



Transparent Exchange

Ignite™ Application Session Controller (ASC)

The AppTrigger Ignite™ ASC's flexibility and innovation is powered by its TransparentExchange™ technology. TransparentExchange™ brings together a unique set of capabilities that allow complex call control and protocol interworking to take place in a dynamic, real time environment. By leveraging this technology, the AppTrigger Ignite™ ASC is able to offer cost efficient, highly scalable solutions that are guaranteed to keep pace with today's evolving networks. Within TransparentExchange™, the Ignite™ ASC is comprised of three key engines that simultaneously work in concert to deliver on the promise of solving today's multiple application domain challenges.

1. The Ignite™ ASC Protocol Engine –The ASC protocol engine can do “any to any” protocol interworking and signaling across wireline, wireless and NGN/IMS networks which enables the service provider to achieve true convergence across multi-switch, multi-protocol networks. Today, the ASC supports the Trillium protocol stacks and based on how it was architected allows seamless addition of new and evolving protocols as networks change. [

- *Example Problem:* Ericsson application server can have difficulty integrating with the Sonus control network. These companies have competing products, agendas and technology expertise, therefore each company is unwilling to work together to provide their common customer a complete solution.
- *Solution:* The ASC can sit between these products to provide the interworking for the customer, requiring no change to either the application or the control layer.

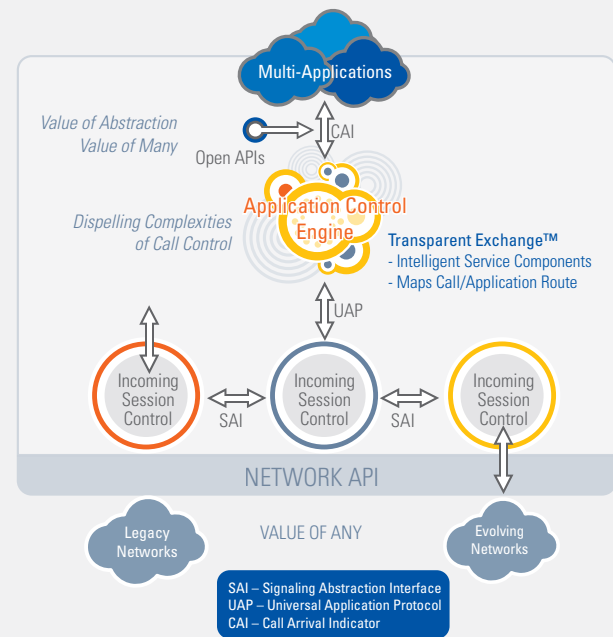
2. The Ignite™ ASC Routing Engine –The ASC routing engine provides an intelligent and programmable/customizable call/session routing function which enables the service provider to intelligently route and ultimately optimize between multiple application platforms and network resources. Today the ASC routing engine is enabling with voice mail migration at O2 and routes between multiple geographically dispersed application resources at Orange France.

- *Example Problem:* Example Problem: O2 is migrating to a NGN VMS, and needs a smooth way to transition subscribers from the legacy VMS to the NGN.
- *Solution:* The ASC sits between the applications and the underlying network to provide call routing direction enabling the network to properly handle the call by connecting to the correct VMS.

3. The ASC Call State Machine - The ASC has a robust call/session control state machine built directly into the solution. This enables the service provider to no longer need to rely on the unpredictable capabilities of disparate core switching networks or each independent application to drive the behavior of the application. The benefit is that the service provider does not need to upgrade entire switching solutions to support the roll-out of new applications.

- *Example Problem:* Sprint has Mobile Switching Centers (MSCs) deployed in their network with an old version of WIN that does not support presence / location services.
- *Solution:* The ASC can supplement the capability of the core switching network by offering extensions to their existing WIN support. These extensions can simulate the advanced triggers required to provide the presence / location services freeing-up the service provider to not have to update all their MSCs in the network.

ASC – TransparentExchange™ Innovation At Work



The ASC Solution

The Application Session Controller is a network element that sits between the application layer and the core network to provide and manage connectivity to the evolving network for multiple applications. It is a purpose built, highly scalable, carrier grade network platform that enables legacy, intelligent network (IN), IP and next generation IMS applications to be immune from the ever evolving network.