

Vertel Command Line and SYSLOG Interface

Vertel has developed a customizable, user-friendly Command Line and SYSLOG Interface product for the telecom equipment market. The command line interface (CLI) is similar to the CISCO CLI and uses TL1 to interact with the equipment. The SYSLOG interface supports Telnet and RS232 and is used to transmit alarms across networks. Other key features of the product include:

- Hierarchical commands (see Figure 1)
- Flexible mapping of the commands to T11
- Hot keys
- Command completion
- History viewing
- Scripting
- Component oriented architecture (see Figure 2)

Solution Overview

Vertel's Command Line and SYSLOG Interface is a framework-based product that can be readily customized for any telecom equipment. The command line interface (CLI) is similar in appearance and behavior to the CISCO® CLI and has a very small footprint. The SYSLOG interface is used to transmit alarms across networks.

Challenge

A telecom equipment vendor needed a CLI similar to the CISCO CLI in a very short time frame. As the CLI may evolve during the product development cycle, the vendor needed a solution that would not lead to code changes and re-development.

Solution

In approximately 8 weeks, the Vertel Command Line and SYSLOG Interface product was customized for the vendor-specific commands and equipment interface. The product is component-based, and provides a data-driven solution with flexible mapping which ensures that changes to the CLI syntax and its mapping to equipment commands does not lead to code changes and re-development.

The layered and component-oriented architecture shown in Figures 1 and 2 facilitates customization in a short time.

Benefits

The Vertel Command Line and SYSLOG Interface product reduces the vendor's development time creating a substantial time-to-market advantage. It is a robust product that can withstand changes to the command syntax and its mapping to the equipment commands, thereby leading to lowered maintenance and upgrade costs.

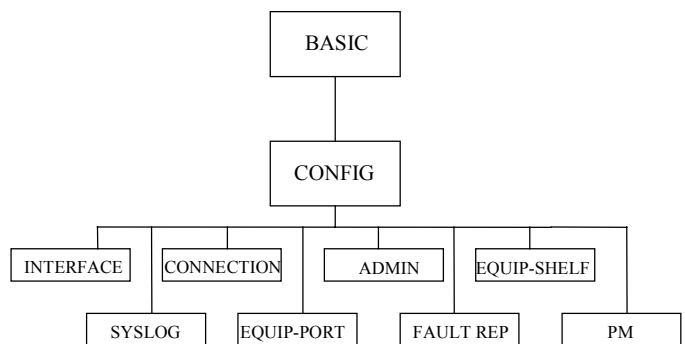


Figure 1 Hierarchical Command Modes

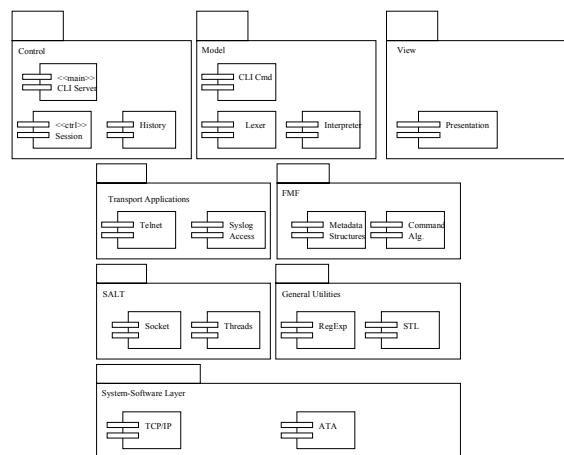


Figure 2: Layers and components of the Command Line and SYSLOG Interface product



Connecting systems, software and carriers



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