TelScale JAIN-SLEE is the first and only Open Source Telecom Application Server based on a highly scalable event-driven architecture leveraging a robust component model on top of a powerful network abstraction layer to enable development and deployment of converged applications that can use both SS7 and IMS based protocols such as CAP, MAP, SIP, Diameter or even HTML5 WebRTC Applications.

With its Carrier Grade Performance and High Availability Features, TelScale JAIN-SLEE is the Telecom Application Server of choice for creating and deploying new innovative services bridging the legacy and IMS worlds through an extensive set of Connectors and Enablers allowing to make use of existing legacy SS7 infrastructure as well as addressing today’s all-IP IMS Architecture thus improving the time to market and reduced TCO over existing proprietary solutions to maximize your ARPU.

KEY FEATURES & BENEFITS

OPEN SOURCE & OPEN STANDARDS
The Software is Open Source, giving you the freedom to understand the code and customize it to your enterprise needs. TelScale JAIN-SLEE Servlets is the first and only Open Source Platform certified for JAIN-SLEE 1.1 compliance freeing you from vendor lock-in.

CLOUD COMMUNICATIONS
TelScale JAIN-SLEE facilitate the shift towards Cloud Communication by enabling deployment and auto scaling of real-time JAIN-SLEE applications across all major IaaS (Infrastructure as a Service) providers.

CARRIER GRADE PERFORMANCE
TelScale JAIN-SLEE is built on top of an architecture that delivers high performance, low latency, and high availability allowing to reduce the TCO over existing proprietary solutions.

CLUSTERING & HIGH AVAILABILITY
TelScale supports the clustering of JAIN-SLEE Services for increased performance, reliability and failover purposes. Clustering allows continuous service availability without impacting user experience.

SERVICE COMPOSITION
TelScale JAIN-SLEE allows you to create new services by composing together multiple independent services through a powerful Application Routing mechanism independent from the Service Code that can intercept the signaling and interact through it by calling services independently.

EXTENSIVE SET OF SS7 AND IP CONNECTORS - ENABLERS
TelScale JAIN-SLEE provides an extensive set of Connectors – SS7 MAP, CAP, INAP, TCAP, ISUP, Diameter Base, CCA, Cx/Dx, Gq, Gx, Rf, Ro, Rx, S6a, Sh Client/Server, HTTP Servlet, HTTP Client, JDBC, MGCP, SIP, SMPP, XCAP Client, XMPP - and Easy To Use Enablers - HSS Client, SIP Publication Client, SIP Subscription Client, REST Client, XDM Client - to create new innovative services and keep the edge in a fast moving world.

ENTERPRISE MONITORING & MANAGEMENT
TelScale JAIN-SLEE allow the management and monitoring of metrics related to the Server and its deployed services through the Telecoms industry standard SNMP (Simple Network Management Protocol), through the Java Standard JMX (Java Management...
DISTRIBUTED LOAD BALANCING & TRANSPARENT FAILOVER
TelScale JAIN-SLEE allow you to use Convergent Load Balancers or IP Load Balancers in a cluster configuration to increase the performance and availability of Telecom Services. Load Balancing allows the traffic to be balanced across a pool of available Servers thereby increasing the overall throughput and reliability of the application.

DoS ATTACK PREVENTION
TelScale JAIN-SLEE provide Congestion Control mechanisms allowing the server to be protected against malicious attacks. Security can also be enabled to mitigate the risk of unauthorized access to sensitive information.

TECHNICAL SPECIFICATIONS
TelScale JAIN-SLEE is a highly scalable event-driven application server with a robust component model and fault tolerant execution environment that runs on JBoss Application Server or JBoss Enterprise Application. TelScale JAIN-SLEE is full Java and will run on the same hardware and OS the Application Server runs on. You must have a working installation of JDK 6 or higher.
LICENSING & SERVICES

To learn more about licensing options and professional services offered please send an email to sales@telestax.com.

About TeleStax

TeleStax enables Telecommunication Service Providers and Enterprises to create scalable communication applications based on Open Source and Open Standards. TeleStax provides Open Source Communications software and services that facilitate the shift from legacy SS7 based IN networks to IP based LTE and IMS networks hosted on private (on-premise), hybrid or public clouds. TeleStax products include JSLEE, SS7 Resource Adaptors, SIP Servlets, Rich Multimedia Services, Presence Services/RCS, Diameter/AAA Services, XMPP Services, REST, WebRTC and others.

About TelScale™

TelScale Enterprise Edition: TelScale™ is built upon the open source core platform and a suite of additional management products, high availability and fault tolerance features that allow Enterprises and Service Providers to implement the most reliable, scalable and high performing cloud communications solutions available.