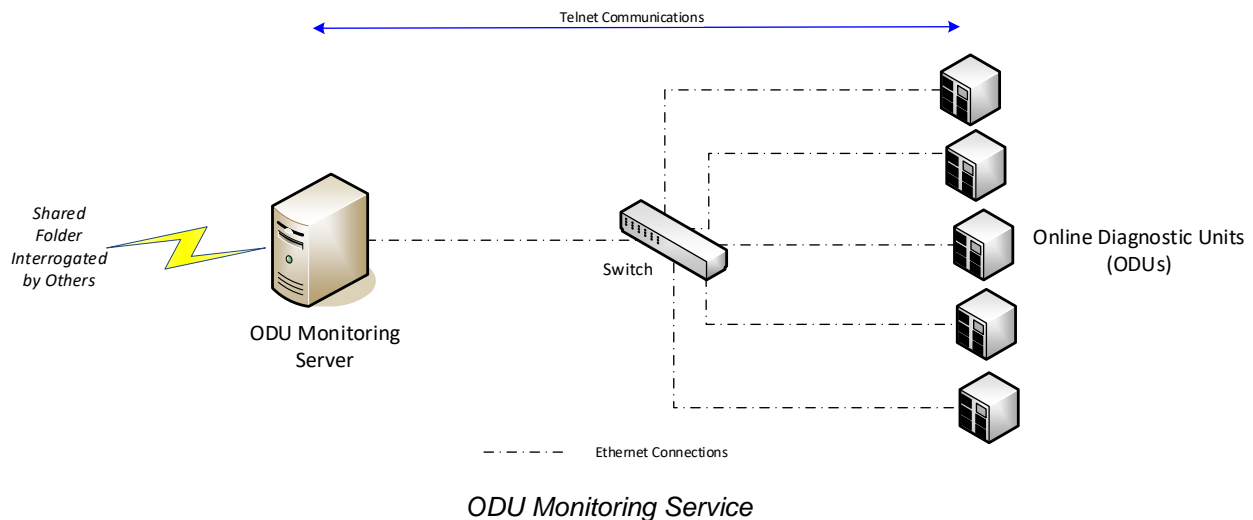


Intelligent Information: ODU Monitoring Service



Overview

The Online Diagnostic Unit (ODU) monitoring service was engineered to automate the previous manual interrogation of the ODUs.

This service runs periodically on a real or virtual Microsoft Windows server and simultaneously interrogates a configurable number of ODUs using the Telnet protocol.

Once all the ODUs have been read, or the response times out, an XML or text file is compiled containing the status and data read from the ODUs. This is placed in a shared folder where it is read by a third-party application and used to generate an operations information dashboard display.

When a new or replacement ODU is brought back online then the required configuration is downloaded from the monitoring service before the ODU data is interrogated.

Main Features

- ODU monitor is based on widely available hardware / operating system software
- ODU units can be replaced online, configuration is downloaded from the service to the ODU when it first becomes online
- 253 ODU units can be monitored from a single service instance
- ODUs are scanned simultaneously thus scan time is independent of number of ODUs per service
- Each ODU status and readings of its corresponding sensors are logged in human readable XML or text files
- Event, warning and error messages logged in Windows Event Log which can be remotely interrogated

