

Service Delivery Platform ACONYX CAS™

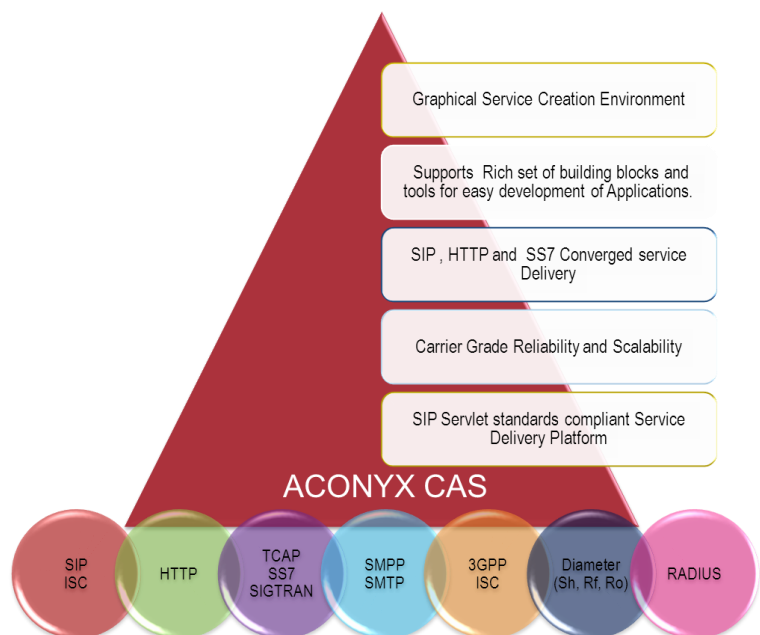
Over the past decade, networks have evolved from legacy TDM to IP and IMS. Similarly with wireless, 2/3G networks have evolved to 4G and LTE. The bandwidth is increasing, carrying more data and video traffic, catering to the needs of a new generation of IP, video, and mobile smart phone subscribers. This has changed the focus of the core network. Instead of having silos of applications, service providers are focusing on building applications conforming to various open standard specifications and more so, they are changing the strategy to now invest in Application Server architecture, which can host multiple applications on a single cluster at a central location. AGNITY's ACONYX CAS (Communications Applications Server) is perfectly designed to meet the market need.

ACONYX CAS™

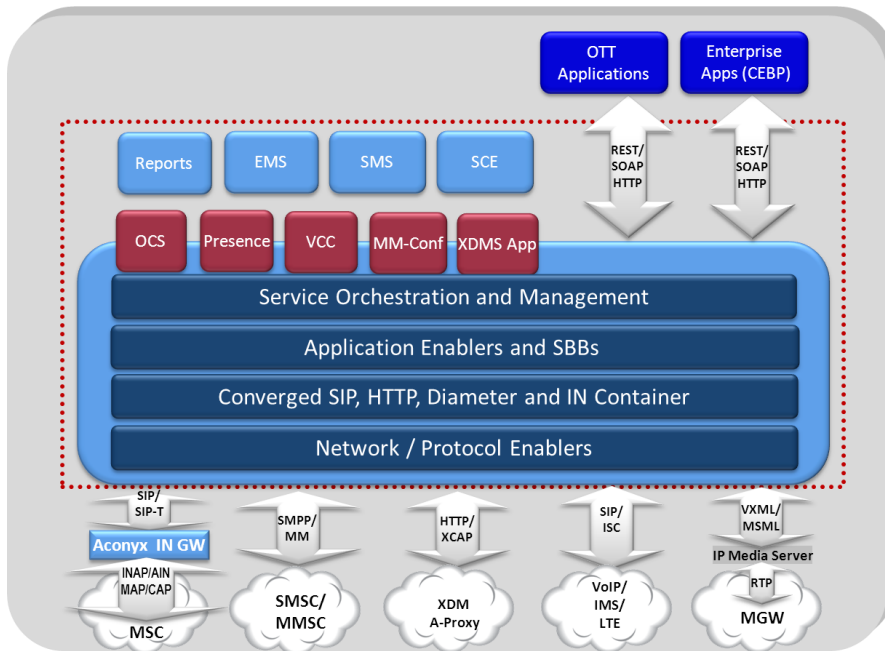
- JSR 289 Compliant Application Server
- Packaged with SCE and IDE
- Carrier Grade, Scalable and Geo-redundant configurations
- Solaris and Linux OS, virtualization ready
- Complies with IMS ISC 3gpp 24.229 v11
- IMS Centralized services and Voice Call Continuity / SCCS support, as per 23.002 and 23.292
- SMPP connectivity to SMSC as well as SMS over IP network: as per 3gpp 24.341
- MMTel support, per 24.173 & related specs
- Key enablers for RCS, supported as SBBs – Presence, XDMS, NAB, Converged IM Server
- Comprehensive Applications– Multimedia conferencing, OCS, Presence exposure, MM Ringback Tones, Converged Voice, Video, Text apps etc..

ACONYX CAS is a JSR-289 compliant carrier grade App Server, built ground up, supporting many network protocol interfaces (SS7, IP, IMS and LTE), enabling the carriers to migrate their legacy apps to the NGN environment.

ACONYX CAS supports a broad range of in-network applications (NGIN, Prepaid, Conferencing and Unified Messaging). Accompanying ACONYX SCE, Service Creation Environment, allows the carriers to create and/or enhance the existing applications in a graphical environment and deploy on top on CAS. In addition to In-Network applications, it also offers a SDK API set, compliant to WAC 3.0, for the external applications (OTT and CEBP) to access and utilize the CAS infrastructure. ACONYX CAS runs on both Linux and Solaris, Virtualization environment and is ready for supporting the in-network applications in Cloud/SaaS.



Reduce time to market, cost of service development and migration path through a flexible service delivery platform



Solution Deployment Architecture

CAS: Communication Application Server, the development and delivery platform for converged services

EMS: Element Management System to monitor and manage the CAS

SMS: Service Management System to provision services on the CAS

SCE: Service Creation Environment to create/enhance services through a GUI

OTT: Over-the-top IP applications

ACONYX IN GW: Gateway to provide connectivity to IN networks

ACONYX CAS Platform features

- Fault Tolerance.** The FT setup includes an active and a standby CAS instance. The active instance receives call traffic and replicates its state information to the standby. In case the active instance fails, the standby resumes the role of the active instance and starts processing existing and new calls. When the previous active instance comes up, it takes over the role of the standby. The FT model ensures stability of calls and preserves billing data.
- Priority Traffic Handling.** CAS provides authorized users a resource priority handling feature in the IP network infrastructure to support—such as NS/EP communications. When this feature is enabled, the SAS server gives priority treatment to calls with high probability of completion during extreme network congestion.
- Overload Management.** Overload conditions occur when multiple resources get overused. When the load exceeds the administrator-defined overload factor, incoming requests are returned with the 503 Service Not Available response along with a Retry-After header. In-dialog SIP requests and its responses are processed without affecting the established calls.
- Outbound Gateway Control.** CAS can be configured for routing outgoing SIP calls to multiple outbound gateways. The outbound gateway control feature monitors the state of gateways using heartbeat mechanism and routes calls only to gateways that are in the alive state. An alarm is raised when a registered gateway goes down, and again when it revives.
- ISC Compliance.** CAS is compliant with the IMS Service Control (ISC) standards as published by 3rd Generation Partnership Project (3GPP) in its specifications 24.229 version 7.2.0. CAS uses the ISC interface to send and receive SIP messages to and from Serving-Call Session Control Function (S-CSCF) in an IP Multimedia Subsystem (IMS) deployment. The 3GPP specifications require new SIP headers and methods to be supported by IMS nodes with the ISC interface.

About AGNITY, Inc.

AGNITY is a global applications solutions and technology services company with the deep knowledge and proven experience required to help businesses, network equipment manufacturers and service providers design, develop and deploy application solutions rapidly and cost-effectively. Founded by industry veterans, AGNITY is a team of trusted advisors to communications service providers and enterprises with best-in-breed strategies and solutions as well as proven R&D skills to help lead our clients' solutions and product development. AGNITY is headquartered in Fremont, California, with development centers in Noida, India, Kitchener, Ontario, and Richardson, Texas. For more information, visit www.agnity.com.



AGNITY, Inc. Headquarters
 42808 Christy Street Suite 201
 Fremont CA 94538 USA
 Tel: +1-510-270-2669
 Fax: +1-510-353-1302
 Email: info@agnity.com
www.agnity.com