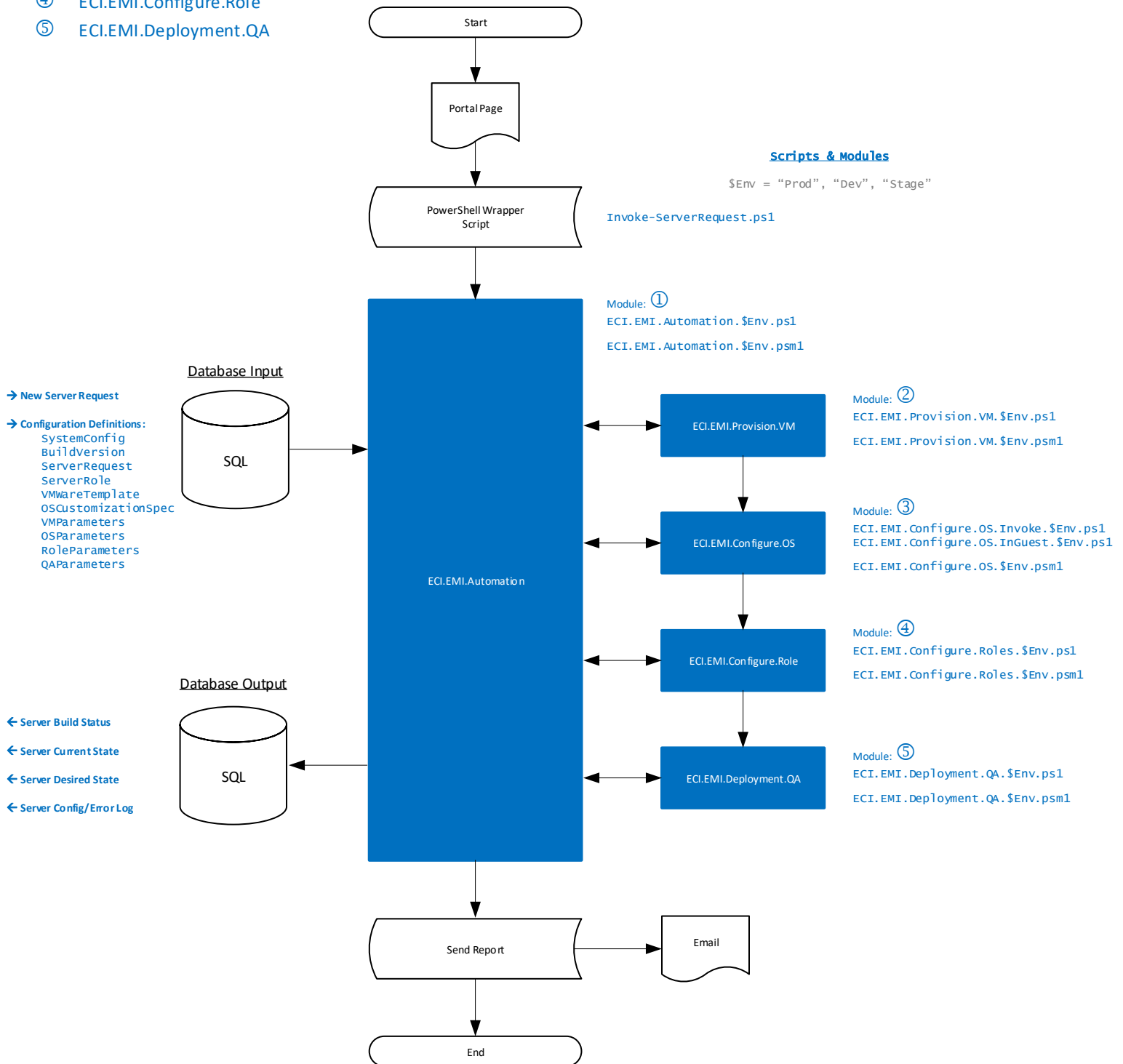


# Process Overview

Modules:

- ① ECI.EMI.Automation
- ② ECI.EMI.Provision.VM
- ③ ECI.EMI.Configure.OS
- ④ ECI.EMI.Configure.Role
- ⑤ ECI.EMI.Deployment.QA



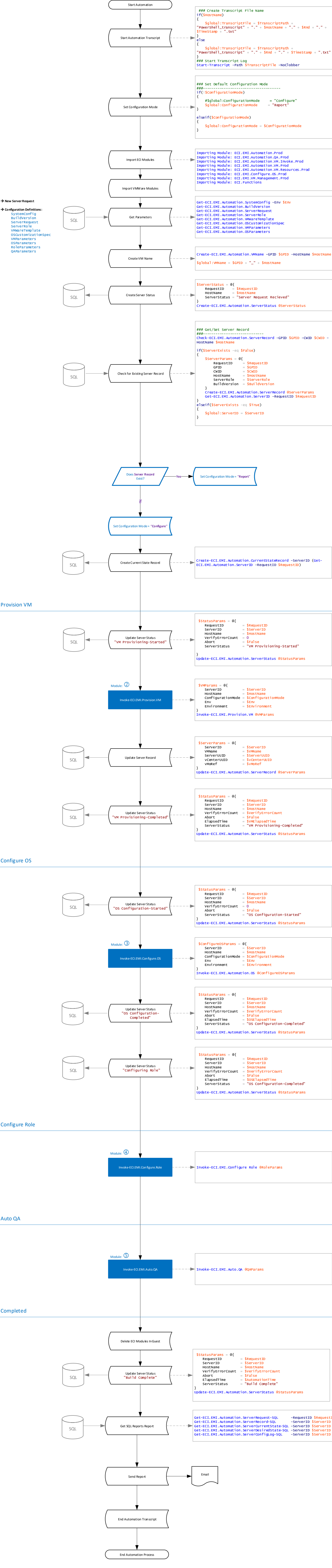
ECI EMI Server Provisioning Workflow

# Automation Process

Module: ①

ECI.EMI.Automation.\$Env.ps1

ECI.EMI.Automation.\$Env.psm1

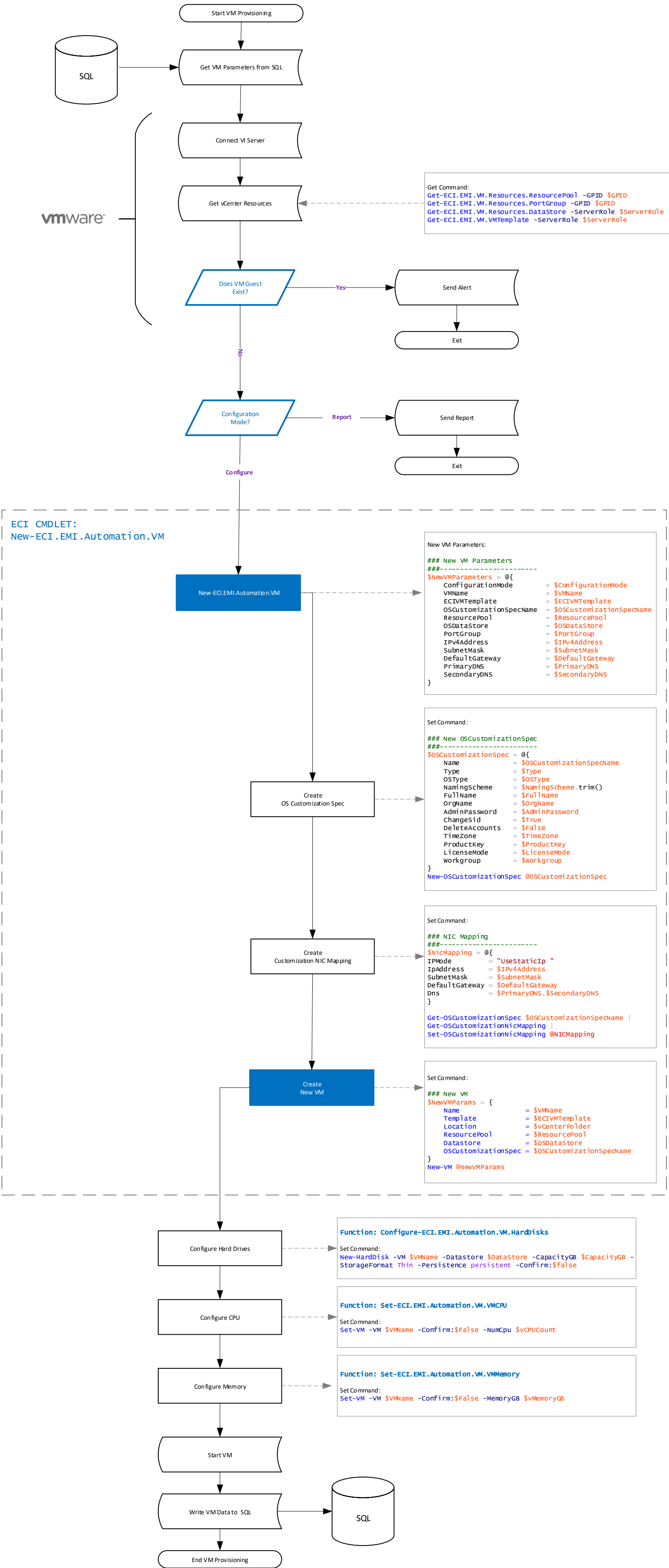


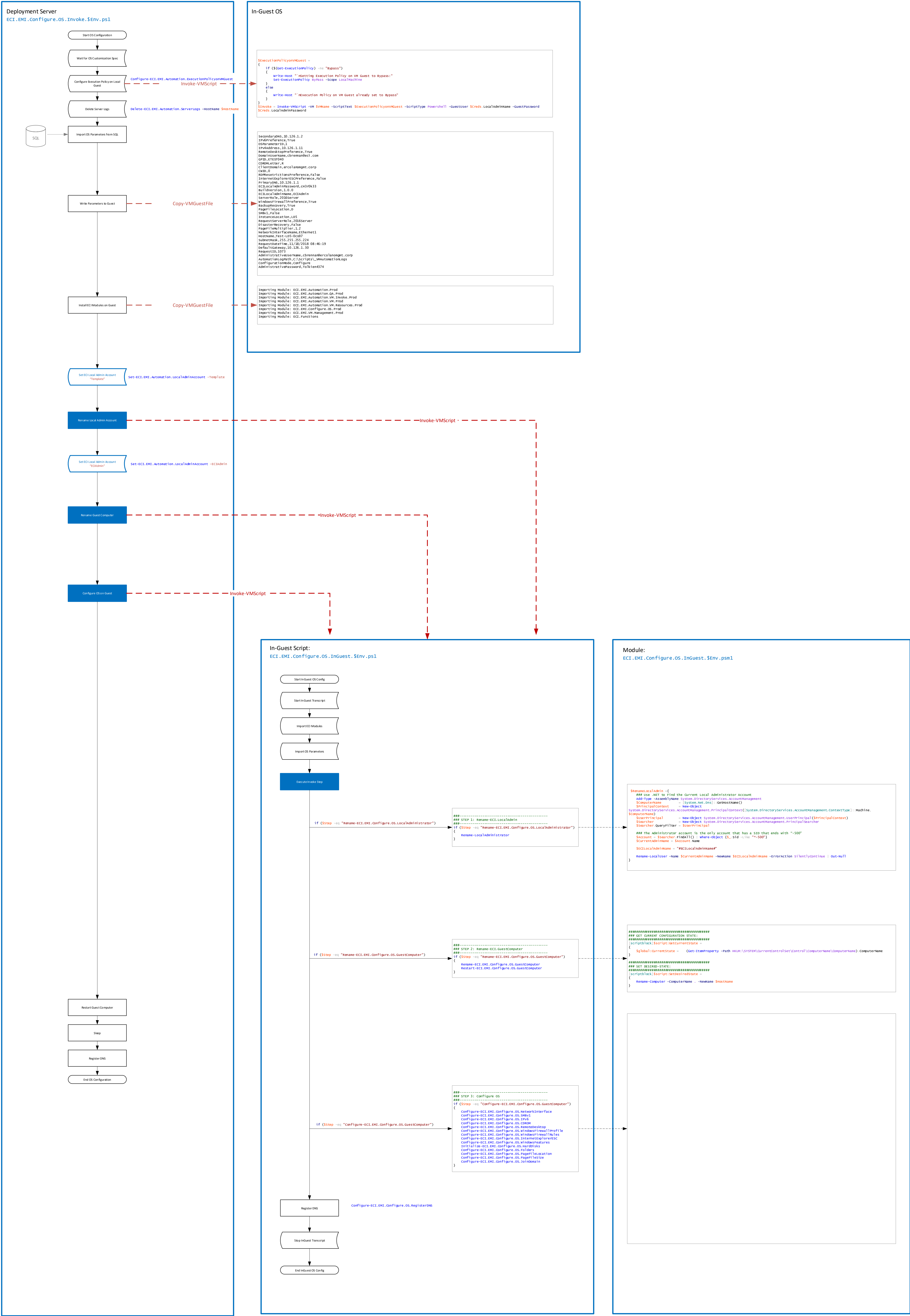
ECI EMI Server Provisioning Workflow

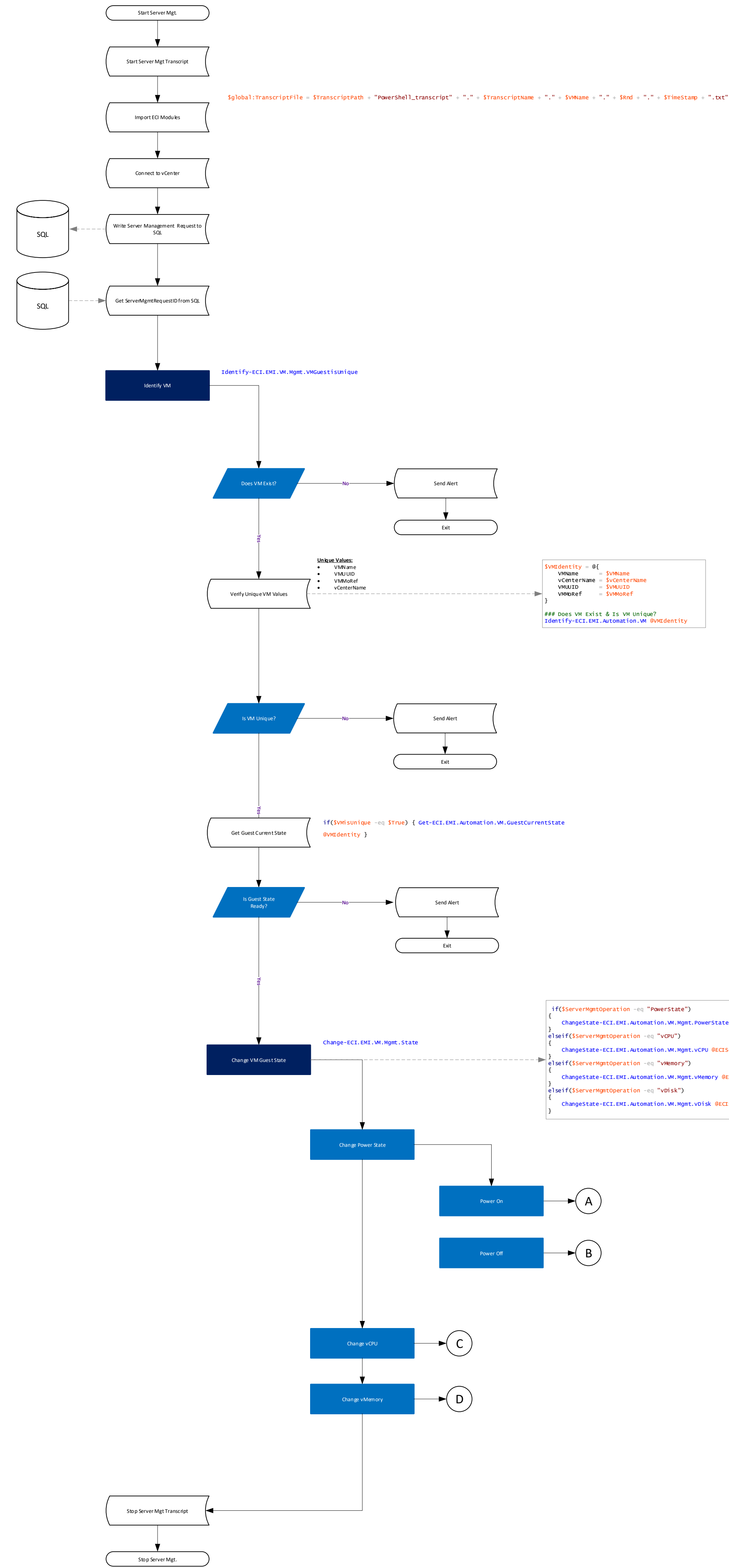
# VM Provisioning

Module: ②

ECI.EMI.Provision.VM.\$Env.ps1  
ECI.EMI.Provision.VM.\$Env.psm1







- Server Management Process:**
- Does the VM Exist?
  - Verify the VM is Unique? (VMName, vCenterName, VMUUID, VMRef)
  - Is Guest State Ready?
  - Execute VM State Change Function
    - o PowerOn
    - o PowerOff
    - o Change vCPU
    - o Change vMemory
  - Verify VM State Change
  - Report VM State Change to SQL

```
Function Identify-ECI-EMI-Automation-VM  
{  
Param(  
[Parameter(Mandatory = $true)] [string] $VMName,  
[Parameter(Mandatory = $true)] [string] $vCenterName,  
[Parameter(Mandatory = $true)] [string] $VMUUID,  
[Parameter(Mandatory = $true)] [string] $VMRefID  
)  
$VM = Get-VM -Name $VMName -ErrorAction SilentlyContinue  
if($VM)  
{  
$VMExists = $true  
## Get Unique VM Values  
##  
$VerifyVMName = $VM.Name  
$VerifyVMUUID = $VM.ID  
$VerifyVMRefID = $VM.ID  
$VerifyVMCenterName = ($VM.UUID).split("-")[1].split("-")[0]  
## Identify unique VM  
##  
if(($VMName -eq $VerifyVMName) -AND ($vCenterName -eq $VerifyVMCenterName) -AND ($VMUUID -eq $VerifyVMUUID) -AND ($VMRefID -eq $VerifyVMRefID))  
{  
$VMUnique = $true  
}  
else  
{  
$VMUnique = $false  
}  
} else {  
$VMExists = $false  
}  
return $VMUnique  
}
```

ECI EMI Server Provisioning Workflow  
Change Power State – Power Off

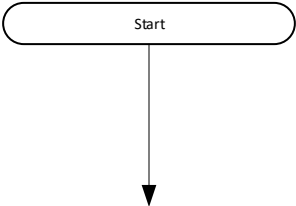


# Role Configuration

Module: ④

ECI.EMI.Configure.Role.\$Env.ps1

ECI.EMI.Configure.Role.\$Env.psm1

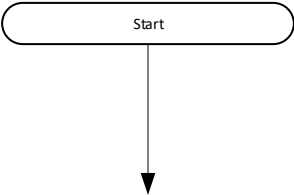


Auto QA

Module: ⑤

ECI.EMI.Auto.QA.\$Env.ps1

ECI.EMI.Auto.QA.\$Env.psm1



Portal Wrapper

Module: A.

Invoke-ServerRequest.ps1

