

Virtual Instruments – VirtualWisdom 3.x SolutionPack

Summary

Visualise key Infrastructure Performance Management metrics collected by the Virtual Instruments SAN Performance Probe. Access key performance and availability metrics, including individual transactional performance from host to LUN, host to LUN overview, link level aggregated metrics for throughput and errors and a link level inventory for impact assessment.

Main Reports

- SAN Performance Health and Utilisation – reports key IPM metrics grouped by initiator, Target and LUN.
- VI SAN Performance Probe Detail – reports link level throughput, utilisation and errors along side impacted host/initiators.
- Monitoring – top N reports for Link Errors and utilisation and read and write transactional performance
- SAN Inventory – reports relationship data between Initiator, Target and LUN (ITL), Target, Initiator and LUN (TIL) and SAN Performance Probe to ITL.

Retrieved Metrics

- **Performance:** Read and Write Exchange Completion Time (ECT), number of completed reads and writes.
- **Health:** Link errors (LOS, LOSync, BadEOF, CErrors, LinkResets, CRCErrors) SCSI Errors (Aborts, BadStatusFrames)
- **Utilisation:** Aggregate storage link utilisation, individual initiator to LUN utilisation
- **Optional metrics:** Read and writes frame count, read and write payload sizes

Support List

- VirtualWisdom 3.x – supported version greater than 3.4.3
- Data can be collected from multiple VirtualWisdom Portal Servers
- VirtualWisdom data is collected at a minimum 5 minute granularity from a constrained metric set.

Installation Inputs

- This SolutionPack uses the VirtualWisdom WebServices API and requires a VirtualWisdom user credentials, these will be required to complete the install.
 - Please refer to the field documentation for further details
- This installation process will ask for a Portal Server IP address.
 - To collect data from more than one Portal Server additional configuration is required. Please refer to the field documentation for further details

- This installation process will request the webservices port number (default 8080). This is set in the standard *virtualwisdom.properties* file (located in the VirtualWidsom installation directory).