

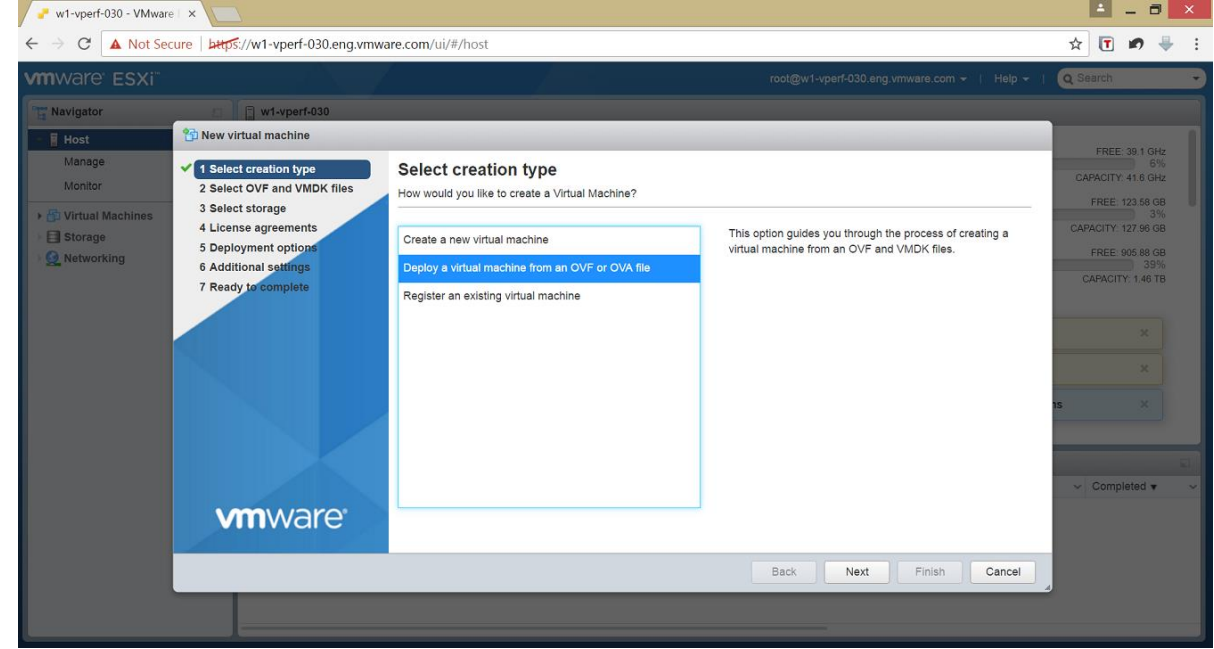
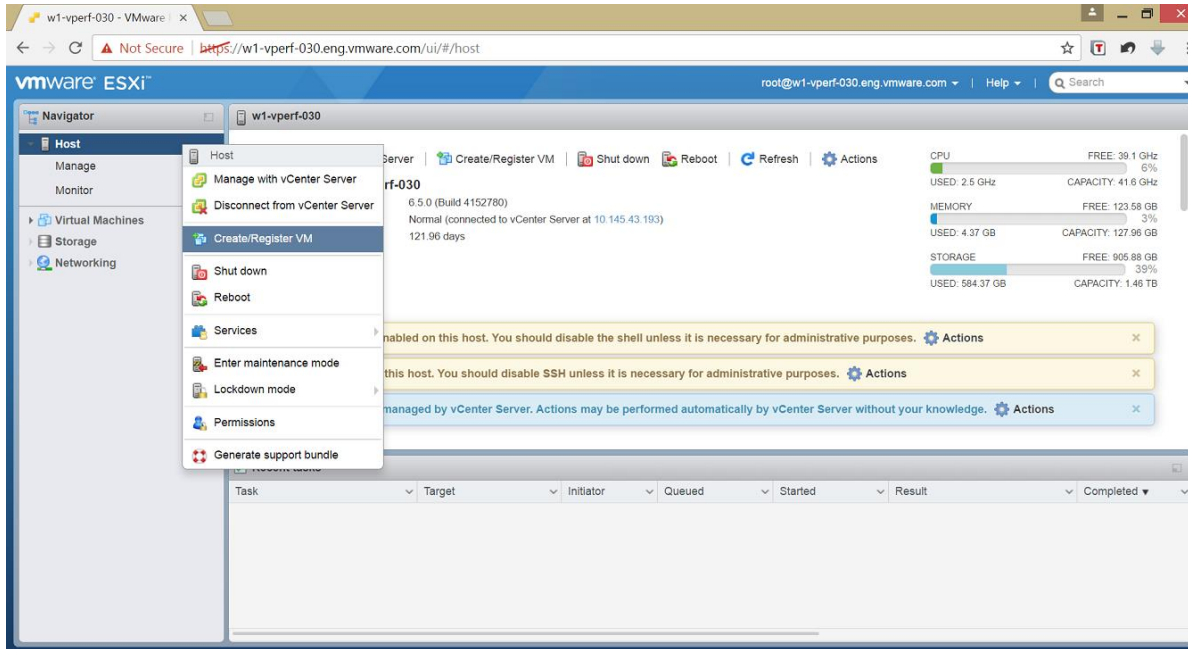
# VMware IOInsight

v1.0 User Guide

vmware®

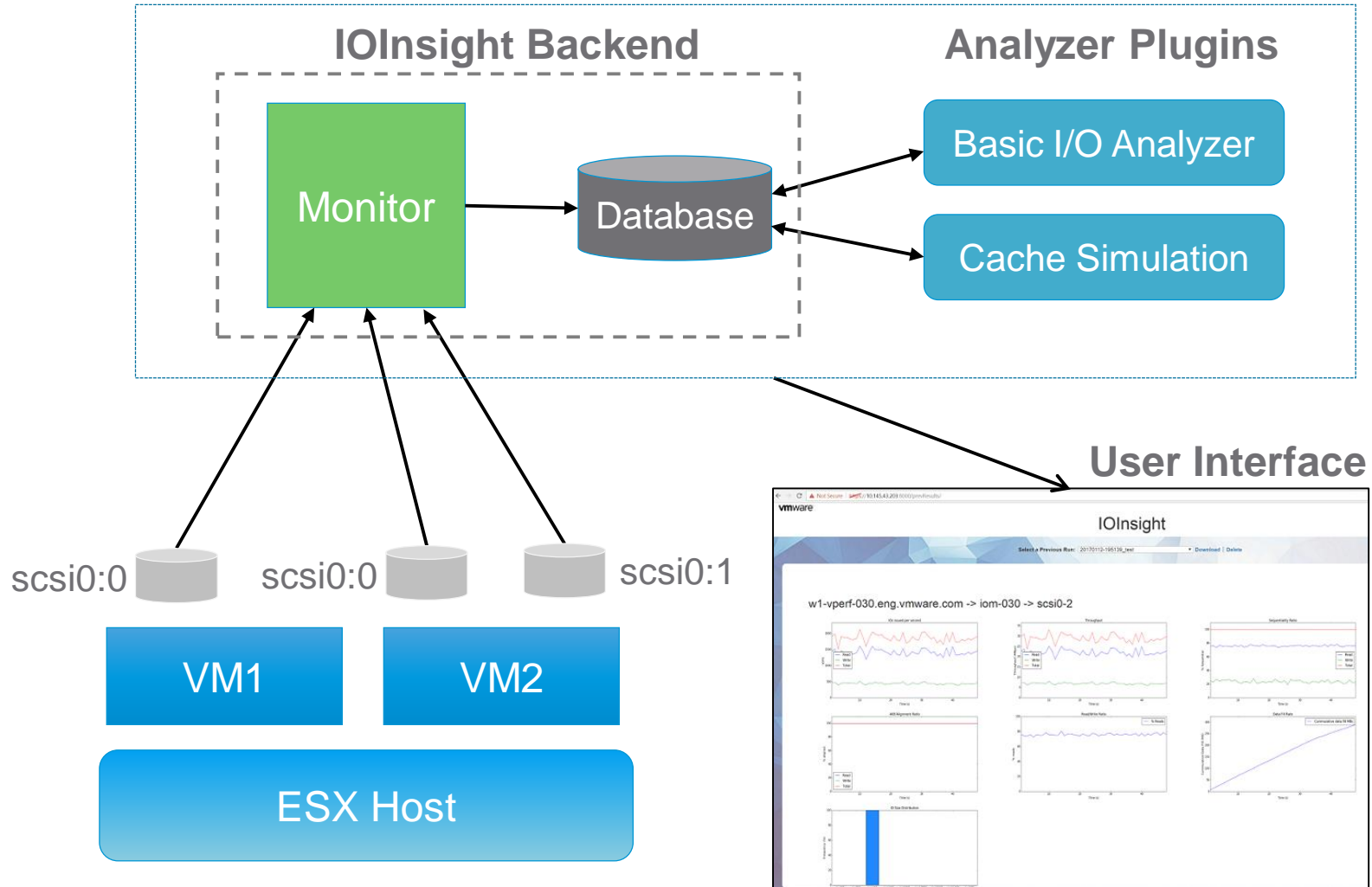
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# Deploying IOInsight Virtual Appliance

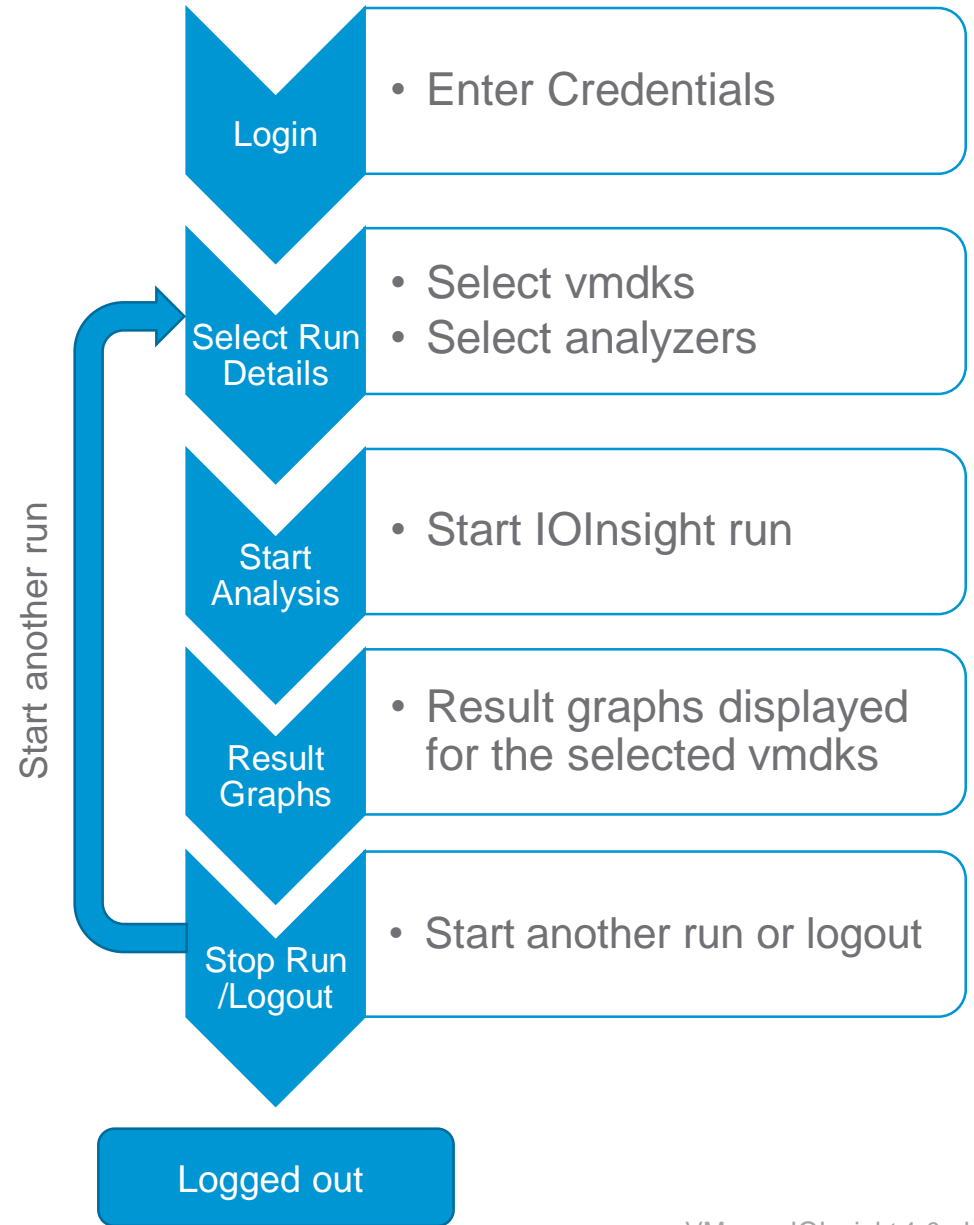


1. In vSphere web client, right click on the host and select “Create/Register VM”
2. Select option “Deploy a virtual machine from an OVF or OVA file”
3. Follow steps in the Wizard to select the downloaded ova and complete the deployment
4. Power on the VM and access IOInsight via URL: <https://<IP-address-of-vm>>

# IOInsight – Architecture



# UI Workflow



# Login

Supported Browsers: **Chrome, Safari**

The browser URL is of the form:-  
**https://<vm\_ip>**

**BROWSE RESULTS | HELP**

- **BROWSE RESULTS** leads to a page to browse results of previous runs
- **HELP** link provides user guides

**Login**

VC Hostname/IP

Username administrator@vsphere.local

Password

**Login**

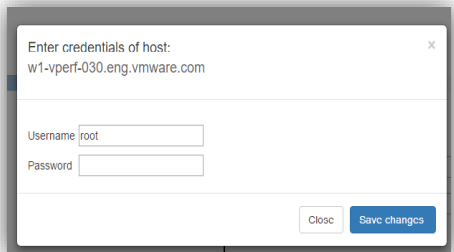
Enter login credential of the vCenter Server such as

- **VC Hostname/IP**
- **Username**
- **Password**

Once all login credentials are entered, click on the **LOGIN** button

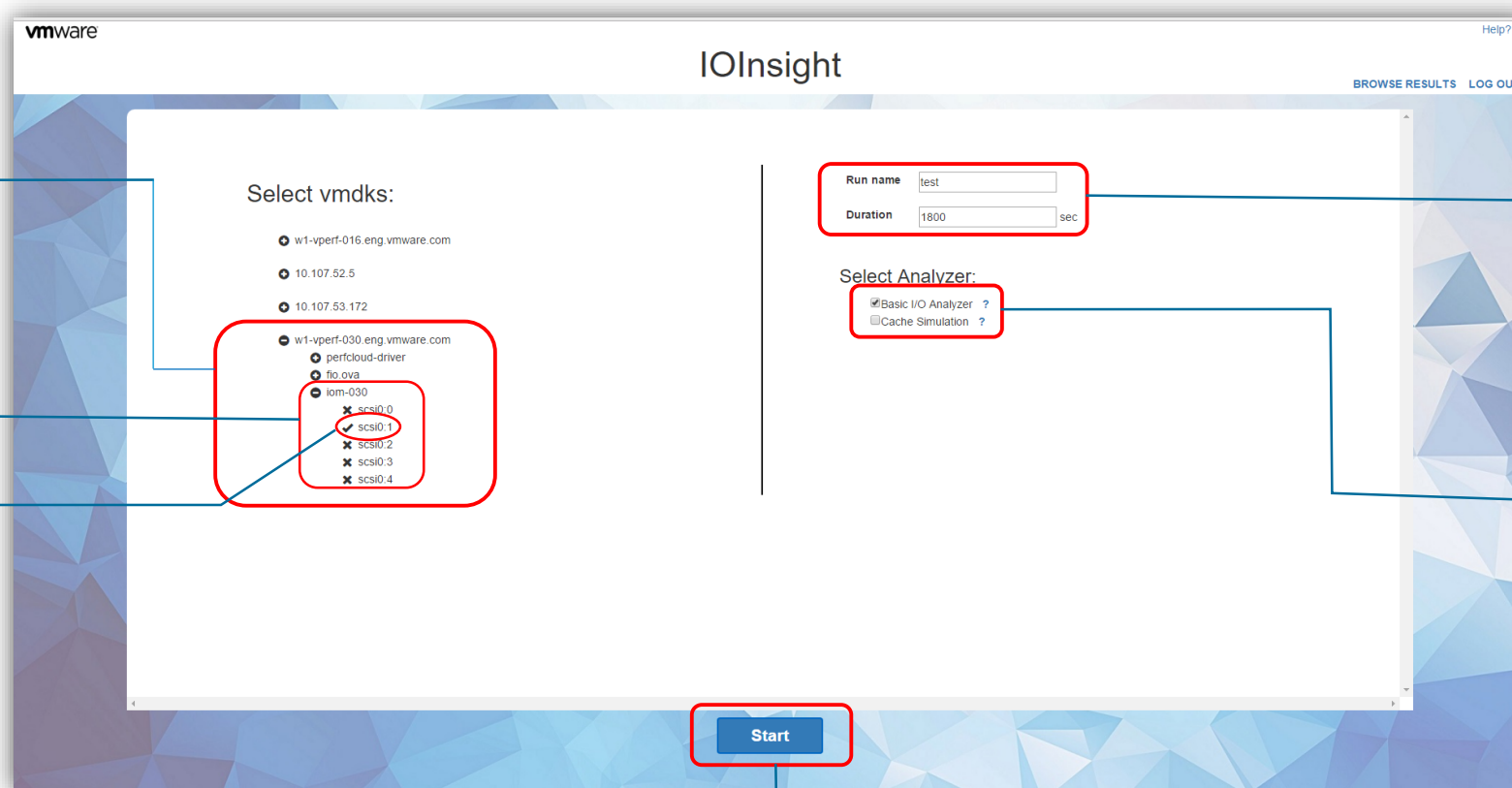
# Selecting Run Details

Select **Host**. Enter host credentials(one time task).



Select **VM**

Select **VMDK**



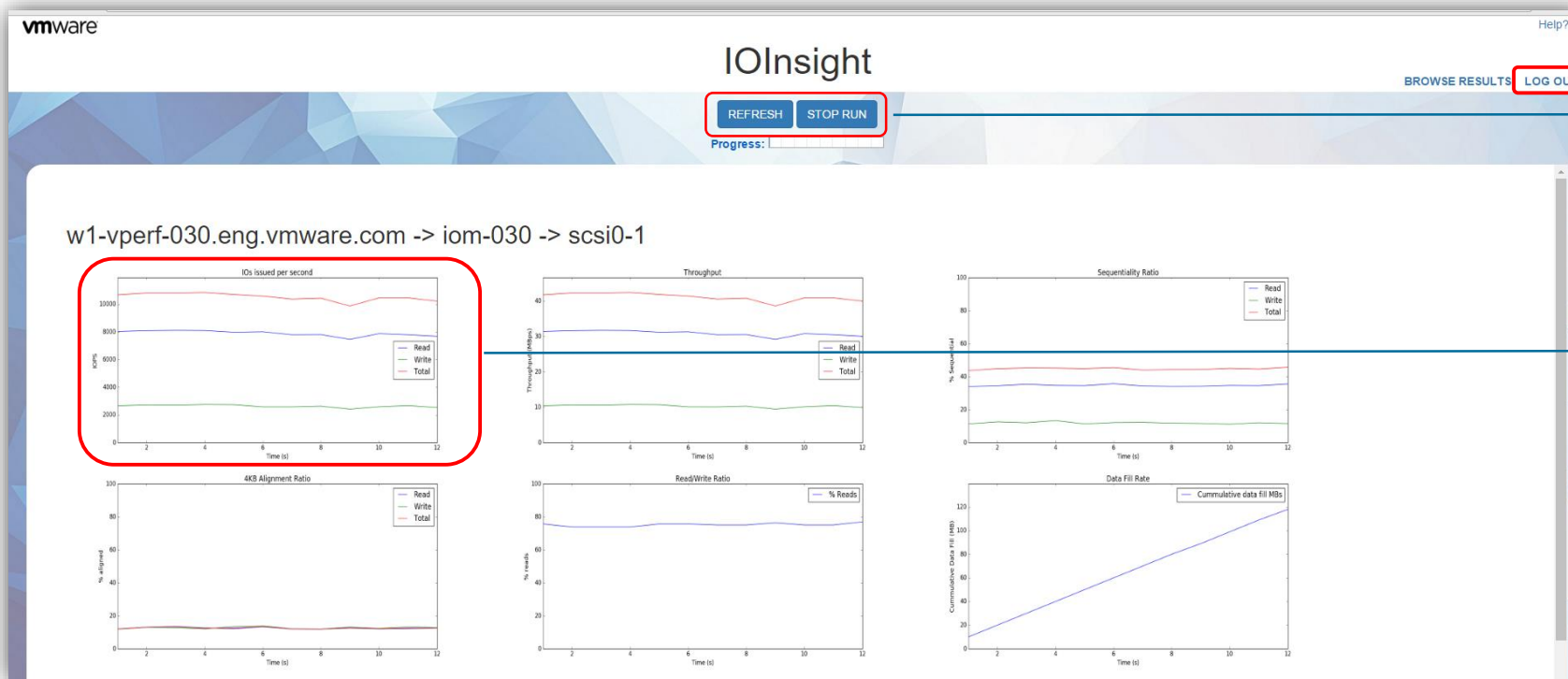
Enter the **RUN NAME** and the **DURATION** of the run

Select one or more analyzers

Once all details are provided click on the **START** button to start the run

# Result Visualization

First set of result graphs are generated 30 seconds after starting a run



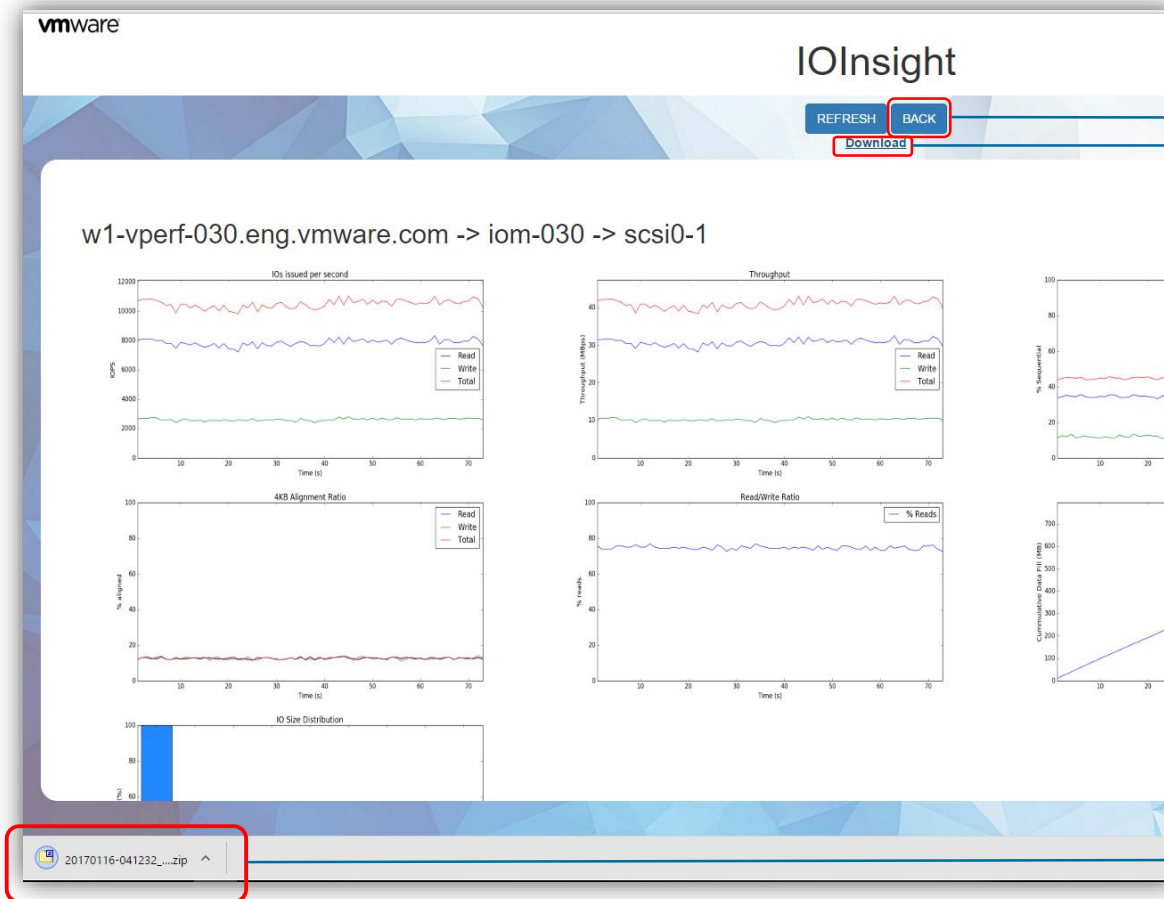
Click on the **LOG OUT** link to stop ongoing run and logout

- **REFRESH** button updates the graphs
- **STOP RUN** button stops the ongoing run

Result graph. Can be zoomed in by clicking on it.

# Result Visualization

Once a run is stopped the result graphs can be downloaded or can start a new run .



To start a new run can click the **BACK** button

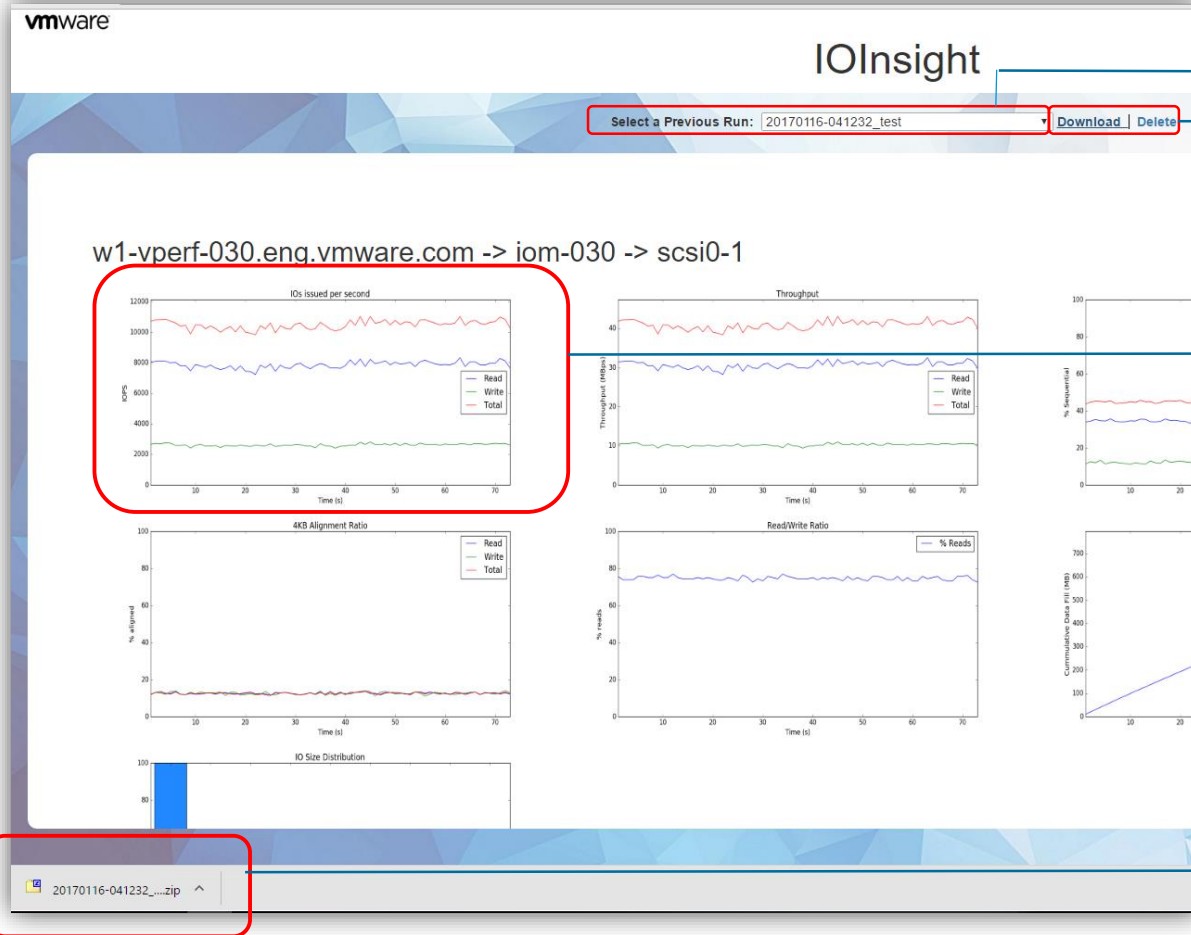
The **Download** link can be clicked to download displayed results

Downloaded zip file contains result graphs and raw data in CSV format



# Browse Previous Results

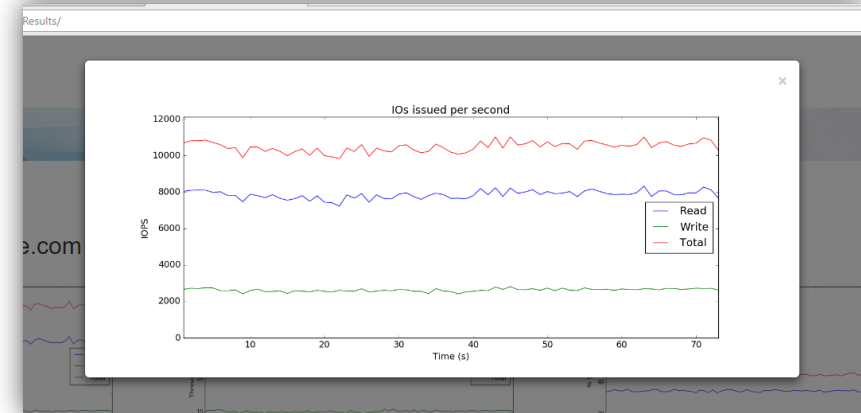
The **BROWSE RESULTS** link lead to this webpage.



Select a previous run, results of which you want to view

- To download the displayed graphs click the **Download** link
- To delete the selected run/analysis ,click the **Delete** link

Graph can be zoomed in by clicking on it



Downloaded zip file containing the graphs and raw data in CSV format

# Best Practices

- VM Configuration
  - vCPUs : Minimum 2, 4 if analyzers with heavy processing are added
  - Provisioned memory:  $\geq$  2GB
  - IOInsight VM should be ideally deployed in the same/closer network as the hosts being monitored. Otherwise, larger RTTs can result in slower response times
- Analysis/Run Configuration
  - We recommend selecting  $< 8$  VMDKs for a single run as large number of parallel monitoring can result in high overhead, especially if IOPS is very high for those VMDKs
  - Recommended analysis duration is at least 10min (default 30:min)
  - Cache Simulation analyzer is CPU-intensive. We recommend running cache simulation for 1 or 2 cache configurations at a time for better performance. Increase the number of VCPUs for more parallel configurations.