**How To Gather VMWare Stats Using Powercli**

Prerequisites:

* [Install powercli](https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.esxi.install.doc/GUID-F02D0C2D-B226-4908-9E5C-2E783D41FE2D.html) on your local host/desktop
* [Change Statistics](https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcenterhost.doc/GUID-5D85751A-2CE8-4FD5-83C8-90A17060631E.html) level to 3 for enabling stats collection at VCenter level.

**Script Variables:**

* Before running powercli scripts, please make sure Vcenter Details,number of days(historical only) & output file location are edited accordingly,

#Variables - This should be changed to match your configuration

$vcenter = "sv4-cdp-vcenter70-01.eng.cohesity.com"

$date = (Get-Date).AddDays(-1)

$TempCSVlocation = "C:\CDPPerformance.csv"

$ExcelFileLocation = "C:\CDPPerformance\_$(Get-Date -Format 'yyyy\_MM\_dd').xlsx"

Note: Please make sure the location for CSV and ExcelFile are writable.

**Executing PowerCLI Script**

Launch powershell script by right click and run or [Schedule](https://blog.netwrix.com/2018/07/03/how-to-automate-powershell-scripts-with-task-scheduler/)

**PowerCli Scripts:**

| **Script** | **Description** |
| --- | --- |
| [CDP\_Historic\_PerfStats\_Excel.ps1](https://drive.google.com/file/d/16XbISRqYIrwTihCgM9AX3PKnR3gG526G/view?usp=sharing) | Script logs into VCenter, collects CDP IOPS, average throughput, peak throughput & writes the same in CSV format to the local disk. |
| [CDP\_Historic\_Perf\_Stats\_Txt.ps1](https://drive.google.com/file/d/10pHndnUX6SR4aCuFt0g5a6OSK_WmdNt4/view?usp=sharing) | Script logs into VCenter, collects CDP IOPS, average throughput, peak throughput & writes the same in txt format to the local disk. |