Server Management Process Overview

ECI.EMI.VM.Mgmt.$Env.ps1

ECI.EMI.VM.Mgmt.$Env.psm1

Parameters from Portal:

```
$ServerMgmt = @{
    ServerMgmtOperation = $ServerMgmtOperation
    ServerMgmtValue     = $ServerMgmtValue
    VMName              = $VMName
    vCenterName         = $vCenterName
    VMUUID              = $VMUUID
    VMMoRef             = $VMMoRef
}
. '...\Invoke-ServerMgmt.ps1' @ServerMgmt
```

Identify VM:

```
$VMIdentity = @{
    VMName       = $VMName
    vCenterName  = $vCenterName
    VMUUID       = $VMUUID
    VMMoRef      = $VMMoRef
}
```

Does VM Exist?

```
### --------------------------------
### Does VM Exist?
### --------------------------------
$VM = Get-VM -Name $VMName -ErrorAction SilentlyContinue
if($VM)
{
    $VMExists = $True
}
```

Is VM Unique?

```
### --------------------------------
### Identify Unique VM
### --------------------------------
$verifyVMName      = $VM.Name
$verifyVMUUID      = $VM | %{(Get-View $_.Id).config.uuid}
$verifyVMMoRef     = $VM.ID
$verifyvCenterName = (($VM.UID).split("@")[1]).split(":")[0]

if( ($VMName -eq $verifyVMName) -AND ($vCenterName -eq $verifyvCenterName) -AND ($VMUUID
-eq $verifyVMUUID) -AND ($VMMoRef -eq $verifyVMMoRef) )
{
    $VMisUnique = $True
}
```

Is Guest State Ready?

```
###---------------------------
### Guest State Ready
###---------------------------
"PowerState"                = $VM.PowerState
"GuestState"                = $VM.ExtensionData.guest.guestState
"GuestOperationsReady"      = $VM.ExtensionData.guest.guestOperationsReady
"GuestStateChangeSupported" = $VM.ExtensionData.guest.guestStateChangeSupported

if(($GuestState.PowerState -eq "PoweredOn") -AND ($GuestState.GuestState -eq
"running") -AND ($GuestState.GuestOperationsReady -eq $True) -AND
($GuestState.GuestStateChangeSupported -eq $True))
{
    $GuestReady = $True
}
```

Change VM Guest State:

```
$ECIServerMgmt = @{
    ServerMgmtOperation = $ServerMgmtOperation
    ServerMgmtValue     = $ServerMgmtValue
    VMName              = $VMName
    vCenterName         = $vCenterName
    VMUUID              = $VMUUID
    VMMoRef             = $VMMoRef
}
```

Change Power State

```
if($ServerMgmtOperation -eq "PowerState")
```

Power On

```
if($ServerMgmtValue -eq "PowerOn")
```

Power Off

```
if($ServerMgmtValue -eq "PowerOff")
```

Change vCPU

```
if($ServerMgmtOperation -eq "vCPU")
```

Change vMemory

```
if($ServerMgmtOperation -eq "vMemory")
```

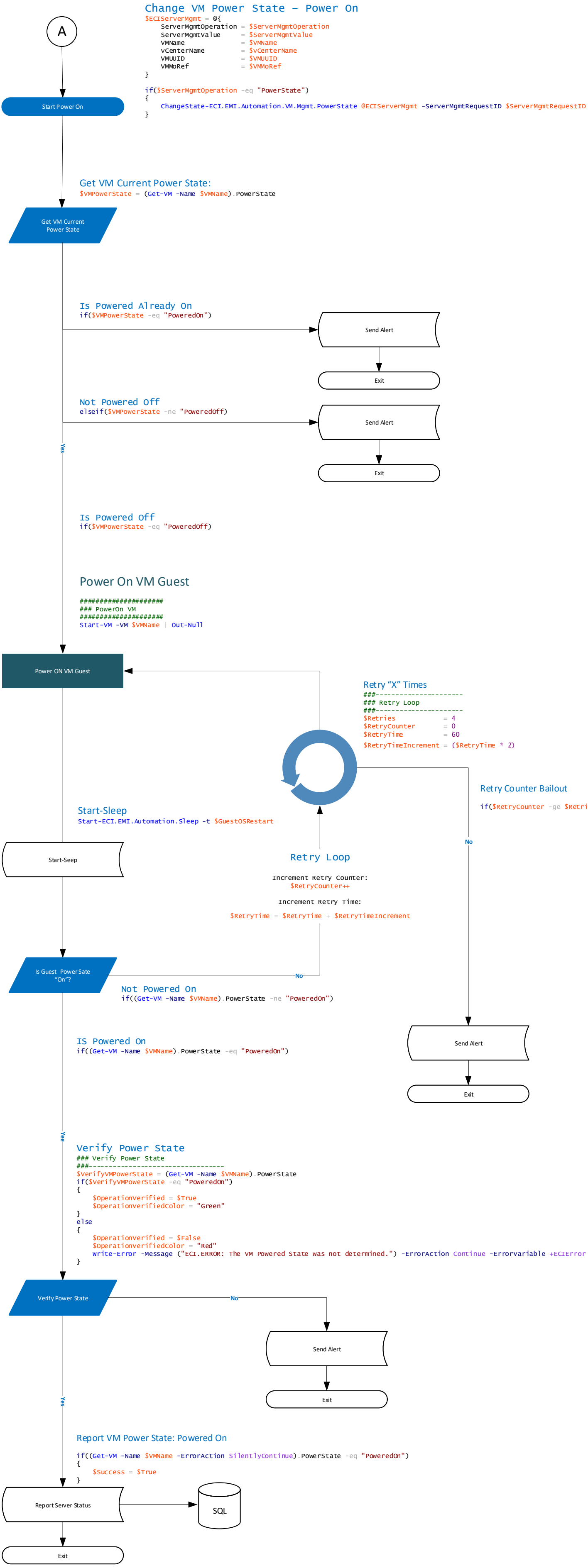
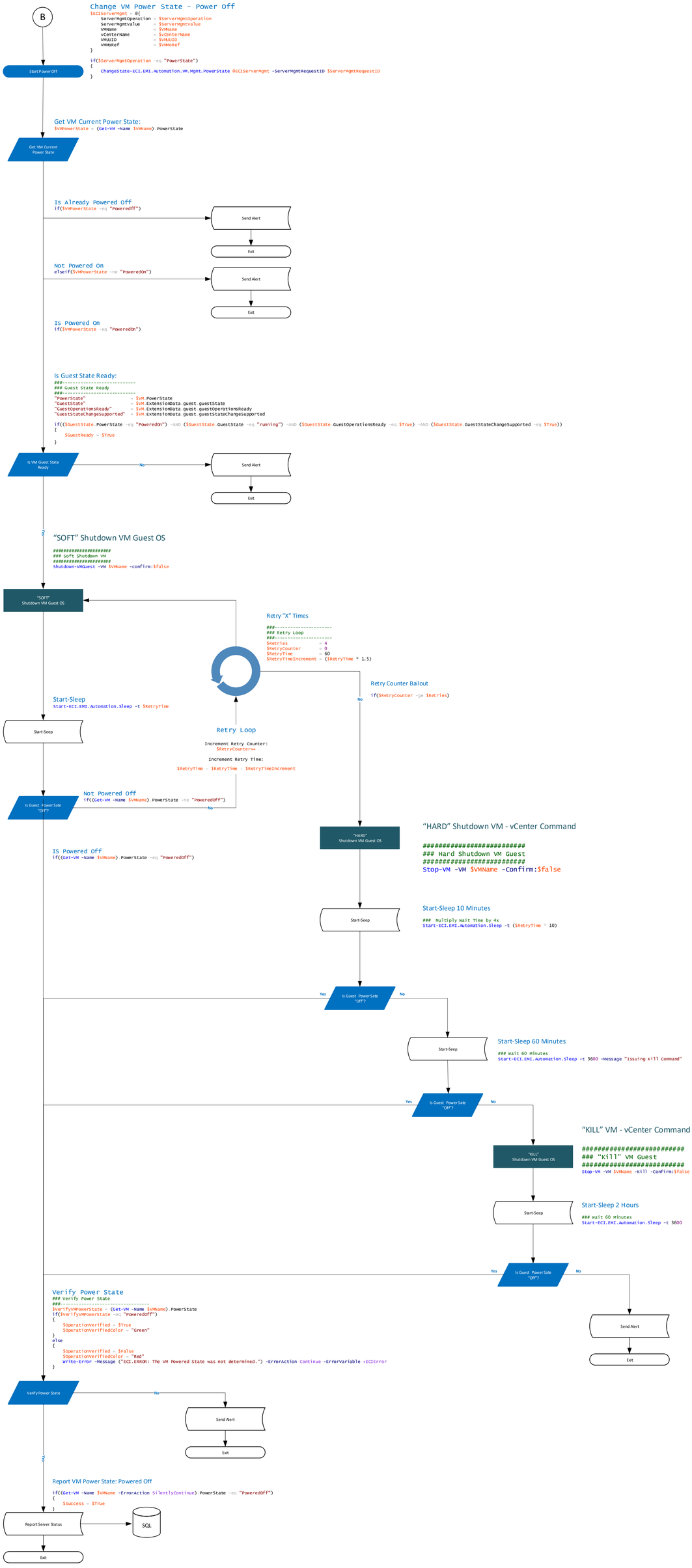
Change vVDisk

```
if($ServerMgmtOperation -eq "vMemory")
```

ECI EMI Server Management Workflow

Server Management Process:

A. Power On



Server Management Process:
B. Power Off