

Aricent's ERPS reduces product development, testing and integration complexity

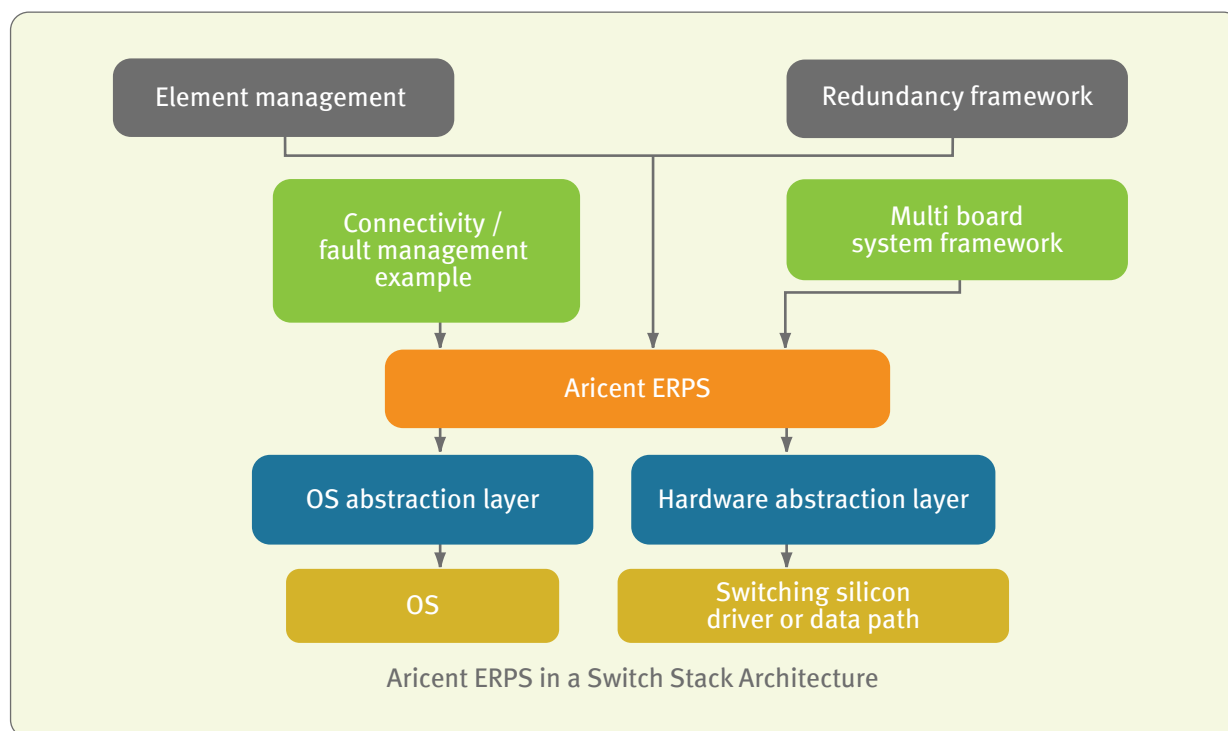
G.8032 Ethernet Ring Protection Switching (ERPS)

Aricent's Ethernet Ring Protection Switching

Aricent ERPS is a portable implementation of the Ethernet path protection switching mechanisms specified in the G.8032 specification from the ITU-T. The G.8032 specifies mechanisms to protect Ethernet rings from link and node failures. Implementation of protection switching allows carrier Ethernet networks to meet higher levels of fault tolerance, resilience and service level agreement satisfaction.

Aricent's ERPS Architecture

The software is implemented in a modular and portable manner, which allows you to easily integrate it into a variety of Ethernet switch designs based on different combinations of processor, operating system and Ethernet switching silicon. The software is implemented with clearly defined interfaces to other components in the switch, including abstraction layers for the operating system and switching silicon interfaces, allowing a developer or system integrator to integrate it easily.



Key Features

Aricent ERPS:

- Implements the Ethernet Automatic Protection Switching protocol for Ring Topologies as defined in the ITU-T G.8032 / Y.1344 specification
- Supports revertive mode of operation
- Supports automatic, forced or manual switching operations
- Supports protection of multiple rings at a single node, thereby protecting multi ring networks
- Implements configurable timers for Guard timer, Hold timer and Wait To Restore timer
- Supports configuration of RPL (Ring Protection Link) and RPL-Owner.
- Implements the capability to execute multiple instances of the protocol to support multiple virtual switch contexts
- Implements support for high-availability
- Implements support for multi board systems for example, modular chassis based switches
- Supports a generic interface to aid different failure detection mechanisms to trigger protection switching
- Provides comprehensive support for configuration and management through different schemes such as SNMP and CLI
- Provides a proprietary set of MIB objects for management through SNMP
- Provides support for notifications through traps
- Provides generic APIs for easy integration with related software modules from other sources
- Conforms to Aricent's Flexible Software Architecture for Portability (FSAP) framework, for portable code

Key Benefits

Accelerate Time-to-Market: Reduces product development cycles thereby accelerating time-to-market for OEMs and VARs

Reduce Complexity: Reduces product development, testing and integration complexity

Deliverables

- Source Code written in C
- Porting Process Document

Licensing

Aricent's ERPS is offered with a source code usage license on a specified platform, with unlimited object code distribution.

CORPORATE OFFICE

700 Hansen Way
Palo Alto, CA 94304-1388 USA
Phone +1 650 391 1088
www.aricent.com



© 2009 Aricent Inc. All rights reserved. All Aricent brand and product names are service marks, trademarks or registered marks of Aricent Inc. in the United States and other countries. All other marks are the property of their respective owners.