

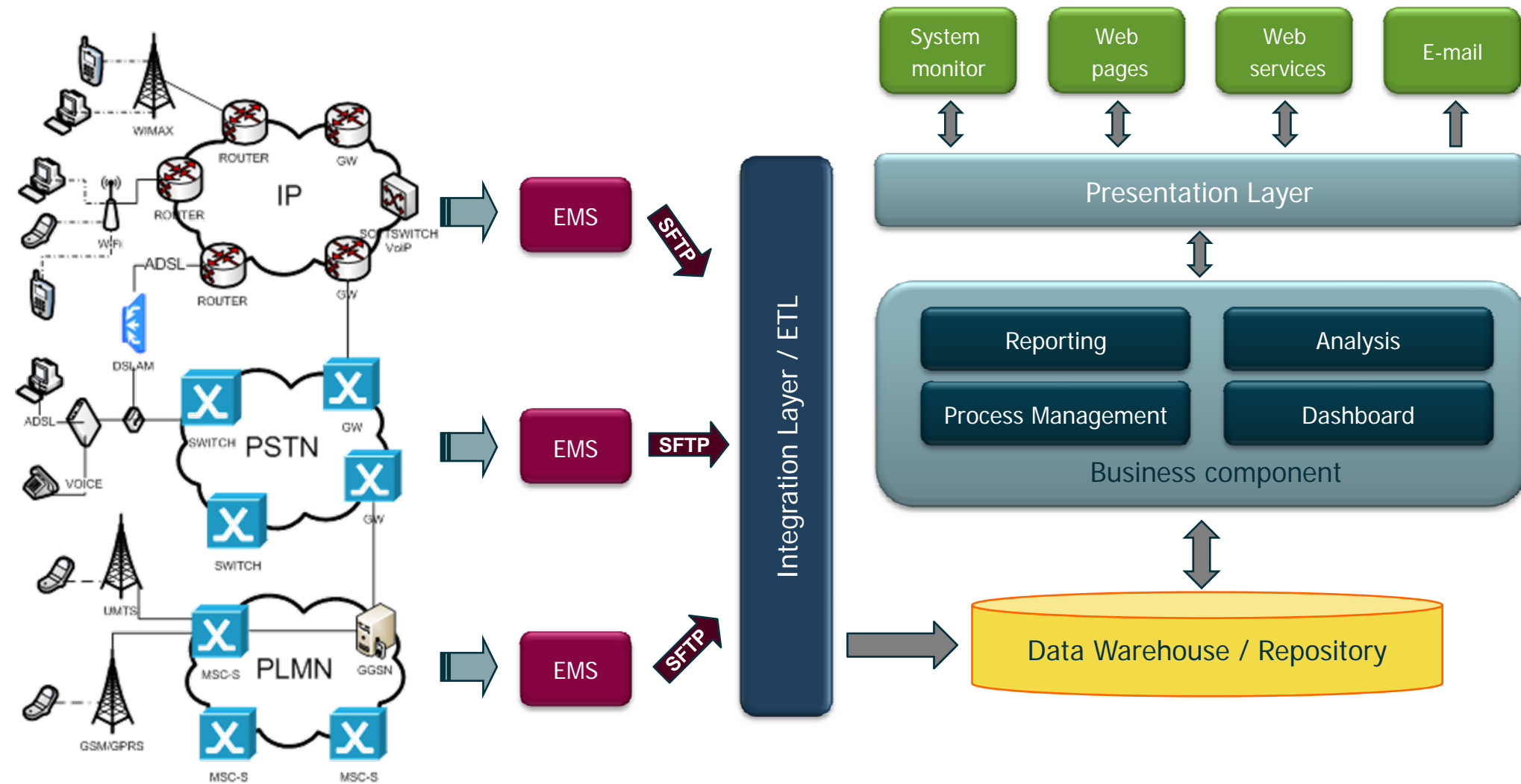


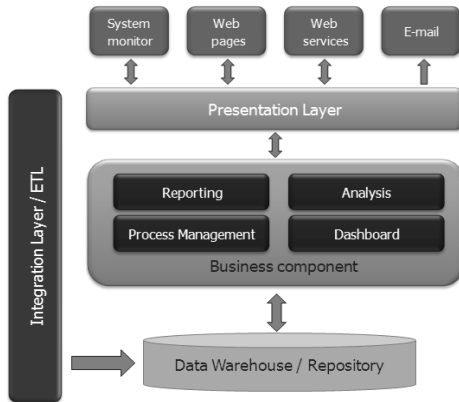
RRF – Reply Reporting Framework



- The increase in the services provided in the telco market requires to carry out short and long-term analyses aimed at monitoring the use of resources and timely detecting any problem related to the network infrastructure performance.
- RRF is the Reply solution for integrated reporting and network monitoring related to:
 - Performance data
 - CDR
 - QoS
 - Service delivery and traffic types

The Scenario





The framework is based on the Pentaho BI Suite Enterprise Edition suite and consists of the following components:

— Integration layer

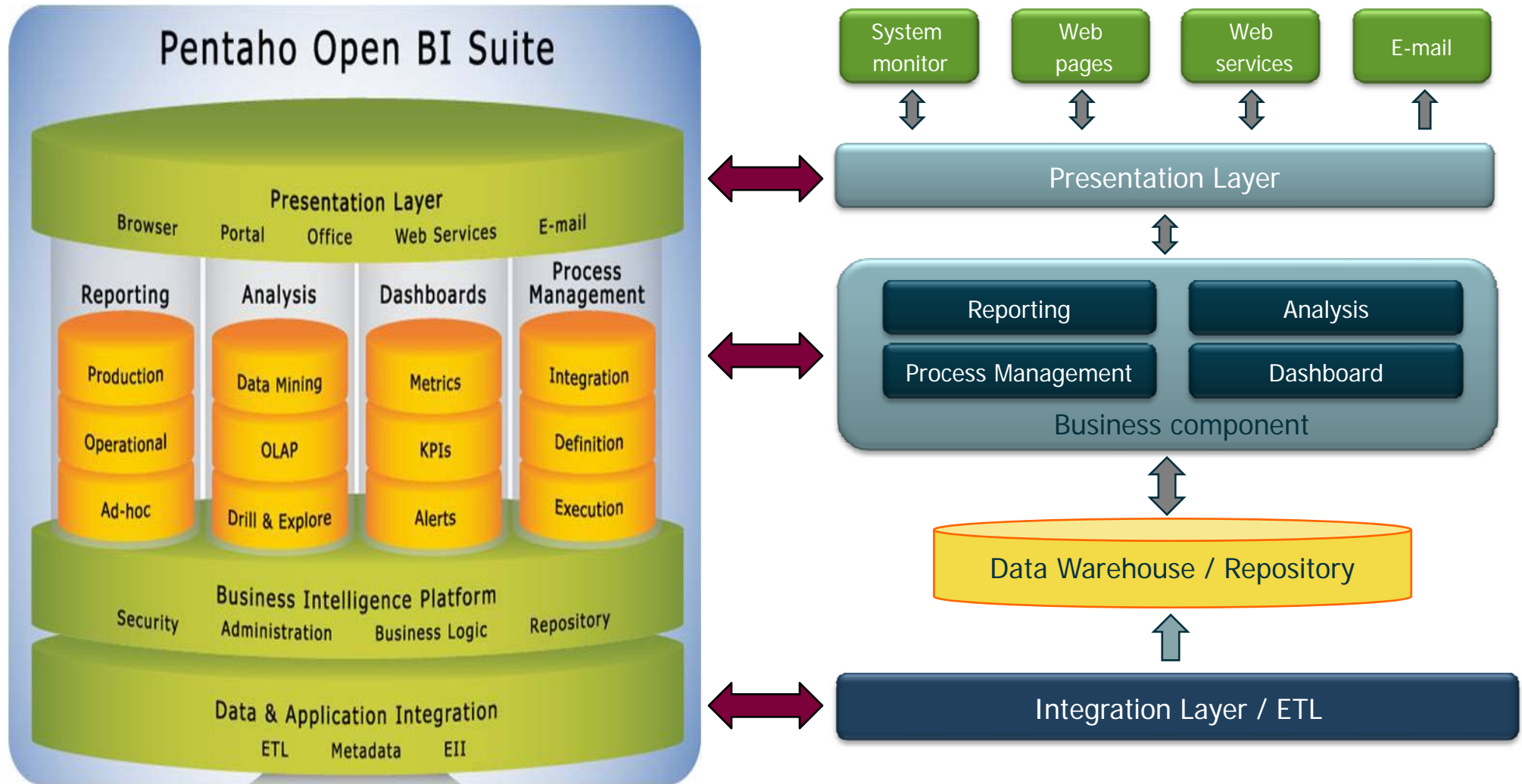
- Multiple methods enable extraction, synchronization, data entry from various databases, processing optimization and creation of data warehouses and data marts (ETL).

— Business component

- Components for the generation of reporting, data analysis, definition of business rules; a workflow engine and an administration console.
- The components integration enables to use them jointly, define business processes, enter and process data, generate analytical views and dashboards.

— Presentation layer

- The framework provides Java Server Pages (JSP), Servlet and Portlet interactive Web interfaces.
- A web administration console enables landscape configuration, component management and system performance analysis.



Dashboard and Analysis Tools

- Completely configurable interface which allows users to customize the relevant data display
- KPI calculation enables to analyze metrics, define threshold tables and generate alarms
- “Drill Anywhere” function which allows users to display data at aggregated or detail level; it ensures maximum efficiency in analysis and cost-cutting processes as well as high performance in decision-making processes
- Generation of analytical reports in table and graphic format with multiple settings options; data can be graphically displayed on maps using Google Maps
- OLAP tools supporting decision-making processes enable high performance in information search both in terms of response time and query extension:
 - OLAP standards support including Multidimensional Expression (MDX) Language and Java:
 - Calculations defined in the OLAP model or inquiries using query
 - Automatic conversion of MDX or JOLAP into complex queries

- User profiling through Central Authentication Services (CAS)
- Single sign-on support through directories such as Lightweight Directory Access Protocol (LDAP) or Microsoft Active Directory and any custom systems
- Central administration console which enables the configuration and management of security settings and the integration with business security systems
- Prevention of system access violations

Features and Advantages

- 100% J2EE solution ensuring high scalability, stability and security
- Open source “licenses” and open standards support – J2EE, JDBC, MDX, SQL, JSR-168, etc.
- Use of interactive Web technologies (AJAX)
- Support to all commercial and open source databases
- Reporting in HTML, PDF, Excel, RTF formats with scheduled and on-demand generation
- Administration console with configuration, auditing and performance analysis features
- Designed with a Service Oriented Architecture (SOA) approach and with a non-monolithic structure

- Traffic loss reduction with consequent higher service quality and ROI improvement
- Support to network planning activities
- Monitoring of service quality and resource optimization
- Analysis of anomalies and support to functions managing network maintenance activities



Contacts

www.reply.eu
info@reply.eu

