

RapidFLEX™ Application Server

The Pactolus RapidFLEX Application Server offers an exceptionally flexible, scalable and cost effective solution for deploying revenue-generating subscriber voice services. For service providers, third-party developers and OEMs looking to differentiate their service offerings, the Application Server reduces the cost and complexity associated with creating unique branded services.

Flexible Application Development

- Developers can readily create or modify applications for the RapidFLEX Application Server using the Pactolus RapidFLEX Service Creation Environment (SCE). With its visual, flow-chart style presentation, developers can rapidly create service applications, producing an XHTML (eXtensible Telephony Markup Language) script which executes on the Application Server.

Extensible, Plug-in Architecture

- Pactolus provides a Software Development Kit (SDK) that defines a lightweight, software component framework for "plugging in" new software modules—and enabling new application features. The SDK supports adding components to both the SCE and the Application Server, enabling extension of the SCE development framework to generate the XHTML that supports new features added to the Application Server.

Flexible Application Execution Environment

- In addition to running XHTML scripts, the RapidFLEX Application Server can also execute Java and C/C++ code. A data access interface supports connections to SQL databases through dynamic SQL statements or stored procedures.

Web-based Applications Configuration

- The RapidFLEX Applications Configuration Environment enables the RapidFLEX platform owner and their service provider customers to provision service offerings via the Web. The browser based interface provides operations for adding new subscribers, obtaining information about a subscriber's account, and running reports.

Centralized System Management

- The RapidFLEX System Management Console enables service providers to monitor and manage their RapidFLEX Application Servers and their associated media servers via a standard Web browser. Several Application Servers can be monitored from a single view, and XHTML servers and applications can be started and stopped. Applications can be brought out of service gracefully, so they complete servicing all existing requests before shutting down, or they can be stopped immediately. Also, the number of call sessions executing for each application can be modified while the application is running.

SNMP Element Management Support

- In addition to the RapidFLEX System Management Console, the RapidFLEX Application Server can be accessed with existing service provider element management systems using SNMP to provide updates on various statistics, generate traps/notifications, and monitor other events. The RapidFLEX Application Server supports SNMP v2c and v3 MIBs.

RapidFLEX Application Server Specifications

Red Hat Linux Configuration

IBM X Series or Dell PowerEdge Servers

Number of sessions/simultaneous calls:
up to 3,000 depending on application

SIP requests per second: 450



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