SALSA® Enterprise edition
Full control and visibility of application performance

The Autonomic Networking System™ (ANS™) is at the heart of Ipanema's ability to connect application performance to the enterprise's business goals. Self-learning, self-adapting and self-healing, ANS offers tightly coupled features that together bring a unique level of intelligence to the enterprise network, including:

Application Visibility, providing full understanding of application usage and performance over the global network - from the smallest detail up to high-level KPIs to manage application SLAs and capacity planning;

QoS & Control, dynamically adjusting traffic control and network resources according to users' activity and application performance objectives, enforcing critical application SLAs in the most complex and challenging traffic situations, while guaranteeing the best possible usage of the infrastructure;

WAN Optimization, accelerating application response time, optimizing chatty protocols and providing additional virtual bandwidth by substantially reducing the volume of data transmitted across the network;

Dynamic WAN Selection, selecting the best route for application flows in multi-networked branch offices according to the application performance objectives of each user flow and the real-time performance characteristics of each available path.

Ipanema's ANS uses both software and hardware components that collaborate in real time. The central management software component is called the Scalable Application-Level Service Architecture (**SALSA**).
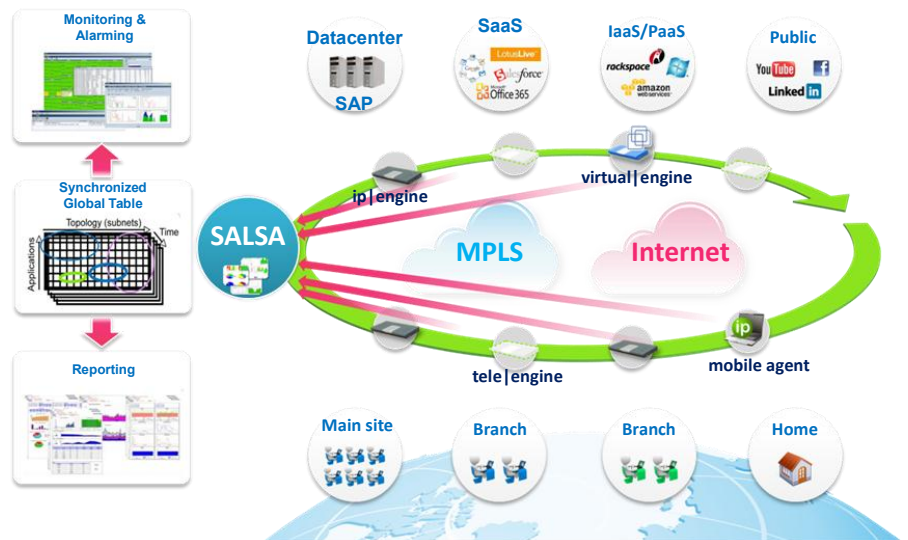
ANS's four main functions: Application Visibility, QoS & Control, WAN Optimization and Dynamic WAN Selection are driven by software agents running on hardware appliances (ip|engines®), virtual appliances (virtual|engines) and mobile agents (Ipanema Mobile Agent - IMA™).

SALSA automatically manages all ANS components, providing a central and unified management interface to obtain the full visibility and control of application performance over the global enterprise network.

SALSA Enterprise edition provides:

- Provisioning of global application performance objectives
- Activation of ANS features across the global enterprise network
- Management of ANS components (inventory, software upgrades, etc.)
- Real-time view of traffic for trouble-shooting applications and network
- Flexible reporting of application usage and performance
- High level KPIs (AQS, MOS) that support application SLAs
- Event generation and interfaces to third-party systems
- Optional integration capabilities with the enterprise IT environment

ipanema
Technologies

SALSA Enterprise consists of two primary software modules:

- **ip|boss** is used to configure and supervise ANS components. It also collects application visibility data from the ANS agents and provides real-time helpdesk, application performance monitoring and alarming functions.

- **ip|reporter** provides an information base and an advanced reporting engine. It is capable of delivering numerous reports on application usage and performance according to multiple criteria, such as by application type, network site or region and/or time. Reports are automatically deployed through wizards.

An optional module, **ip|export**, provides performance and usage measurement data to various third-party systems like OSS/BSS infrastructure and familiar analysis software suites such as Microsoft Excel.

SALSA Enterprise's modular architecture allows handling small and medium-size deployments on a single server as well as very large networks on a more distributed architecture. Scalability is ensured at all levels (servers, portals, storage, etc.).

ANS guarantees application performance using objectives that are globally defined in SALSA and communicated to all agents. These agents form a distributed and autonomic system that constantly evolves to enforce and even exceed application performance objectives.

SALSA periodically collects usage and performance information from ANS agents. This information is consolidated into a synchronous multi-dimensional table that contains details such as application identity, volume, source, destination and quality.

The information is delivered to real-time monitoring, network troubleshooting and alarming tools. Historical views of applications, sites, etc. can be produced for any time period – from minutes to years. Custom reports can focus on specific areas of the network, from a global network view down to any application on a specific site, providing a flexible and complete visibility on applications behavior over the entire network.

SALSA-Enterprise operates through a simple Web interface. An iPhone application is available for anywhere anytime access to business application performance.

SALSA-Enterprise edition	
Operating systems	Windows 2008 or Solaris 10 (Linux by end 2011)
Virtualization	VMware support
Number of enterprises	1
Number of domains	Up to 8
Number of managed sites	10,000 sites and more according to configuration
Real-time granularity	10 seconds
Historical reporting polling period	1, 5 or 15 minutes
Number of simultaneous reports	100,000 reports and more according to configuration
Type of reports	Performance, availability, capacity planning, SLAs, …
Technical metrics	Volume, delay, loss, jitter, response time, accel. factor, etc.
Composite KPIs for SLAs	AQS (Application Quality Score) and MOS
Reports consolidation criteria	Any combinations of applications, criticality, sites, etc.
Reports time span (default)	Hour, Day, Week, Month, Year
Events generation (traps, emails)	Flexible combinations of thresholds on any KPIs (AQS, MOS) and any technical metrics – Faults, …
Portal	HTTP, HTTPS
IT Integration	Standalone or integration with SSO, LDAP, RADIUS…
Northbound interface	CLI, GWT, REST
High availability	Support HA solutions: VMotion, MSCS, SunCluster, etc.

www.ipanematech.com

ipanema Technologies