

Telcordia®

Converged Application Server

The Telcordia® Converged Application Server is an IMS-ready, flexible service delivery platform with a powerful service creation toolkit. It serves as your single point of control for speeding innovative, revenue-rich services to market, at minimal cost, with unsurpassed reliability, in any network environment.

► One business objective unites communications providers worldwide — whether fixed, mobile, cable, or converged. It is: **revenue generation.**

Most providers need to preserve and strengthen their bottom lines by halting customer defections. In addition, both mobile and wireline providers need to produce new, dependable revenue streams that cover and capitalize on their investments in traditional networks as well as new technologies such as 3G and IP.

The underlying business drivers may vary, but the key to generating new revenue streams is to generate exciting, customizable subscriber services. In other words, providers need the most advanced capabilities available to rapidly build, test, and deploy hot services like fixed-mobile convergence, triple play, IP voice, IPTV, mobile TV, and video calling using IP Multimedia Subsystem (IMS) and pre-IMS technologies.

DISCOVER THE ONE PLATFORM FOR ALL SERVICES

The Converged Application Server, a component of the Telcordia Service Delivery Suite, is the one service creation and delivery engine that supports all technologies, services, customers, and carriers. It is the platform of choice for fixed and mobile operators around the world, because it enables unparalleled time-to-market and beats the competition in stability, reliability, and flexibility.

Built on a blade-server architecture, it scales for the smallest to the largest networks. This scalability also allows multiple networks (even in different countries) to be supported from a single system running multiple services, thus reducing the costs of each service. This platform makes it fast, easy, and affordable to create, manipulate, track, customize, and deliver IMS services for customers on any network.

001

Centralize service creation and delivery across pre-IMS and IMS networks

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Integrate easily with existing and emerging systems

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Significantly cut the time and costs of service rollouts

DO IT YOURSELF WITH THIS TELCORDIA SET OF TOOLS

The key component of the Converged Application Server is our advanced Service Creation & Provisioning Environment. It consists of a set of graphical tools that let you define the elements of a service and differentiate your offerings. Then, on the same display, you can manipulate, validate, test, provision, and manage the service. It can also record all of the instructions and rules for each service, so you can reuse service “building blocks” again and again to expedite new service creation.

INTEGRATE THIS SERVER WITH ALL YOUR EXISTING SYSTEMS

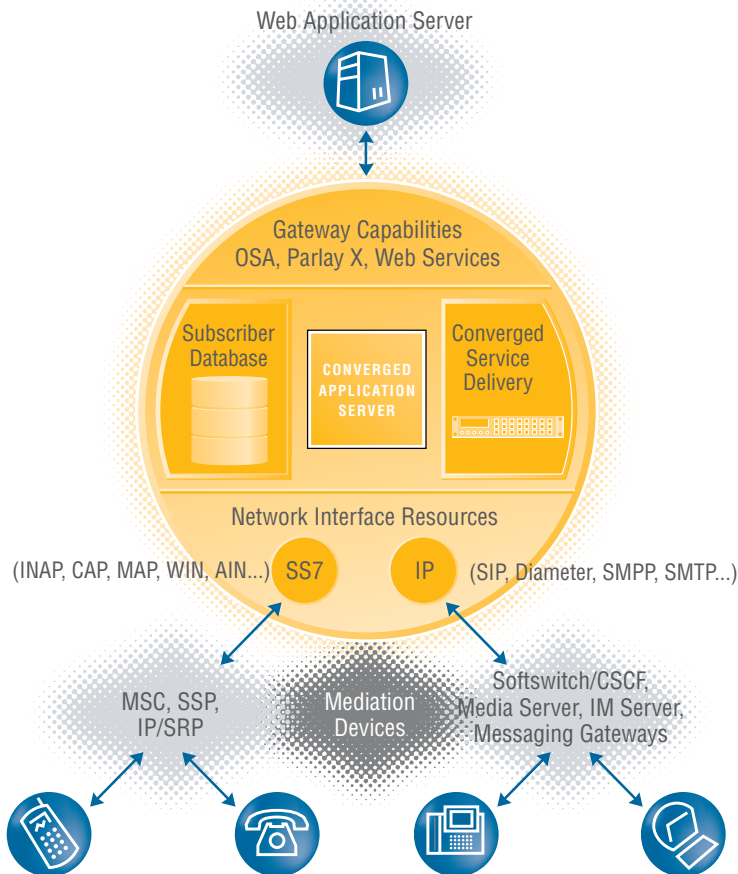
The Converged Application Server is engineered for easy integration and ongoing flexibility. With open interfaces and protocols, it works with existing and future network technologies, Operations Support Systems (OSSs), Business Support Systems (BSSs), and Web Services platforms using standard capabilities, like Simple Object Access Protocol (SOAP) and Common Object Request Broker Architecture® (CORBA®), as well

■ INNOVATION

■ EXPERIENCE

■ REACH

Converged Application Server Solution Architecture



as other IP protocols. The server also has proven interoperability with network elements from major vendors in both pre-IMS and IMS-compliant networks.

TAKE FULL ADVANTAGE OF OSA/PARLAY CAPABILITIES

Our platform also takes core telecom network capabilities — for everything from call setup and control to authentication, messaging, charging, and more — and makes them available to external applications using Open Service Access (OSA)/Parlay interfaces. Thus, it takes advantage of these evolving specifications to simplify creation of cross-platform services.

REACH OUT TO THE WIDEST POSSIBLE CUSTOMER BASE

Unlike other platforms on the market, our Converged Application Server supports both circuit-switched and IP networks, because we equipped it with a Service Logic Execution Environment that delivers services to subscribers, whether they are connected to the Public Switched Telephone Network (PSTN) or to an IP network. This capability is a great advantage to operators because it facilitates the migration of users from traditional networks to new-generation networks without disrupting their important value-added services.

DEPLOY THIS PLATFORM WITH CONFIDENCE

You can deploy our platform with peace of mind, thanks to patented fault-detection and error-recovery capabilities that help to prevent service outages. A Maintenance & Operations Server allows you to keep an eye on all service-related activities. This critical subsystem collects and processes system and network measurements, so you can view the overall health of the platform, as well as the status of links, disks, elements, system configuration parameters, and processes. The console also provides information on alarms, and performs diagnostic, repair, trouble log, and database back-up functions.

RELAX WITH UNMATCHED RELIABILITY AND AVAILABILITY

Over the years, as our system has evolved, it has accumulated more than 170 installations with a proven record of over 600 system-years of continuous operation without a service-affecting outage. Now you, too, can have high-performance, next-generation capabilities with unmatched reliability.

Our system components are built on the most modern off-the-shelf technology, and utilize industry-standard blade servers for exceptionally high performance and cost-effective, scalable configurations. Load-sharing servers operate “always-on” — not in inferior standby mode — with

THE TELCORDIA SERVICE DELIVERY SUITE

The Telcordia Service Delivery Suite provides a set of service creation and control enablers that deliver on the promise of convergence, allowing you to create, test, deploy, and bill advanced services for fixed, mobile, and converged networks. Built upon our service delivery platform, the suite gives you a faster, more cost-effective concept-to-cash cycle, so you can differentiate your offering and create new revenue streams.

AT A GLANCE

The Telcordia Converged Application Server is successfully generating revenue and reducing operations and capital costs for fixed, mobile, cable, and converged carriers around the world by:

- Greatly accelerating time-to-market for new services
- Making the hottest, new IMS services available to any customers
- Working with existing and emerging services and technologies
- Supporting both circuit-switched and IP networks
- Operating with unparalleled reliability.

no single point of failure. That means continuous, high-availability operation with “load-sharing cluster” configurations that can handle the growing, increasingly interactive demands of converged services.

OPTIMIZE OPERATIONS AND EMPOWER END USERS

The server’s Internet Services Gateway enables Web-based service provisioning, management, and end-user control. In addition, the Data & Reporting System mines data from the whole system, and either retains it for predefined and user-defined reports or exports it to a data warehouse. Reports can be scheduled or generated on an as-needed basis, in print or online formats, for internal intelligence or to allow customers to examine their own service usage.

IMAGINE A SERVICE AND MAKE IT HAPPEN

Let us show you how the Telcordia Converged Application Server can turn your operation into an efficient, revenue-boosting service creation engine. Whether you want to create your own innovative applications, deploy a third-party service application, or use the Telcordia suite of bundled, high-value service applications, our platform supports them all, including: Telcordia® Ringback Tones, Telcordia® Location-Based Services, Telcordia® Real-Time Charging, Prepaid/Postpaid Services, Converged Messaging & Content Delivery Services, Converged Virtual Private Networks, Converged Communications Portal, TV-Based Telecom Services, IPTV Applications, Voice over WiFi & VoIP Applications, Telcordia® Seamless Mobility, Find-Me/Follow-Me Service, ShareNow Collaboration Service, Universal Calling Services, Toll-Free/Freephone Calling Services, Least Cost Routing Services, and Call Screening & Privacy Services.

In addition to these pre-built applications, we are rapidly developing other exciting new services including Policy Management for Content Filtering & Bandwidth Control, Video Calling, and Presence-Based Services, all of which will be available soon. Our continuous development of innovative new services will help you stay ahead of the competition and generate valuable new revenues.

ACHIEVE SUCCESS

Our Service Delivery Suite is an embodiment of the Telcordia Elements of Success — our Innovation, our Experience, and our Reach — all of which help lead to your success as you evolve your network, deploy new services, and manage the experience of your customers.



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