



Sun™ and Kabira

High-speed, scalable convergence and provisioning solutions



Escalating competition is forcing service providers to look for ways to attract and retain subscribers. With consumers demanding more bundled services, providers need systems with the power and agility to deliver new and innovative services quickly and charge accurately for use. The Kabira Provisioning and Service Activation and Convergent Charging solutions running on Sun™ platforms provide a fast, scalable, high-speed, high-volume system that enables service providers to produce new services rapidly and realize revenue quickly and efficiently.

The increased pressure to compete

Competitive pressures, escalating customer expectations, and business realities compel carriers to look for new ways to capture and retain subscribers and deliver services that can be brought rapidly to market. Increased revenue depends on differentiating offerings through a wide variety of faster new services with richer features and greater convenience. To create variety and differentiation, the industry is shifting to IP-oriented services, requiring the convergence of different platforms to deploy services swiftly enough and with sufficient scalability to meet customer demand. Merging IP-based networks with existing ones requires systems capable of quick and agile product development and delivery. Tailored for specific networks, existing systems provide siloed services and are limited in the number of features that can be combined into an offering. These systems cannot be easily modified or integrated with the different networks necessary to offer the mix of wireless, wireline, cable, and broadband services that consumers demand.

The need to maintain profitability

As growth slows and each new service contributes incrementally less revenue, rapid service delivery and accurate billing are essential to profitability. Integrating different networks creates challenges for operators.

Carriers need charging systems that can capture and act on data generated by merging networks, track activity across networks, and accommodate variable billing models such as roaming and family plans. The timely delivery and billing of authenticated services to subscribers requires flexible, robust systems that can handle high transaction volumes in real time and accommodate the different types of traffic, such as video, audio, voice, and text messaging. In addition, convergent charging systems must be able to support new protocols and network elements. Without powerful, agile systems that can meet these challenges, new services can be delayed and operators can lose revenue.

Kabira telecommunications solutions

Kabira software enables carriers to provision and deploy convergent services and charging capabilities that utilize existing and evolving networks, delivering both online and offline services. The Kabira software can be used separately or in combination, depending on individual operator requirements. Designed to support IP multimedia subsystem (IMS) and next-generation network functionality, Kabira technology enables providers to introduce new services today and scale for the more demanding services of tomorrow.



Highlights

- Deploy convergent services and charging capabilities utilizing existing and evolving networks with Kabira telecommunications software
- Use the Kabira Provisioning and Service Activation (KPSA) and Kabira Convergent Charging (KCC) software separately or in combination, depending on individual requirements
- Enable delivery of converged services with KPSA software
- Shorten the time needed to bring new products to market with KPSA
- Implement a billing and charging solution capable of integrating diverse services with KCC software
- Run Kabira software on Sun™ platforms for robust, powerful, scalable, carrier-grade solutions
- Leverage the excellent performance and innovative features of the Solaris™ 10 Operating System

Kabira Provisioning and Service Activation

Kabira Provisioning and Service Activation (KPSA) enables the delivery of converged services faster and at lower cost. Used by leading carriers in a variety of network and service environments worldwide, KPSA is implemented in 3G, GPRS, CDMA, broadband, IPTV, VoIP, and next generation networks. Providing fast on demand activation with performance far beyond that of conventional provisioning products, KPSA is ideal for swift, reliable, high-volume provisioning. It enables operators to utilize existing infrastructures, smoothly integrate convergent networks, and exploit lucrative new business models such as triple play services. KPSA enables short implementation time frames and is flexible enough to introduce any number of services as required, helping operators to reliably deliver new services faster, secure subscriber loyalty, and differentiate offerings.

Kabira Convergent Charging

Kabira Convergent Charging (KCC) enables the deployment of reliable, flexible, and scalable telecommunications charging that integrates diverse voice, packet, and content services with leading operations and business support systems (OSS/BSS) applications. Based on a transaction model that can handle billions of packets a day, KCC is capable of aggregating and processing charging events at unprecedented rates, enabling service providers to more effectively use resources as charging event volumes outpace industry forecasts.

KCC handles transactions across multiple services and parties and is able to coordinate diverse network elements and disparate operational systems. By coordinating the charging and facilitating the interaction between the networks and OSS, providers can use KCC to charge for a wide range of services in batch or real time.

Sun systems boost Kabira solutions

Sun offers carrier-grade hardware and is the server provider of choice for many telecommunications companies located throughout the world. Running Kabira software on Sun systems results in robust, reliable, and powerful telecommunications solutions. With scalable server platforms that can dramatically increase throughput and reduce energy consumption and datacenter footprints, Sun servers provide industry-leading performance and set new standards for performance, reliability, and energy efficiency.

All Sun servers run the powerful Solaris™ 10 Operating System (OS), providing a choice of high-performance platform that best suits business needs. Innovative enhancements to the Solaris 10 OS make it the most advanced operating system ever built, and its proven performance provides the Kabira software with additional throughput and performance advantages. As a result, running Kabira software on Sun platforms provides the tools for a high-performance transaction processing software solution that can grow and adapt with rapidly changing network and service demands.

Learn More

For more information, visit sun.com, kabira.com, or contact your local Sun sales representative.

About Sun and Kabira

Kabira Technologies, Inc. provides real-time, high-performance transaction processing software to run mission-critical applications for global enterprises in financial services and telecommunications. A proven leader, Kabira offers telecommunications solutions built on a proven transactional software platform that bridges the OSS and network service delivery domains for telecommunications and data network service providers worldwide. Drawing on over two decades of industry experience, Sun provides the telecommunications industry with flexible, scalable, innovative, and cost-effective solution infrastructures. Incorporating the latest technologies, next generation processors, and improved reliability, manageability, and serviceability, Sun solutions facilitate the adoption of leading edge, high-bandwidth infrastructures, service-oriented architectures, and services. Together, Kabira and Sun offer powerful solutions that enable operators to create, provision, deliver, and charge for new and combined services across networks, and leverage investments in existing legacy architectures while supporting industry evolution.