



Monitoring Approach

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Download Quick Profile (30-Days) Kubernetes Host Summary Statistics and Data

You can download the Quick Profile (30-days) Kubernetes Host Summary statistics/data report from the Profiler Home page > **Download Results** option.

Report characteristics:

- Includes Container/host level compute and storage capacity metrics
- Does not include deep storage or compute metrics or metrics for individual Containers
- Data downloads in CSV format and can be uploaded to the Compute and Capacity workload in the HX Sizer tool

Profiler Data Collection Architecture

Understanding the Kubernetes Profiler Data Collection Architecture

The Profiler connects to Kubernetes server using the root admin credentials.

Architecture characteristics:

- The Profiler directly collects the Kubernetes server Inventory information (Clusters, Hosts, Containers, and basic metrics) and the compute metrics from Kubernetes server itself.
- The Profiler also collects deep storage metrics for each Container and aggregates these metrics at a host-level.
- The Kubernetes server does not directly maintain deep storage metrics. The Profiler software invokes Kubernetes server to fetch this data from each individual host (using vSCSI) to obtain detailed data for

each Container. The Profiler then summarizes the data from all Containers to build a host-level summary. For example, the software obtains maximum, minimum, and average values for metrics, such as latency, where as IOPS (Total Blocks/Interval) and throughput (Total Bytes/Interval) are average values only.

Performing Profiler Clean-up

Performing Kubernetes Profiler Container Clean-up

After you complete your profiling activities, follow the best practice of performing the Profiler Pod clean-up to achieve a thorough shutdown and exit of the Profiler.

Step 1 Download the profiled data with the following steps:

- a) Launch the Profiler application.
- b) Download the data (CSV format) from the Home page. See [Downloading Kubernetes Profiling Results](#).
- c) Save the CSV for further analysis.

Step 2 Delete the namespace if it is no longer required to profile the data for the environment.
