BRIDGING IT AND TELECOM™

neXpresso SIP and HTTP Application Server

neXpresso is a powerful Service Delivery Platform for creating and deploying SIP-based applications in wireless, wireline and enterprise Next Generation Networks.

neXpresso solves many of the challenges faced by service providers who must offer new services and generate new revenues in an increasingly competitive environment. Based on the popular and successful Servlet model, neXpresso implements both JAIN SIP Servlet API and HTTP Servlet API. These standardized and widely supported programming models allow the development of a variety of applications, such as:

- Subscriber communication applications: presence, call forwarding and screening, rich-media services, conferencing, instant messaging, contact centers, …
- Network functions: rich call control, protocol translation, intelligent routing and logging, …

neXpresso greatly eases the development and deployment of SIP-based services. It allows developers to focus on business logic instead of protocol handling, and integrates seamlessly with existing OSS/BSS systems and infrastructure. Its enhanced performance and reliability enable large scale deployments, while reducing capital and operating costs.
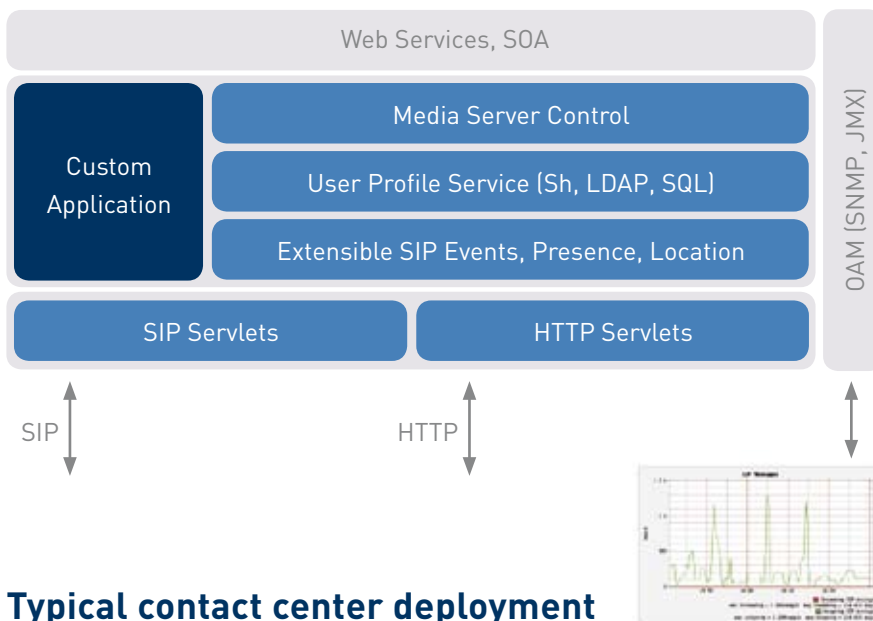
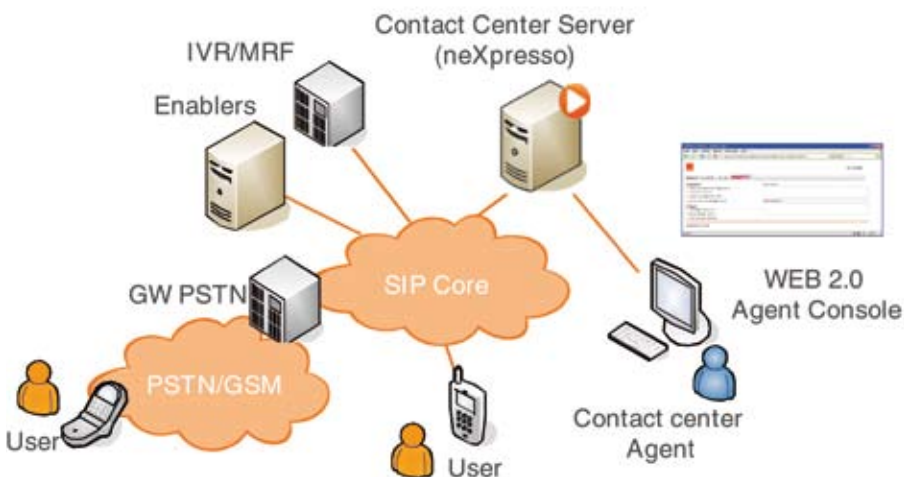| neXpresso Application Server Features and Functions		
Develop	SIP	• Standard and popular SIP Servlet programming model preserving investments • Supports and leverages all SIP features. All SIP roles are supported: UAC, UAS, proxy, Back-to-Back • Provides protocol abstraction and allows development focus on business logic
	HTTP	• Allows development of converged applications mixing SIP and HTTP (web monitoring, multi-channel contact centers)
	Java	• Full access to the wide range of Java libraries • Easy integration of your business logic • Integrates with J2EE servers such as JBoss or JOnAS
Deploy	Interoperability	• Fully compliant with all SIP- and/or IMS-based networks • Interfaces with media, billing and provisioning servers
	Reliability	• Proven track-record of large deployments • Automatic failover and replication
	Monitoring	• Web-based administration console • SNMP and JMX support

Main neXpresso components

Web Services, SOA	

Custom Application	Media Server Control
	User Profile Service (Sh, LDAP, SQL)
	Extensible SIP Events, Presence, Location
SIP Servlets	HTTP Servlets

OAM (SNMP, JMX)

SIP

HTTP

Typical contact center deployment

About NEXCOM Systems

NEXCOM Systems provides products, professional services and training to help network operators, service providers and call center operators offer innovative and cost-efficient multimedia communication services. Our flagship product, neXpresso, combines SIP and Web technologies, and has been installed in a variety of networks. NEXCOM Systems customers include France Telecom, SFR, Neuf Cegetel, Alcatel-Lucent, Nokia Siemens Networks, and Comverse.

Standards Compliance

JSR: SIP Servlets 1.0 (JSR116), HTTP Servlets 2.5 (JSR154), J2EE Management (JSR77), JSP 2.0 & 2.1 (JSR 152, 245), SDP (JSR 141)

SIP: RFC 3261, 3262, 3263, 3265, 2976, 3311, 3323, 3325, 3326, 3428, 3515, 3581, 3824, 3856, 3903.

SDP: RFC 2327

Diameter: RFC 3588, 4006*, 4740*

LDAP*: RFC 2251-2256,2829-2830

3GPP: TS 23.228, 24.229, 23.218

Media control: MSCP, MSML*

* Available in 2008

Supported Operating Systems

Windows 2000, XP, Vista
Linux RedHat, CentOS, Debian
Solaris

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SYSTEMS