AS VMMWARE_TOOL, v.TOOLS_VERSION,
v.NUM_NIC, v.NUM_DISK, v.IS_TEMPLATE, v.DESCRPTION, v.ANNOTATION, v.SUSPEND_INTERVAL,
v.AGGR_COMMITTED_STORAGE_SPACE, v.AGGR_UNCOMMITTED_STORAGE_SPACE,
v.AGGR_UNSHARED_STORAGE_SPACE, v.STORAGE_SPACE_UPDATED_TIME
FROM          dbo.VPX_ENTITY AS e INNER JOIN
              dbo.VPX_VM AS v ON e.ID = v.ID

```

VMID	121
NAME	ubuntuServer8.04-1
VMGROUPID	46
HOSTID	74
CONFIGFILENAME	netfs://192.168.9.222//media/dwl/public/NFS/ubuntuServer8.04-1/ubuntuServer8.04-1.vmx
VMUNIQUEID	564d84d7-ed2b-751b-1e45-7a79cc0a3edc
RESOURCE_GROUP_ID	166
MEM_SIZE_MB	256
NUM_VCPU	1
BOOT_TIME	NULL
SUSPEND_TIME	NULL
POWER_STATE	Off
GUEST_OS	NULL
GUEST_FAMILY	NULL
GUEST_STATE	notRunning
MEMORY_RESERVATION	NULL
MEMORY_OVERHEAD	141451264
CPU_RESERVATION	NULL
DNS_NAME	NULL
IP_ADDRESS	NULL
VMMWARE_TOOL	Not Running
Tools_Version	NULL
NUM_NIC	2
NUM_DISK	1
IS_TEMPLATE	0
DESCRIPTION	ubuntu Server 8.04 LTS x86
ANNOTATION	ubuntu Server 8.04 LTS x86
SUSPEND_INTERVAL	0
AGGR_COMMITTED_STORAGE_SPACE	1188291663
AGGR_UNCOMMITTED_STORAGE_SPACE	16266059776
AGGR_UNSHARED_STORAGE_SPACE	16266059776

AGGR_UNSHARED_STORAGE_SPACE	1188291663
STORAGE_SPACE_UPDATED_TIME	2010-08-23 06:54:36.843