Get-XenServer:VIF.Network

Get-XenServer:VIF.OtherConfig

Get-XenServer:VIF.StatusCode

Get-XenServer:VIF.StatusDetail

Get-XenServer:VIF.Uuid

Get-XenServer:VIFMetrics

Invoke-XenServer:VIF.Plug

Invoke-XenServer:VIF.Unplug

Set-XenServer:VIF.OtherConfig

Get-XenServer:VDI.XenstoreData

Invoke-XenServer:VDI.DbForget

Invoke-XenServer:VDI.DbIntroduc

Invoke-XenServer:VDI.Introduce

Invoke-XenServer:VDI.ResizeOnline

Remove-XenServer:VDI.OtherConfid

Remove-XenServer:VDI.SmConfig

Invoke-XenServer:VDI.Snapshot

Invoke-XenServer:VDI.Update

Remove-XenServer:VDI.Tags

Set-XenServer:VDI.AllowCaching

Set-XenServer:VDI.Managed

Set-XenServer:VDI.Missing

Set-XenServer:VDI.OnBoot

Set-XenServer:VDI.NameDescripti

Set-XenServer:VDI.OtherConfig

Set-XenServer:VDI.ReadOnly

Set-XenServer:VDI.SmConfig

Set-XenServer:VDI.VirtualSize

Set-XenServer:VDI.XenstoreDat

Set-XenServer:VDI.Sharable

Set-XenServer:VDI.Tags

Get-XenServer:VBD.VD

Get-XenServer:VBD.VM

Get-XenServer:VBDMetrics

Invoke-XenServer:VBD.Eject

Invoke-XenServer:VBD.Insert

Invoke-XenServer:VBD.Plug

Set-XenServer:VBD.Bootable

Set-XenServer:VBD.OtherConfig

Set-XenServer:VBD.Unpluggable

Set-XenServer:VBD.Userdevice

Set-XenServer:VBD.QosAlgorithmParam

Set-XenServer:VBD_metrics.OtherConfig

Set-XenServer:VBD.QosAlgorithmType

Set-XenServer:VBD.Mode

Set-XenServer:VBD.Type

Invoke-XenServer:VBD.Unplug

Invoke-XenServer:VBD.UnplugForce

Remove-XenServer:VBD.OtherConfig

Remove-XenServer:VBD.QosAlgorithmParam

Remove-XenServer:VBD_metrics.OtherConfig

Get-XenServer:VBD_metrics.loReadKbs

Get-XenServer:VBD_metrics.IoWriteKbs

Get-XenServer:VBD_metrics.LastUpdated

Get-XenServer:VBD_metrics.OtherConfig

Invoke-XenServer:VBD.AssertAttachable

Get-XenServer:VBD_metrics.Uuid

Invoke-XenServer:VDI.Clone

Virtual Disk Image (VDI)

Get-XenServer:VIF.QosAlgorithmParam

Get-XenServer:VIF.QosAlgorithmType

et-XenServer:VIF.QosSupportedAlgor

Get-XenServer:VIF.RuntimeProperties

Get-XenServer:VIF_metrics.IoReadKbs

Get-XenServer:VIF metrics.IoWriteKbs

Get-XenServer:VIF metrics.LastUpdated

Get-XenServer:VIF_metrics.OtherConfig

Remove-XenServer:VIF.OtherConfig

Set-XenServer:VIF.QosAlgorithmParam

Set-XenServer: VIF. QosAlgorithm Type

Set-XenServer:VIF_metrics.OtherConfig

Remove-XenServer:VIF.QosAlgorithmParar

Remove-XenServer:VIF_metrics.OtherConfig



Create-XenServer:Message Destroy-XenServer:Message Get-XenServer:Message Get-XenServer:Message.Since

Console

Add-XenServer:Console.OtherConfig Destroy-XenServer:Console Get-XenServer:Console Get-XenServer:Console.Location Get-XenServer:Console.OtherConfig Get-XenServer:Console.Protocol Get-XenServer:Console.Uuid Get-XenServer:Console.VM Remove-XenServer:Console.OtherConfig Set-XenServer:Console.OtherConfig

VM Crashdump (Crashdum)

Get-XenServer:Crashdump Get-XenServer:Crashdump,OtherConfig Get-XenServer:Crashdump.Uuid Remove-XenServer:Crashdump.OtherConfig Set-XenServer:Crashdump.OtherConfig

Get-XenServer:Host.PIFs Virtual Network (Network Get-XenServer:Host.PowerOnMode Get-XenServer:Host,ResidentVMs Get-XenServer:Host.SchedPolicy Get-XenServer:Host.ServerCertificat Add-XenServer:Network.Tags Create-XenServer:Network Get-XenServer:Host.Servertime Destroy-XenServer:Network Get-XenServer:Host.SoftwareVersion Get-XenServer:Network Get-XenServer:Host.SupportedBootloade Get-XenServer:Host.SuspendImageSr Get-XenServer:Network.AllowedOperation Get-XenServer:Network.Blobs Get-XenServer:Network.Bridge Get-XenServer:Host.Unc Get-XenServer: Network. Current Operation Get-XenServer:Network.MTU Get-XenServer:Host cpu.Host Get-XenServer:Host_cpu.Mode Get-XenServer:Host cpu.Modelnar Get-XenServer:Host cpu.OtherConfi Get-XenServer:Host cpu.Speed et-XenServer:Host_cpu.Stepping XenServer:Host_cpu.Utilisat

Get-XenServer:Host.Uuid Get-XenServer:Host.VmsWhi t-XenServer:Host_cpu.Family Get-XenServer:Host cpu.Flags

Get-XenServer:Network.NameLabel Get-XenServer:Network.OtherConfig Get-XenServer:Network.PIFs Get-XenServer:Network.Tags Get-XenServer:Network.VIFs Invoke-XenServer:Network.CreateNewBlob Remove-XenServer:Network.OtherConfig Remove-XenServer:Network.Tags Set-XenServer:Network.MTU Set-XenServer:Network.NameDescription Set-XenServer:Network.NameLabel Set-XenServer:Network.OtherConfig

Virtual LAN (VLAN)

Set-XenServer:Network.Tags

Add-XenServer:VLAN.OtherConfig Create-XenServer:VLAN Destroy-XenServer:VLAN Get-XenServer:VLAN Get-XenServer:VLAN.OtherConfig Get-XenServer:VLAN.Tag Get-XenServer:VLAN.TaggedPIF Get-XenServer:VLAN.UntaggedPII Get-XenServer:VLAN.Uuid Remove-XenServer:VLAN.OtherConfig Set-XenServer:VLAN.OtherConfig

Virtual TPM (VTPM)

Create-XenServer:VTPM Destroy-XenServer:VTPM Get-XenServer:VTPM Get-XenServer:VTPM.Backend Get-XenServer:VTPM.Uuid Get-XenServer:VTPM.VM

Physical Host (Host)

Add-XenServer:Host.LicenseServe

Add-XenServer:Host cpu.OtherConfig

estrov-XenServer:Host crashdump

Get-XenServer:Host.AllowedOperation

Get-XenServer:Host APIVersionMajor

Get-XenServer:Host.APIVersionMinor

Get-XenServer:Host.BiosString

Get-XenServer:Host.Capabilitie

Get-XenServer:Host.Crashdumps

Get-XenServer:Host.CrashDumpS

Get-XenServer:Host.CurrentOperation

Get-XenServer:Host.HaNetworkPeer

Get-XenServer:Host.HaStatefiles

Get-XenServer:Host.HostCPUs

Get-XenServer:Host.Hostname

et-XenServer:Host.LicenseServe

Get-XenServer:Host.NameDescripti

Get-XenServer:Host.NameLabel

Get-XenServer:Host.OtherConfig

Get-XenServer:Host cpu.Vendor

Get-XenServer:Host crashdump.Host

Get-XenServer:Host_crashdump.Size

Get-XenServer:Host crashdump.Uuid

Add-XenServer:PIF.OtherConfig

Get-XenServer:PIF.BondMasterO

Get-XenServer:PIF.BondSlaveOf

Get-XenServer:PIF.Device

Get-XenServer:PIF.DNS

Get-XenServer:PIF.Gatewa

Get-XenServer:PIF.IpConfigu

Get-XenServer:PIF.Managemer

et-XenServer:PIF.Network

Get-XenServer:PIF.Physical

Get-XenServer:PIF.Uuid

Get-XenServer:PIF.VLAN

Get-XenServer:PIF.OtherConfig

Get-XenServer:PIF.TunnelAccessPIFC

Get-XenServer:PIF.TunnelTranspor

Get-XenServer:PIF.VLANMasterO

Get-XenServer:PIF.VLANSlaveOf

Get-XenServer:PIF.Host

Get-XenServer:PIF.MAC

Get-XenServer:PIF.Metrics

Get-XenServer:PIF.MTU

Get-XenServer:PIF.IP

Get-XenServer:PIF.CurrentlyAttache

Get-XenServer:PIF.DisallowUnplug

Destroy-XenServer:PIF

Add-XenServer:PIF metrics.OtherConfig

Get-XenServer:Host crashdump.OtherConfig

Get-XenServer:Host.LocalCacheSi

Get-XenServer:Host.Log

Get-XenServer:Host.Logging

Get-XenServer:Host.Metrics

Get-XenServer:Host.PBDs

Get-XenServer:Host.Blobs

Get-XenServer:Host.CpuInfo

Get-XenServer:Host.Edition

Get-XenServer:Host.Enabled

et-XenServer:Host.APIVersionVendor

Destroy-XenServer:Host patch

Add-XenServer:Host crashdump.OtherCon

Add-XenServer:Host metrics.OtherConfig

Add-XenServer:Host.Logging

Add-XenServer:Host.Tags

Destroy-XenServer:Host

Get-XenServer:Host

Get-XenServer:Host metrics.LastUpdated Get-XenServer:Host_metrics.Live Get-XenServer:Host metrics.MemoryTotal Get-XenServer:Host metrics.OtherConfig Get-XenServer:Host metrics.Uuid Get-XenServer:Host_patch.Applied Get-XenServer:Host_patch.NameDescription Get-XenServer:Host_patch.NameLabel Get-XenServer:Host patch.OtherConfig Get-XenServer:Host_patch.PoolPatch Get-XenServer:Host patch.Timestar Get-XenServer:Host natch Unid Get-XenServer:Host patch.Version Get-XenServer:HostCpu Get-XenServer:HostMetrics Get-XenServer:HostPatch Invoke-XenServer:Host.ApplyEdition Invoke-XenServer:Host.AssertCanEvacuate Invoke-XenServer:Host.BugreportUpload Invoke-XenServer:Host.CallPlugin Invoke-XenServer:Host.ComputeFreeMemory Invoke-XenServer:Host.ComputeMemoryOverhead nvoke-XenServer:Host.Disable Invoke-XenServer:Host.DisableExternalAuth Get-XenServer:Host,ExternalAuthConfiguration Invoke-XenServer:Host.DisableLocalStorageCaching Get-XenServer:Host.ExternalAuthServiceName Invoke-XenServer:Host.Dmesg Invoke-XenServer:Host.EmergencyHaDisable Invoke-XenServer:Host Enable Invoke-XenServer:Host.EnableExternalAuth Invoke-XenServer:Host.EnableLocalStorageCaching Invoke-XenServer:Host.ForgetDataSourceArchive Invoke-XenServer:Host.LicenseApply Invoke-XenServer:Host.ListMethods Invoke-XenServer:Host.LocalManagementReconfigur nvoke-XenServer:Host.ManagementReconfigure Invoke-XenServer:Host.PowerOn Invoke-XenServer:Host.QueryDataSource Invoke-XenServer:Host.Reboot nvoke-XenServer:Host.RefreshPackInfo Invoke-XenServer:Host.ResetCpuFeatures Invoke-XenServer:Host.RestartAgent Invoke-XenServer:Host.RetrieveWlbEvacua

Invoke-XenServer:Host.Shutdown

Invoke-XenServer:Host.SyncData

Invoke-XenServer:Host.ShutdownAgent

Invoke-XenServer:Host.SyslogReconfigure

nvoke-XenServer:Host_patch.Apply

Remove-XenServer:Host.LicenseServe

Remove-XenServer:Host.OtherConfig

Remove-XenServer:Host_cpu.OtherConfig

Remove-XenServer:Host crashdump.OtherConfi

Remove-XenServer:Host metrics.OtherConfig

Remove-XenServer:Host_patch.OtherConfig

Remove-XenServer:Host.Logging

Set-XenServer:Host.CpuFeatur

Set-XenServer:Host,CrashDumpSr

Set-XenServer:Host.HostnameLive

Set-XenServer:Host.NameDescriptio

Set-XenServer:Host.SuspendImageS

Set-XenServer:Host cpu.OtherConfig

Get-XenServer:PIF metrics.Carrier

Get-XenServer:PIF metrics.DeviceId

Get-XenServer:PIF metrics.DeviceName

Get-XenServer:PIF metrics.loReadKbs

Get-XenServer:PIF metrics.loWriteKbs

Get-XenServer:PIF metrics.LastUpdated

Get-XenServer:PIF_metrics.OtherConfig

Get-XenServer:PIF_metrics.PciBusPat

Get-XenServer:PIF metrics.Speed

Get-XenServer:PIF metrics.VendorId

nvoke-XenServer:PIF.CreateVLAN

Invoke-XenServer:PIF.DbIntroduce

Invoke-XenServer:PIF.Reconfigurely

Invoke-XenServer:PIF.DbForget

Invoke-XenServer:PIF.Forget

Invoke-XenServer:PIF.Plug

Invoke-XenServer:PIF.Scan

Invoke-XenServer:PIF.ScanBios

Invoke-XenServer:PIF.Unplug

Remove-XenServer:PIF.OtherConfig

Set-XenServer:PIF.DisallowUnplug

Set-XenServer:PIF_metrics.OtherCon

Set-XenServer:PIF.OtherConfig

Remove-XenServer:PIF metrics.OtherConfig

Get-XenServer:PIF metrics.VendorName

Get-XenServer:PIF metrics.Uuid

Set-XenServer:Host_crashdump.OtherConfig

Set-XenServer:Host metrics.OtherConfig

Set-XenServer:Host_patch.OtherConfig

Set-XenServer:Host.Hostname

Set-XenServer:Host.Logging

Set-XenServer:Host.NameLabel

Set-XenServer:Host.OtherConfig

Set-XenServer:Host.Tags

Physical Network Interface (PIF)

Multiple Hosts (Pool)

Add-XenServer:Pool.GuiConfig Invoke-XenServer:Pool.CrlUninsta Add-XenServer:Pool.OtherConfig Invoke-XenServer: Pool. Deconfigure WlbAdd-XenServer:Pool.Tags Invoke-XenServer:Pool.DetectNonhomogeneousExternalAuth Add-XenServer:Pool patch.OtherConfi Destroy-XenServer:Pool patch Invoke-XenServer:Pool.DisableExternalAuth Get-XenServer:Pool Invoke-XenServer:Pool.DisableHa Get-XenServer:Pool.Blobs Invoke-XenServer:Pool.DisableLocalStorageCaching Invoke-XenServer:Pool.DisableRedoLog Get-XenServer:Pool.DefaultSR Invoke-XenServer:Pool.Eject Get-XenServer:Pool.GuiConfig Invoke-XenServer:Pool.EmergencyResetMaster Get-XenServer:Pool.HaAllowOv Invoke-XenServer:Pool.EmergencyTransitionToMaste Get-XenServer:Pool.HaConfiguration Invoke-XenServer:Pool.EnableExternalAuth Get-XenServer:Pool.HaEnabled Invoke-XenServer:Pool.EnableLocalStorageCaching Get-XenServer:Pool.HaHostFailuresToTolerate Get-XenServer:Pool HaOvercommitted Invoke-XenServer:Pool.EnableRedoLog Invoke-XenServer:Pool.HaComputeHypotheticalMaxHostFailuresToTolerate Get-XenServer:Pool.HaPlanExistsFor Get-XenServer:Pool.HaStatefiles Invoke-XenServer: Pool. Ha Compute Max Host Failures To TolerateInvoke-XenServer:Pool.HaFailoverPlanExists Get-XenServer:Pool.NameDescription Invoke-XenServer:Pool.HaPreventRestartsFor Get-XenServer:Pool.NameLabel Invoke-XenServer:Pool.InitializeWlb Get-XenServer:Pool.OtherConfig Invoke-XenServer:Pool.Join Get-XenServer:Pool.RedoLogVdi Invoke-XenServer:Pool.RecoverSlaves Get-XenServer:Pool.Restrictions Invoke-XenServer:Pool.RetrieveWlbConfiguration Get-XenServer:Pool.SuspendImageSI Invoke-XenServer:Pool.RetrieveWlbReco Get-XenServer:Pool.Tags Invoke-XenServer:Pool.SendTestPost Get-XenServer:Pool.VswitchControlle Invoke-XenServer:Pool.SyncDatabase Get-XenServer:Pool.WlbEnabled Invoke-XenServer:Pool TestArchiveTarget Invoke-XenServer:Pool_patch.Apply Get-XenServer:Pool.WlbUrl Get-XenServer:Pool.WlbUsername Invoke-XenServer:Pool_patch.Clean Get-XenServer:Pool_patch.AfterApplyGuidance Invoke-XenServer:Pool_patch.Precheck Remove-XenServer:Pool GuiConfig Get-XenServer:Pool patch.HostPatches Get-XenServer:Pool patch.NameDescription Remove-XenServer:Pool.OtherConfig Get-XenServer:Pool_patch.NameLabel Remove-XenServer:Pool.Tags Get-XenServer:Pool_patch.PoolApp Set-XenServer:Pool.CrashDumpSR Get-XenServer:Pool patch.Size Set-XenServer:Pool.DefaultSR Get-XenServer:Pool patch.Uuid Set-XenServer:Pool.GuiConfig Get-XenServer:Pool_patch.Version Set-XenServer:Pool.HaAllowOverco

Invoke-XenServer:Pool.CertificateInstall

Invoke-XenServer:Pool.CertificateList

Invoke-XenServer:Pool.CertificateSync

Invoke-XenServer:Pool.CreateVLAN

Invoke-XenServer:Pool.CrlInstall

Invoke-XenServer:Pool.CrlList

Invoke-XenServer:Pool.CertificateUninsta

Invoke-XenServer:Pool CreateVI ANFromPII

irtual Configuration Network Config Disk Config VBD VDI Network SR PBD Host

Set-XenServer:Pool.HaHostFailuresToTolerate

Set-XenServer:Pool.NameDescription

Set-XenServer:Pool.SuspendImageSF

Set-XenServer:Pool.VswitchControlle

Set-XenServer:Pool patch.OtherConfig

Set-XenServer:Pool.WlbEnabled

Set-XenServer:Pool.WlbVerifvCert

Set-XenServer:Pool Namel ahel

Set-XenServer:Pool.Tags

Set-XenServer:Pool.OtherConfig

Scripts / Third Party Code

Create empty CD-ROM drive

-VM "\$VM_NAME

-mode RO

-Empty 1

-type cd `

-VM "\$VM NAME"

-VDI "xs-tools.iso"

Invoke-XenServer:VBD.Eject -VBD \$VBD_CD.uuid

-Userdevice "O" -type disk -mode RW

Create CD-ROM drive with ISO

Host Configuration

Add-XenServer:Tunnel.OtherConfig Add-XenServer:Tunnel.Status Create-XenServer:Tunnel Get-XenServer:Tunnel Get-XenServer:Tunnel.AccessPII Get-XenServer:Tunnel.OtherConfig Get-XenServer:Tunnel.Status Get-XenServer:Tunnel.Uuid Remove-XenServer:Tunnel.OtherConfig Remove-XenServer:Tunnel.Status Set-XenServer:Tunnel.OtherConfig et-XenServer:Tunnel.Status

Set of permissions for

Subjects (Role)

Desaster Recovery Task

Create-XenServer:DRTask Destroy-XenServer:DRTask Get-XenServer:DRTask Get-XenServer:DRTask.IntroducedSF

Virtual Network Interface (VIF)

Add-XenServer:VIF.OtherConfig Add-XenServer:VIF.QosAlgorithmParam ${\sf Add-XenServer:VIF_metrics.OtherConfig}$ Destroy-XenServer:VIF Get-XenServer:VIF Get-XenServer:VIF.AllowedOperations ${\sf Get-XenServer:VIF.CurrentlyAttached}$ et-XenServer:VIF.CurrentOperation Get-XenServer:VIF.Device Get-XenServer:VIF.MAC Get-XenServer:VIF.MACAutogenerated Get-XenServer:VIF.Metrics

Get-XenServer:Role Get-XenServer:Role.ByPermission Get-XenServer:Role.ByPermissionNameL Get-XenServer:Role.NameLabel Get-XenServer:Role.Permissions Get-XenServer:Role.PermissionsNameLabe Get-XenServer:Role.Subroles Get-XenServer:Role.Uuid

Get-XenServer:DRTask.Uuid

Add-XenServer:VDI.OtherConfi

Add-XenServer:VDI.SmConfig

Add-XenServer:VDI.XenstoreDa

Get-XenServer:VDI.AllowCaching

Get-XenServer:VDI.CrashDumps

Get-XenServer:VDI.IsASnapshot

Get-XenServer:VDI.Managed

Get-XenServer:VDI.Missing

Get-XenServer:VDI.NameLabel

Get-XenServer:VDI.OtherConfig

Get-XenServer:VDI.Parent

Get-XenServer:VDI.ReadOnly

Get-XenServer:VDI.Sharable

Get-XenServer:VDI.SmConfig

Get-XenServer:VDI.Snapsho

Get-XenServer:VDI.Snapshots

Get-XenServer:VDI.SnapshotTii

Get-XenServer:VDI.StorageLock

Get-XenServer:VDI.Tags

Get-XenServer:VDI.Type

Get-XenServer:VDI.Uuid

Get-XenServer:VDI.VBDs

Create-XenServer:VBD

Get-XenServer:VBD

Destroy-XenServer:VBD

Get-XenServer:VBD.Bootable

Get-XenServer:VBD.Device

Get-XenServer:VBD.Empty

Get-XenServer:VBD.Metrics

Get-XenServer:VBD.OtherConfig

Get-XenServer:VBD.StatusCode

Get-XenServer:VBD.StatusDetail

Get-XenServer:VBD.StorageLock

Get-XenServer:VBD.Unpluggable

Get-XenServer:VBD.Userdevice

Get-XenServer:VBD.Type

Get-XenServer:VBD.Uuid

Get-XenServer:VBD.Mode

Get-XenServer:VDI.VirtualSize

Add-XenServer:VBD.QosAlgorithmParam

Get-XenServer:VBD.AllowedOperation

Get-XenServer:VBD.CurrentlyAttached

Get-XenServer: VBD. Current Operations

Get-XenServer:VBD.QosAlgorithmParam

Get-XenServer:VBD.QosAlgorithmType

Get-XenServer:VBD.QosSupportedAlgorit

Get-XenServer:VBD.RuntimeProperties

Add-XenServer:VBD_metrics.OtherConfig

Get-XenServer:VDI.NameDescriptio

Get-XenServer:VDI.CurrentOperation

Create-XenServer:VDI

Get-XenServer:VDI

Create-XenServer:PBD Get-XenServer:PBD Get-XenServer:PBD.SR

User

Create-XenServer:User Destroy-XenServer:User Get-XenServer:User Get-XenServer:User.Fullname Get-XenServer:User.OtherConfig Get-XenServer:User.ShortName Get-XenServer:User.Uuid Remove-XenServer:User.OtherConfig Set-XenServer:User.Fullname Set-XenServer:User.OtherConfig

Task

Add-XenServer:Task.OtherConfig Create-XenServer:Task Get-XenServer:Task Get-XenServer:Task.AllowedOperation Get-XenServer:Task.Created Get-XenServer:Task.ErrorInfo Get-XenServer:Task.Finished Get-XenServer:Task.NameDescription Get-XenServer:Task.NameLabel Get-XenServer:Task.Progress Get-XenServer:Task.ResidentO Get-XenServer:Task.Result Get-XenServer:Task.Status Get-XenServer:Task.Subtasks Get-XenServer:Task.Type Get-XenServer:Task.Uuid Invoke-XenServer:Task.Cancel Remove-XenServer:Task.OtherConfig

Add-XenServer:GPUGroup.OtherConfig Get-XenServer:GPUGroup Get-XenServer:GPUGroup.GPUTypes Get-XenServer:GPUGroup.NameDescrip Get-XenServer:GPUGroup.OtherConfig Get-XenServer:GPUGroup.PGPUs Get-XenServer:GPUGroup.Uuid Get-XenServer:GPUGroup.VGPUs Set-XenServer:GPUGroup.NameDescrip Set-XenServer:GPUGroup.NameLabel

Create-XenServer:VGPU Destroy-XenServer:VGPU Get-XenServer:VGPU Get-XenServer:VGPU.CurrentlyAttached Get-XenServer:VGPU.Device Get-XenServer:VGPU.GPUGroup Get-XenServer:VGPU.OtherConfig Get-XenServer:VGPU.Uuid Get-XenServer:VGPU.VM Remove-XenServer:VGPU.OtherConfi Set-XenServer:VGPU.OtherConfig

Physical GPU (PGPU)

Add-XenServer:PGPU.OtherConfig Get-XenServer:PGPU Get-XenServer:PGPU.Host Get-XenServer:PGPU.OtherConfig Get-XenServer:PGPU.PCI Get-XenServer:PGPU.Uuid

Set-XenServer:PGPU.OtherConfig

Add-XenServer:PBD.OtherConfig Get-XenServer:PBD.CurrentlyAttached Get-XenServer:PBD.DeviceConfig Get-XenServer:PBD.Host Get-XenServer:PBD.Uuid Invoke-XenServer:PBD.Plug Invoke-XenServer:PBD.Unplug Set-XenServer:PBD.DeviceConfig Set-XenServer:PBD.OtherConfi

Set-XenServer:Task.OtherConfig Wait-XenServer:Task

Grafics Prozessing Unit (GPU

Set-XenServer: GPUGroup. Other Config

Peripheral Component Interconnect (PCI)

Add-XenServer:PCI.OtherConfi Get-XenServer:PCI.OtherConfig Get-XenServer:PCI.ClassName Get-XenServer:PCI.Pcild Get-XenServer:PCI.Uuio Get-XenServer:PCI.Dependence Get-XenServer:PCI.VendorName Get-XenServer:PCI.DeviceName Remove-XenServer:PCI.OtherConfig Get-XenServer:PCI.Host Set-XenServer:PCI.OtherConfig

Auth

Get-XenServer:Auth Get-XenServer:Auth.GroupMembership

Get-XenServer:Auth.SubjectIdentifier Get-XenServer:Auth.SubjectInformation

VM Protection Policy (VMPP)

Create-XenServer:VMPF Invoke-XenServer:VMPP.AddToAlarmConfig Destroy-XenServer:VMPP Invoke-XenServer:VMPP.AddToArchiveSchedu Invoke-XenServer:VMPP.AddToArchiveTargetConfig Get-XenServer:VMPP.AlarmConfig Get-XenServer:VMPP.Alerts Get-XenServer:VMPP.ArchiveFrequ Get-XenServer:VMPP.ArchiveLastRunTime Get-XenServer:VMPP.ArchiveTargetConfig Get-XenServer:VMPP.ArchiveTargetType Get-XenServer:VMPP.BackupFrequency Get-XenServer:VMPP.BackupLastRunTime Get-XenServer:VMPP.BackupSchedule Get-XenServer:VMPP.BackupType Get-XenServer:VMPP.IsAlarmEnabled Get-XenServer:VMPP.IsArchiveRunning Get-XenServer:VMPP.IsPolicyEnabled Get-XenServer:VMPP.NameDescription Get-XenServer:VMPP.NameLabel Get-XenServer:VMPP.RecentAlert

Get-XenServer:VMPP.VMs

Add-XenServer:SR.OtherConfig

Add-XenServer:SR.SmConfig

Add-XenServer:SR.Tags

Create-XenServer:SR

Get-XenServer:SR

Destroy-XenServer:SR

Get-XenServer:SR.Blobs

Get-XenServer:SR.ContentType

Get-XenServer:SR.NameLabel

Get-XenServer:SR.PhysicalSize

Get-XenServer:SR.PBDs

Get-XenServer:SR.Shared

Get-XenServer:SR.Tags

Get-XenServer:SR.Type

Get-XenServer:SR.Uuid

Get-XenServer:SR.VDIs

Get-XenServer:SR.SmConfig

Get-XenServer:SR.SupportedType:

Get-XenServer:SR.VirtualAllocation

Invoke-XenServer:SR.CreateNewBlob

Invoke-XenServer:SR.Forget Invoke-XenServer:SR.Introduce

Invoke-XenServer:SR.Probe

Invoke-XenServer:SR.Update

Remove-XenServer:SR.Tags

Set-XenServer:SR.NameLabel

Set-XenServer:SR.PhysicalSize

Set-XenServer:SR.Shared

Create-XenServer:Subject

Destroy-XenServer:Subject

Get-XenServer:Subject

Set-XenServer:SR.Tags

Set-XenServer:SR.SmConfig

Set-XenServer:SR.OtherConfig

Set-XenServer:SR.PhysicalUtilisation

Remove-XenServer:SR.OtherConfig

Remove-XenServer:SR.SmConfig

Set-XenServer:SR.NameDescription

voke-XenServer:SR.DisableDatabaseRep

Invoke-XenServer: SR. Assert Can Host Ha State file

voke-XenServer:SR.AssertSupportsDataba

Invoke-XenServer:VMPP.ArchiveNow Invoke-XenServer:VMPP.ProtectNow Invoke-XenServer:VMPP.RemoveFromAlarmConfig Invoke-XenServer:VMPP.RemoveFromArchiveSch Invoke-XenServer:VMPP.RemoveFromBackupSchedule Set-XenServer:VMPP.AlarmConfig Set-XenServer:VMPP.ArchiveFrequence Set-XenServer:VMPP.ArchiveLastRunTim Set-XenServer:VMPP.ArchiveTargetConfig Set-XenServer:VMPP.ArchiveTargetType Set-XenServer:VMPP.BackupFrequency Set-XenServer:VMPP.BackupLastRunTime

Set-XenServer:VMPP.BackupSchedule Set-XenServer:VMPP.BackupTvpe Set-XenServer:VMPP.IsAlarmEnable Set-XenServer:VMPP.IsPolicyEnabled Set-XenServer:VMPP.NameLabel

Storage Repository (SR)

NIC teaming (Bond) Add-XenServer:Bond.OtherConfig Create-XenServer:Bond Destroy-XenServer:Bond Get-XenServer:Bond.Maste Get-XenServer:SR.AllowedOperation Get-XenServer:Bond.OtherConfig Get-XenServer:Bond.Uuid Get-XenServer:SR.CurrentOperations Remove-XenServer:Bond.OtherConf Get-XenServer:SR.LocalCacheEnabled Set-XenServer:Bond.OtherCor Get-XenServer:SR.NameDescription Get-XenServer:SR.PhysicalUtilisation

Connect-XenServer Disconnect-XenServer Get-XenServer:Sessions

Secret

Create-XenServer:Secret Destroy-XenServer:Secret Get-XenServer:Secret.Uuid Get-XenServer:Secret.Value Set-XenServer:Secret.Value

Destroy-XenServer:VM_appliance

Set-XenServer:SR.VirtualAllocation Create-XenServer:VM appliance

Get-XenServer:VM appliance.AllowedOperations Get-XenServer:VM appliance.CurrentOperations **User or Group (Subject)** Get-XenServer:VM_appliance.NameDescription Get-XenServer:VM_appliance NameLabel Get-XenServer:VM appliance.Uuid Get-XenServer:VM_appliance.VMs Invoke-XenServer:VM_appliance.AssertCanBeRecovered Get-XenServer:Subject.OtherConfig Invoke-XenServer:VM appliance.CleanShutdown Get-XenServer:Subject.Permissic Invoke-XenServer:VM appliance.HardShutdown Get-XenServer:Subject.Roles Invoke-XenServer:VM_appliance.Recover Get-XenServer:Subject.SubjectIdentifier nvoke-XenServer:VM appliance.Shutdown Get-XenServer:Subject.Uuid Invoke-XenServer:VM_appliance.Start Invoke-XenServer:Subject AddToRoles Set-XenServer:VM appliance.NameDescription Invoke-XenServer:Subject.RemoveFromRoles Set-XenServer:VM_appliance.NameLabel

Virtual Maschine (VM)

Get-XenServer:VM.SnapshotInfo

Add-XenServer:VM.HVMBootParam Get-XenServer:VM.SnapshotMetadat Get-XenServer:VM.SnapshotOf Get-XenServer:VM.Snapshot Get-XenServer:VM.SnapshotTime Add-XenServer:VM.VCPUsParam Add-XenServer:VM.XenstoreDat Get-XenServer:VM.SuspendVDI Add-XenServer:VM_guest_metrics.OtherConfig Get-XenServer:VM.Tags Get-XenServer:VM.Transporta Get-XenServer:VM.UserVersion Get-XenServer:VM.Uuid Get-XenServer:VM.ActionsAfterCras Get-XenServer:VM.VBD Get-XenServer:VM.ActionsAfterReboot Get-XenServer:VM.VCPUsAtStartu Get-XenServer:VM.ActionsAfterShutdow Get-XenServer:VM.VCPUsMax Get-XenServer:VM.VCPUsParam Get-XenServer:VM.AllowedOperations Get-XenServer:VM.VIFs Get-XenServer:VM.AllowedVIFDevice Get-XenServer:VM.VTPMs Get-XenServer:VM.XenstoreData Get-XenServer:VM.BiosStrings Get-XenServer:VM_guest_metrics.Disks Get-XenServer:VM_guest_metrics.LastUp Get-XenServer:VM.BlockedOperation Get-XenServer:VM_guest_metrics.Live Get-XenServer:VM.BootRecord Get-XenServer:VM_guest_metrics.Memory Get-XenServer:VM guest metrics.Network Get-XenServer:VM_guest_metrics.OsVersio Get-XenServer:VM_guest_metrics.Othe Get-XenServer:VM_guest_metrics.OtherConfi Get-XenServer:VM.CurrentOperatio Get-XenServer:VM guest metrics.PVDriversUpTo Get-XenServer:VM.DataSources Get-XenServer:VM guest metrics.PVDriversVersion Get-XenServer:VM_guest_metrics.Uuid Get-XenServer:VM metrics.InstallTime Get-XenServer:VM_metrics.LastUpdated Get-XenServer:VM_metrics.MemoryActua Get-XenServer:VM.HaAlwaysRun Get-XenServer:VM.HaRestartPriority Get-XenServer:VM metrics.OtherConfig Get-XenServer:VM.HVMBootParam Get-XenServer:VM_metrics.StartTime Get-XenServer:VM_metrics.State Get-XenServer:VM.HVMShadowMultipli Get-XenServer:VM_metrics.Uuid Get-XenServer:VM.IsASnapshot Get-XenServer:VM metrics.VCPUsCPU Get-XenServer:VM.IsATemplate Get-XenServer:VM metrics.VCPUsFlags Get-XenServer:VM.IsControlDomai Get-XenServer:VM_metrics.VCPUsNumb Get-XenServer:VM metrics.VCPUsParam Get-XenServer:VM.IsSnapshotFromVmp Get-XenServer:VM.LastBootCPUFlags Get-XenServer:VM_metrics.VCPUsUtilis Get-XenServer:VM.LastBootedRecord Get-XenServer:VMGuestMetrics Get-XenServer:VM.MemoryDynamicMax Get-XenServer:VMMetrics Invoke-XenServer:VM.AddToVCPUsParamsLive Get-XenServer:VM.MemoryDynamicMin Invoke-XenServer:VM.AssertAgile Get-XenServer:VM.MemoryStaticMa Get-XenServer:VM.MemoryStaticMir Invoke-XenServer:VM.AssertCanBootHere Get-XenServer:VM.MemoryTarget Invoke-XenServer:VM.AssertOperationValid Invoke-XenServer:VM.Checkpoint Get-XenServer:VM.NameDescription Invoke-XenServer:VM.CleanReboo Invoke-XenServer:VM.CleanShutd Invoke-XenServer:VM.Clone Get-XenServer:VM.OtherConfig Invoke-XenServer:VM.ComputeMemoryOverhead Invoke-XenServer:VM.Copy Invoke-XenServer:VM.CopyBios Invoke-XenServer:VM.CreateNewBlo Get-XenServer:VM.PossibleHost Invoke-XenServer:VM.ForgetDataSourceAr Get-XenServer:VM.PowerState Invoke-XenServer:VM.HardReboot Get-XenServer:VM.ProtectionPolicy Invoke-XenServer:VM.HardShutdown Get-XenServer:VM.PVBootload Invoke-XenServer:VM.Pause Get-XenServer:VM.PVBootloaderA Invoke-XenServer:VM.PoolMigrate Invoke-XenServer:VM.PowerStateRese

Invoke-XenServer:VM.Provision

Invoke-XenServer:VM.Resume

Invoke-XenServer:VM.QueryDataSource

nvoke-XenServer:VM.RecordDataSou

Add-XenServer:VM.BlockedOperation

Add-XenServer:VM.Platform

Add-XenServer:VM.Tags

Create-XenServer:VM

Destroy-XenServer:VM

Get-XenServer:VM.Affinity

Get-XenServer:VM.Children

Get-XenServer:VM.Consoles

Get-XenServer:VM.CrashDum

Get-XenServer:VM.Domarch

Get-XenServer:VM.GuestMet

Get-XenServer:VM.Domid

Get-XenServer:VM.Metrics

Get-XenServer:VM.Parent

Get-XenServer:VM.PCIBus

Get-XenServer:VM.Platform

Get-XenServer:VM.PVArgs

Get-XenServer:VM.PVKernel

Get-XenServer:VM.PVLegacyArg

Get-XenServer:VM.Recomme

Get-XenServer:VM.ResidentOn

Get-XenServer:VM.NameLabe

Get-XenServer:VM

Invoke-XenServer:VM.WaitMemoryTargetLive Remove-XenServer:VM.BlockedOperations Remove-XenServer:VM HVMRootParams Remove-XenServer:VM.OtherConfig Remove-XenServer:VM.Platform Remove-XenServer:VM.Tags Remove-XenServer:VM.VCPUsParams Remove-XenServer:VM.XenstoreData Remove-XenServer:VM guest metrics.OtherConfig Remove-XenServer:VM_metrics.OtherConfig Set-XenServer:VM.ActionsAfterReboot Set-XenServer:VM.ActionsAfterShutdow Set-XenServer:VM.Affinity Set-XenServer:VM.BlockedOperation Set-XenServer:VM.HaAlwaysRun Set-XenServer:VM.HaRestartPriority Set-XenServer:VM HVMBootParams Set-XenServer:VM.HVMBootPolicy Set-XenServer:VM.HVMShadowMultiplie Set-XenServer:VM.IsATemplate Set-XenServer:VM.MemoryDynamicMax Set-XenServer:VM.MemoryDynamicMin Set-XenServer:VM.MemoryDynamicRange Set-XenServer:VM.MemoryLimits Set-XenServer:VM.MemorvStaticMa Set-XenServer:VM.MemoryStaticMin Set-XenServer:VM.MemoryStaticRange Set-XenServer:VM.MemoryTargetLive Set-XenServer:VM.NameDescription Set-XenServer:VM.NameLabel Set-XenServer:VM.OtherConfig Set-XenServer:VM.PCIBus Set-XenServer:VM.Platform Set-XenServer:VM.ProtectionPolicy Set-XenServer:VM.PVArgs Set-XenServer:VM.PVBootloade Set-XenServer:VM.PVBootloaderArgs Set-XenServer:VM.PVKernel Set-XenServer:VM.PVLegacyArgs Set-XenServer:VM.PVRamdisk Set-XenServer:VM.Recommendation Set-XenServer:VM.ShadowMultiplierLive Set-XenServer:VM.SuspendSR Set-XenServer:VM.Tags Set-XenServer:VM.UserVersion Set-XenServer:VM.VCPUsAtStartup Set-XenServer:VM.VCPUsMax Set-XenServer:VM.VCPUsNumberLive Set-XenServer:VM.VCPUsParams Set-XenServer:VM.XenstoreData Set-XenServer:VM_guest_metrics.OtherConfi

Invoke-XenServer:VM.ResumeOn

Invoke-XenServer:VM.RetrieveW

Invoke-XenServer:VM.SendSysrq

Invoke-XenServer:VM.SendTrigge

Invoke-XenServer:VM.Snapshot

Invoke-XenServer:VM.StartOn

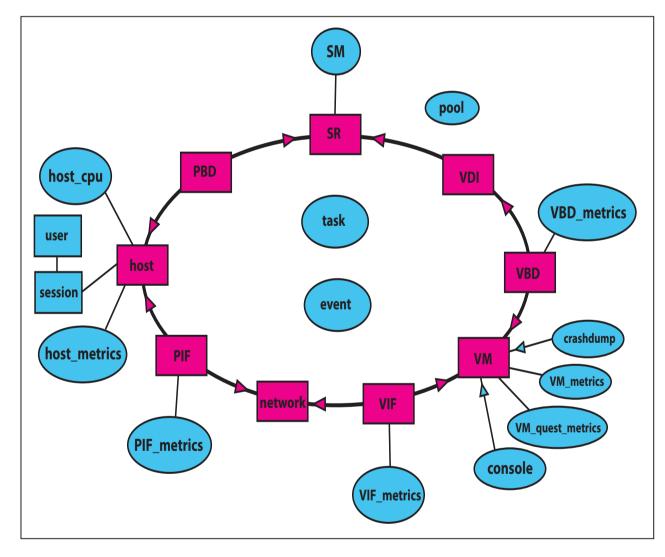
Invoke-XenServer:VM.Suspend Invoke-XenServer:VM.Unpause

Invoke-XenServer:VM.SnapshotWithQuiesce

Invoke-XenServer:VM.UpdateAllowedOperation

*New in Citrix®XenServer® 6.0

Set-XenServer:VM_metrics.OtherConfig



Citrix® XenServer® CmdLet Quick Reference

Virtual Machine Operations

Get-XenServer: VM | Where-Object \$.is a template -eq \$false -and \$.is control domain -eq \$false } | Format-Table name_label, name_description, power_state Create a new VM

To list all VMs on the connected Citrix XenServer (with pool) and their properties

-NameLabel "\$VM NAME" -NameDescription "\$VM_NAME_DESCRIPTION" -VCPUsMax 2 ` -VCPUsAtStartup 2 -MemoryStaticMin 134217728

-MemoryDynamicMin \$VM MEMORY -MemoryDynamicMax \$VM_MEMORY -HVMShadowMultiplier 4 ` -HVMBootPolicy "BIOS order" -HVMBootParams @{order=\$VM BOOT ORDER;}

-MemoryStaticMax \$VM MEMORY

estrov-XenServer:VM -VM "Test2" (Get-XenServer:VM -TagFilter "example").uuid | Destroy-XenServer:VM

Set CPU Flags \$PLATFORM.set_item("nx", "true") \$PLATFORM.set_item("viridian", "true")

\$PLATFORM.set item("apic", "true")

\$PLATFORM=Get-XenServer:VM.Platform -VM \$VM.UUID

\$PLATFORM.set item("acpi", "true") \$PLATFORM.set item("pae", "true")

Set-XenServer: VM.Platform -VM \$VM.UUID -Platform \$PLATFORM

Invoke-XenServer: VM. Snapshot -VM "Test2" -NewName "Test3" -Verbose Get-XenServer:VM.SnapshotInfo -VM "Test3" To remove a snapshot

Destroy-XenServer: VM -VM "Test3"

Filter "Test1").name_description \$VM.name description Set-XenServer: VM. NameDescription -VM "Test1" -Description "new desc" VM Affinity(HomeServer) ((Get-XenServer:VM -NameFilter "Test1").affinity) Where-Object {\$.name label -ilike \$vmname} | Set-XenServer: VM. Affinity - Affinity \$xshost

Snapshot Operations

PBD=Get-XenServer:Host.PBDs -Host \$HOMESERVER | Where-Object { ((Get-XenServer:SR.NameLabel -SR \$.SR) -eq ,\$SRDISK_NAME") -and ((Get-XenServer:SR.Type -SR \$_.SR) -eq "lvm")} Create a virtual disk \$VDI=Create-XenServer:VDI -NameLabel "\$VM NAME" -NameDescription "System disk for \$VM_NAME" -SR \$PBD.SR -virtualsize \$VM_DISKSIZE Connect virtual disk to VM \$VBD DISK=Create-XenServer: VBD -VM ",\$VM NAME" -VDI ",\$VM NAME"

Storage Operations

CD-ROM Operations

Network Operations

Get-XenServer:Network -NameFilter "Local Network" Connect a VM to a network -VM "myVM01" -Network "eth0" -device "0" -MAC "00:00:12:34:56:78:90:12" Create NIC inside VM with predefined MA -VM "\$VM NAME" -Network "\$VM ETH" -device "0` -MAC "\$VM MAC"

Destrov interface 0 # Get selected network # Create VIF and attach to network Create-XenServer: VIF -VM \$VM.uuid -Network \$NETWORK.uuid -Device 0 -MAC ,,00:00:03:04:05:07"

Pool Operations

To query/change things in a Citrix XenServer pool you always have to connect to the pool master! All queries will be pool-wide (e.g. Get-XenServer: VM To find the XenServer which is the pool master, you have to use e.g. xe.exe (comes with XenCenter) which returns the IP address of the master within the error message.

Power Operations

Power On a VM Invoke-XenServer:VM.Start -VM "\$VM NAME" Hard Shutdown a VM Invoke-XenServer:VM.HardShutdown -VM \$VM.uuid -RunAsync -WhatIf Disable and shutdown a host

woke-XenServer:Host.Shutdown -Host "xshost3"

Get Host Licence Information

nvoke-XenServer:Host.Disable -Host "xshost3"

Host Operations Enable/disable Maintenance Mode erver: Host.Disable (Get-XenServer: Host -NameFilter "Host01").

erver: Host.Enable (Get-XenServer: Host -NameFilter "Host01") .uuid

\$HOST.license params.expiry "Licence expires: {0}" -f (Get-XenServer: Host -NameFilter "Host01").license params.expiry

Get-XenServer:Host -NameFilter "Host1") .license_params.sku_type (Get-XenServer:Host).name_label | Remove-XenServer:Host.LicenseServer (Get-XenServer:Host).name label | Set-XenServer:Host.LicenseServer -License Server 0 address"="192 168 0 1":"port"="27000"}

How to connect to XenServer

Connect-XenServer -Server 192.168.0.1 SerName root -Password changeme To disconnect from Citrix XenServer:

To connect to a Citrix XenServer start a new session:

Getting Started

To download the XenServer SDKs go to XenServer SDK forum: Citrix Developer Network Code Share Introduction to XenServer XAPI

Look if XenServerPSSnapIn is loaded Get-PSSnapin -List all available XenServer Cmdlets Get-Command *xenserver

Namespaces and Initialize-XenServer:Aliases

XenServer cmdlets can be transformed via 3 sets of aliases with the following command = Get-Xen:VM / Invoke-Xen:VM.Start Invoke-Xen = Get-VM / Invoke-VM.Start Invoke = Get-VM / Start-VM

Set-VM.NameLabe

Set-VM.NameLabe

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www.x-tech.at - info@x-tech.at

Graphics: Josef Temper

Due the lack of documentation

examples of the PowerShell

corrections and improvements

CmdLets, working scripts

Windows Powershell® is a

Corporation

are highly welcome.

xs-poster@x-tech.at

Quick Reference: Thomas Subotitsch

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