Lucent Technologies
Bell Labs Innovations

*Packet*IN™ Application Hosting Environment

Summary	
Platform	Lucent Intelligent Network (IN)
Protocols	ETSI/INAP, AIN, SS7, CAMEL, MAP, IMAP4, SMTP, SMPP, SNMP, SIP, CAP, MGCP/Megaco, OSA, HLR, LDAP, WML, XML, TCP/IP, WDG, OAMP

Create, Deploy, and Manage Next-Generation, Converged Services

Imagine your customer is rushing to catch a plane, but the traffic is impossible, and he's getting increasingly frustrated. Now, imagine being able to offer that customer an online service that reads his calendar, pinpoints his location, and determines that he will miss the scheduled flight. So, a seat is reserved for him on the next available flight and he's notified by his cell phone's micro-browser. Your customer accepts the reservation and pays any associated ticket-change costs with a prepaid account.

Wouldn't it be great to offer such an enhanced service? With the Lucent Technologies *Packet*IN Application Hosting Environment you can. It may sound futuristic, but it's not!

Our *Packet*IN Application Hosting Environment is a next-generation, converged-services platform, enabling you to deliver a wide variety of enhanced wireline and wireless services for converged voice and data networks. It also provides the infrastructure for new Internet protocol (IP) and multimedia services.

You need unlimited flexibility when it comes to developing and delivering converged voice/data, Web-enabled, and IP services your customers want. The *Packet*IN Application Hosting Environment is applicable across multiple networks, protocols, and technologies. It enables rapid creation of innovative, high-value services using Internet technologies and open application programming interfaces (APIs). It also supports third-party service deployment via *Java*™ and C++ APIs and delivers telco-grade reliability, performance, and scalability.

Selected Features

- **Multi-Technology Operating Environment** —The *Packet*IN Application Hosting Environment is both switch- and media-independent, so it can support deployments in various environments — multi-media (wireline, wireless, and data), multi-vendor, multi-protocol (including Internet, open-network, and *Java* APIs), and multi-technology environments.
- **Scalable, Distributed Architecture** — It enables you to move from proprietary to programmable components and from proprietary to open platforms. Plus, the modular architecture facilitates the introduction and smooth integration of additional interfaces to meet your future needs.



*Packet*IN Application Hosting Environment

- **Integrated Components** — The *Packet*IN Application Hosting Environment interfaces with the Lucent eSAE, eSM, eMRS, and eSD to provide a complete service offering. You can benefit from the entire Lucent *Packet*IN product family, of which the *Packet*IN Application Hosting Environment is an integral component.
- **Active/Standby Configuration** — Active/Standby, one of two available configurations, is used in situations requiring enhanced levels of reliability and redundancy.
- **Standalone Configuration** — Standalone is used in situations that require a more cost-effective solution and scalable reliability.

Benefits to Service Providers

- **Flexibility and Expandability** — Built on commercially available hardware and software, the *Packet*IN Application Hosting Environment supports deployments in multi-network, multi-vendor, and multi-protocol environments. It also supports third-party service deployment via *Java* and C++ APIs, supports open network initiatives, and delivers telco-grade reliability, performance, and scalability. It's an evolutionary platform that extends your current IN services while enabling you to create next-generation converged services.
- **Rapid Deployment of New Services** — You can create innovative services using Internet technologies that provide a framework for easy service creation, deployment, and reuse. Since it integrates with Lucent's service creation environment (Enhanced Service Authority Environment, eSAE) and service administration environment (Enhanced Services Manager, eSM), the Application Hosting Environment enables seamless service delivery and management. Additionally, it incorporates both *Java* and C++ APIs, which allows service development by multiple sources — independent software vendors (ISVs), Lucent, or your own developers — helping you expand service choices and speed service deployment.
- **Investment Protection** — Protecting your current IN investment without compromising your future, the Application Hosting Environment builds on the strength of Lucent IN components while providing an evolutionary platform that enables you to offer next-generation, converged services.
- **Competitive Advantage** — Offering the "futuristic," enhanced services that Lucent's technology provides — and your customers demand — can move you ahead in the marketplace.
- **Increased Revenue Potential** — Responding quickly to customer demands for innovative, Web-enabled, converged services can help you gain new and retain existing customers.
- **Our Expertise** — Continuing to meet the demands of a constantly changing marketplace, Lucent has successfully implemented Intelligent Networks that are easily provisioned and managed for years.

Benefits to Subscribers

- **Convenience** — With the *Packet*IN Application Hosting Environment, you can provide your subscribers with the convenience of integrated information exchange. The enhanced services you'll be able to offer can enable them to receive voice and pager messages, email, faxes, online shopping, and appointment scheduling "on the go"— and from the same device.
- **Increased Efficiency** — Increased communication and enhanced mobility for your subscribers can mean increased efficiency and productivity, security, and convenience. By being able to offer a variety of next-generation, converged services to your subscribers, you're making their lives easier.
- **Access to Innovative Technology** — Through your offerings, subscribers gain access to the newest, most in-demand, converged network services. Allow them to benefit from "futuristic" services — today!

For additional information, please contact your Lucent Technologies Sales Representative. You can also visit our Website at http://www.lucent-ssg.com/e-services_group or call 1-888-4-LUCENT (+1-888-458-2368).

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