newTag.ps1

```powershell
#Important!!!
#You must run this script once or you'll gonna open 2 connection to VIServer.
#You can select and run only part of this script as weel, skipping connection
parameters, once it's already connected to VIServer.

#region Global Variables

$rootFolder = "<pathToCSVFile\>"
$vcenterAddr = "<VcenterAddress>"
$userName = "administrator@vsphere.local"
$password = 'SB01#srv@1'
$csvInfo = $rootFolder + "<file.csv>"

#endregion

#region connection parameters
Connect-VIServer -Server $vcenterAddr -Protocol https -User $userName -Password
$password

$CMDBInfo = Import-CSV $csvInfo

#endregion

#region search vm and creates a category if doesn't exist

ForEach ($item in $CMDBInfo)
      {
      $Name = $item.Name
    $Category = $item.Category
      $Tag = $item.Tag
      Try
      {
            $GetVMTagCat = Get-TagCategory -Name $Category -ErrorAction Stop
            Write-Host "TagCategory $GetVMTagCat found"
      }
      Catch
      {
            Write-Host "TagCategory you entered not found, adding $Category as a
Category"
            New-TagCategory -Name $Category
            Write-Host "Now, let's add a new Tag under TagCategory:" $Category
            New-Tag -Name $Tag -Category $Category
      }
}
#endregion

#region creating a tag if not or replacing tag for a new one

ForEach ($item in $CMDBInfo)
      {
            $Name = $item.Name
            $Category = $item.Category
            $Tag = $item.Tag
      Try
      {
            $GetVMTag = Get-Tag -Name $Tag -ErrorAction Stop
```

```
        Write-Host "Tag $GetVMTag found"
    }
    Catch
    {
        Write-Host "Tag not found, adding as a NewTag"
        #New-TagCategory -Name $Category
        Write-Host "Now, let's add a new Tag under TagCategory:" $Category
        New-Tag -Name $Tag -Category $Category
    }
        Write-Host ".... Assigning $Tag in Category $Category to $Name "
        $vm = Get-VM -Name $Name
        Get-TagAssignment -Entity $vm | where{$_.Tag.Category.Name -eq
"$Category"} | Remove-TagAssignment -Confirm:$false
        New-TagAssignment -Entity $vm -Tag $Tag
    }

#endregion
```