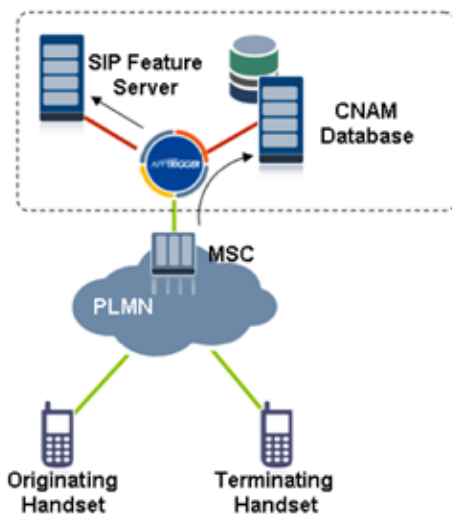


## Enabling Calling Name Info for a SIP Feature Server

**Problem:** Next generation networks that are deployed using SIP need a simple way to access SS7 databases in order to offer comparable services to the incumbent fixed and wireless network operators. Incoming calls from a PSTN switch to the VoIP network will deliver Caller ID information in the SS7 ISUP messages, but a query to a CNAM database is required to find the caller's name.

**Fix:** AppTrigger's Ignite™ platform provides the querying of a CNAM database and supply the Calling Name to a SIP Feature Server. Specifically, the Ignite™ platform receives an ISUP call, makes the Calling Name (CNAM) Query, and forwards the call to the SIP Feature Server. The Calling Name information retrieved from the SCP is encoded in the SIP URL by default, but the mapping into SIP can be customized via AppTrigger's powerful scripting language.



This SIP to TCAP Service Broker gateway application allows SIP entities to access the database hosted in a traditional SS7 network. This could be a nationwide hosted database or an SCP in a specific carrier's network. Service requests originate from a SIP proxy server, softswitch/call agent, or any SIP user agent within the VoIP network domain with proper authorization.

Similar call flows can be created for other number translation services such as LNP, VPN, and other short dialing codes for directory or information services

The solution described is relatively simple call redirect or location requests with straightforward mappings from SIP to TCAP. The Service Broker also supports more complex IN services which often require user interaction such as playing audio announcements, collecting DTMF digits, or requesting speech input that require the initiating or subsequent actions, such as routing to a call center agent.

**The Service Broker Solution:** The Service Broker 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.

The AppTrigger Ignite™ Service Broker's flexibility and innovation is powered by the 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 Service Broker is able to offer cost efficient, highly scalable solutions that are guaranteed to keep pace with today's evolving networks. The AppTrigger Ignite Service Broker enables application re-use and feature transparency for Service Providers as they attempt to harvest legacy services and introduce new ones.

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### More Service Broker Solutions

- Enabling Message Waiting Indicator for IP Voice Mail
- Re Purposing IN Services for Converged Networks
- Legacy Voice Mail Subscriber Migration
- Enabling SIP Application Access from the PSTN
- Abandoned Calls and Preserving Media Server Ports
- Enabling Highly Scalable Web Services
- Preserving Media Server Investments through Media Resource Broker Functionality
- Porting Mobile IN services to NGN/IMS