**PowerShell – Get-ADComputer to detect OU of Computers**

**Usage of this PowerShell script**

Usage of this PowerShell Get-ADComputer cmdlet will check the Organizational Unit of multiple computers, it easily shown the OU of a computer or multiple computers in a CSV file using this command line property “Get-ADComputer”.

## **Get-ADComputer cmdlet**

The Get-ADComputer cmdlet gets a computer or performs a search to retrieve multiple computers.

**Syntax :**

$adObject = Get-ADComputer -Identity {$computer name}

**Get-ADComputer to detect OU of multiple computers**

Let’s consider an example, we have a text file that contains a list of computers. We have a requirement to detect the OU of multiple machines and get the output as CSV file. At this situation we can use the below PowerShell script to detect OU of list of computers in the text file.

**Script**

# Define the path to the file containing machine names

$desktops = Get-Content ".\list.txt"

# Iterate through each machine name

Foreach($desktop in $desktops) {

# Attempt to query Active Directory for the Organizational Unit(OU)of the machine

try {

$adObject = Get-ADComputer -Identity $desktop

$ou = ($adObject.DistinguishedName -split ',', 2) [1]

"Machine: $desktop | OU: $ou" | Out-File Append -FilePath ".\output.csv"

} catch {

"Failed to find OU for machine: $desktop" | Out-File -Append -FilePath ".\output.csv"

}

}

**Output:**

Machine Name – \\xxx\xxx\xxx\Detected OU\

**Conclusion**

In the above article, we have seen example of using PowerShell Get-ADComputer to detect OU of multiple machines and display the output in a .CSV file. This will help the Manpower to be less utilized and work efficiently with less time.