

SUMMER

Stockage Unifié Mutualisé Massif Évolutif et Réparti

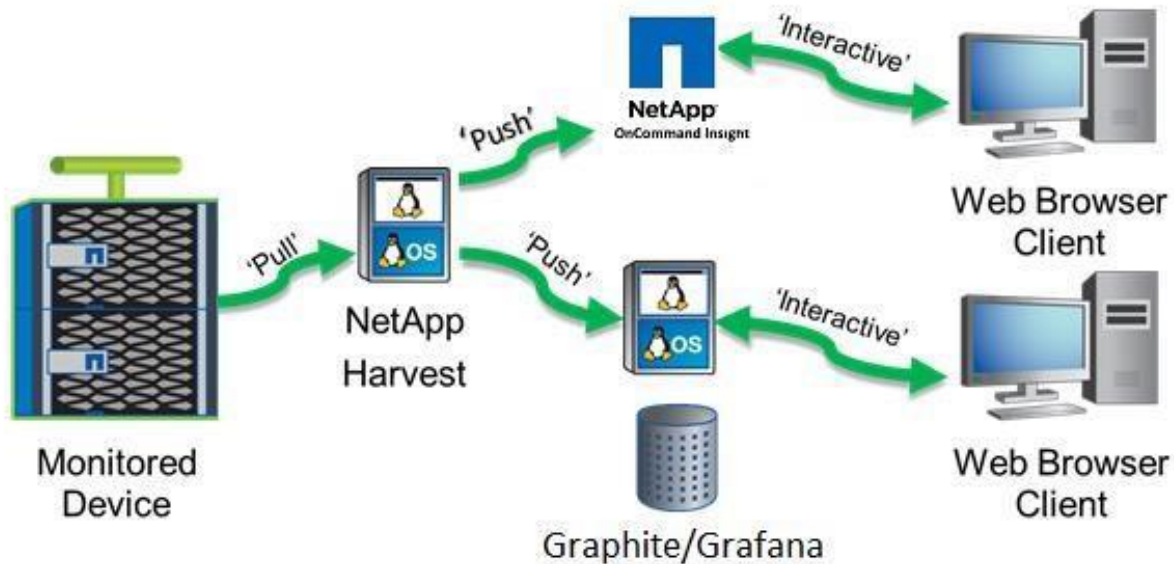
SUPERVISION

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- NetApp Harvest is software that connects to a remote host, collects data, calculates and summarizes the data, and posts it to a metrics server. It offers default collection templates for performance information from ONTAP every 1 minute and storage capacity information from OnCommand Unified Manager every 15 minutes.
- Harvest can be used together with Graphite (time-series db) and Grafana (dashboards), and/or with NetApp OnCommand Insight as shown in the diagram below:

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□ ONTAP

- Node perspective: aggr, eth_port, fcp_port, MetroCluster fcvi adapter, storage adapter, processor, flashcache, flashpool, awa, system, vol, vol_summary, wafl, cifs, nfsv3, nfsv4, nfsv41, iscsi, fcp, VAAI, Microsoft ODX, vscan, FabricPool
- SVM perspective: cifs, nfsv3, nfsv4, nfsv41, iscsi, fcp, fcp_lif, iscsi_lif, lif, vol, vol_summary, QoS, copy offload, vscan, FabricPool

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- Capacity data collected for OnCommand Unified Manager supporting ONTAP includes:
 - ▣ Node perspective: aggregate, capacity used, used percentage, growth rate, dedupe savings, compression savings, etc
 - ▣ SVM perspective: SVM, volume, lun, qtree, capacity used, used percentage, reserved rate, fill rate, dedupe savings, compression savings, quota limit, etc

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- <https://sum-graf.ujf-grenoble.fr>
- Accès spéciaux pour CT Stockage
 - ▣ Cluster, nœuds, SVMs, volumes, disques, cache, réseau, etc ...
- Accès par ayant-droit
 - ▣ SVM, objets associés et protocoles (Useful to view SVM performance, identify busiest volumes, capacity utilization, etc.)