



The Charging solution for Telecom Services Providers

Kabira Convergent Charging

Kabira Convergent Charging (KCC) is a powerful charging solution that supports and integrates diverse voice, packet and content services with leading OSS/BSS applications. By integrating convergent networks, applications and services within Kabira's memory-resident platform, powered by Bull NovaScale Server, operators can readily and reliably charge for any combination of services in real-time.

Operators may authorize and charge for any combination of enhanced, real-time, multimedia or mobile service, including rich voice, VOIP, data, Triple Play, messaging, conferencing and 3G services. KCC is designed to support IMS and next-generation network functionality. KCC offers a single convergent charging product to support fixed, mobile and broadband services in batch, offline event and online charging models.

The performance to handle real-time services.

In a network environment characterised by surges in traffic, systems need to support billing, mediation and services management that offers more performance, transactionality and intelligence than ever before. There is no other way to extract the correct events from packet sequences comprising real-time "chargeable events" without loss of revenue. KCC takes full advantage of the 64 bit Bull NovaScale server to provide a flexible, scalable proven, universal mediation and usage management solution.

Enabling New Business Models

KCC introduces flexibility and versatility into the billing mediation process chain by isolating IT applications from evolving network infrastructure and vice versa.

By effectively allowing the standardized integration of all network devices with business support systems, it enables a wide variety of new service and charging models.

Business Benefits

- Simplify usage-based billing for convergent service
- Enable detailed understanding of customer usage for segmentation and business intelligence
- Deliver new technology through distributed component architecture while integrating legacy environments for maximum return on assets.
- Minimize time, cost and effort to support new services.
- Unify business intelligence, revenue assurance, service assurance and service delivery processes for maximum business agility.



Architect of an Open World™



www.kabira.com

NovaScale's key advantages are:

- Optimum price/performance and performance/watt ratios, with energy-efficient processors and low thermal dissipation
- Secure environments for mission-critical applications
- Increased flexibility, because it simultaneously supports multiple operating systems, offers powerful scale-up/scale-out and partitioning functionality
- Cost reduction through consolidation,
- Easy system administration, with the NovaScale Master Software suite.

About Bull

- The Premier European based global IT supplier
- A worldwide presence in more than 60 countries
- Every day, in over 100 countries worldwide, thousands of organizations rely on Bull's Open IT products, solutions and services to support their businesses.

About Kabira

- Kabira provides high performance real-time transaction processing software for Telecommunications and financial Services Industries.
- Kabira products are designed to meet the needs of highly available systems performing mission-critical business services.
- More than 70 organizations in 30 countries rely on Kabira high-performance transaction processing to support real-time product and service offerings mission critical transaction processing capabilities.

Functional Architecture

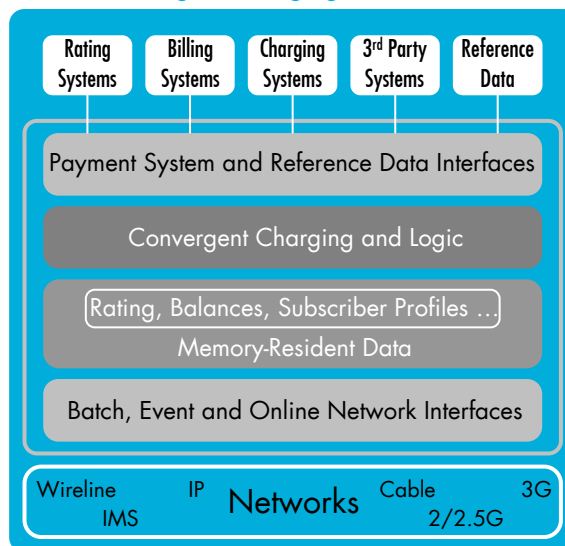
KCC is an open standards-based, modular software product built upon the SOA-compliant Kabira Transaction Platform. KTP fully utilizes the Intel® Itanium® architecture of Bull NovaScale servers based on the EPIC technology (Explicitly Parallel Instruction Computing) to perform distributed data management, replication, event-driven messaging, transaction processing and monitoring in a 64-bit runtime environment. Kabira accelerates performance by an order of magnitude compared to disk-based systems.

- Real-time charging that bridges current and next generation networks
- IMS-compliant architecture and functionality
- Supports pre-paid, post-paid, offline and online charging
- High Availability (HA) design operates in real-time
- Scales to support highest-traffic networks in the industry
- The fastest high-volume solution available
- Enables faster time-to-market for existing and innovative new services
- Proven interoperability with a broad set of Telecom network elements and OSS/BSS applications

- Full set of mediation capabilities including duplication detection, correlation, aggregation, record repair, enrichment, routing, validation and mapping
- Balance management, rating and account management
- Administrative environment for managing statistics, audit logs, security, alarms, tracing and archiving workflows
- IDE Eclipse for design and customization

- Solution templates for more rapid implementation of common use cases
- Support for multiple charging, billing, rating and subscriber management systems
- High-speed, configurable ASN.1 interface for extensive network element compatibility
- Routing to external applications
- Open and scalable platform for future development and integration.

Kabira Telecom Convergent Charging Architecture



Platform / Operating System



NovaScale Intensive – Red Hat Enterprise Linux

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