

Use Cases:

⇒ **Traffix Diameter Gateway, Diameter to RADIUS, EU Operator**

EU operator wanted to launch NGN services using its existing legacy infrastructure. Using Traffix Diameter Gateway, the operator was able to connect NGN Application Server that uses the Diameter based Rf and Ro interfaces to the existing legacy charging systems which is based on RADIUS protocol.

The successful deployment reduced the time and cost associated with the service launch and enabled the operator to bridge its legacy network infrastructure with new NGN service functionality. Other alternatives evaluated suggested adding RADIUS support to NGN Application Server or upgrading the legacy database to support Diameter. Both alternatives were determined to be of high price and long implementation timelines as well as imply future limitation on scalability and manageability.

⇒ **Traffix Diameter Gateway, HTTP/LDAP to Diameter, APAC Operator**

Tier-1 APAC operator wanted to deploy content based billing service using its GGSN's. Using Traffix Diameter Gateway, the operator was able to connect the GGSN component that uses the LDAP and HTTP protocols to Diameter based Online Charging Systems (OCS).

The successful deployment reduced time and cost and enabled the operator to launch content based billing services and reduce the time to revenues. An option of adding LDAP and HTTP interfaces to the charging system was evaluated. The alternative was found to be of extensive testing period that would cause considerable delays in deploying content based billing.

Traffix Diameter Gateway, Diameter to Diameter, EU Operator

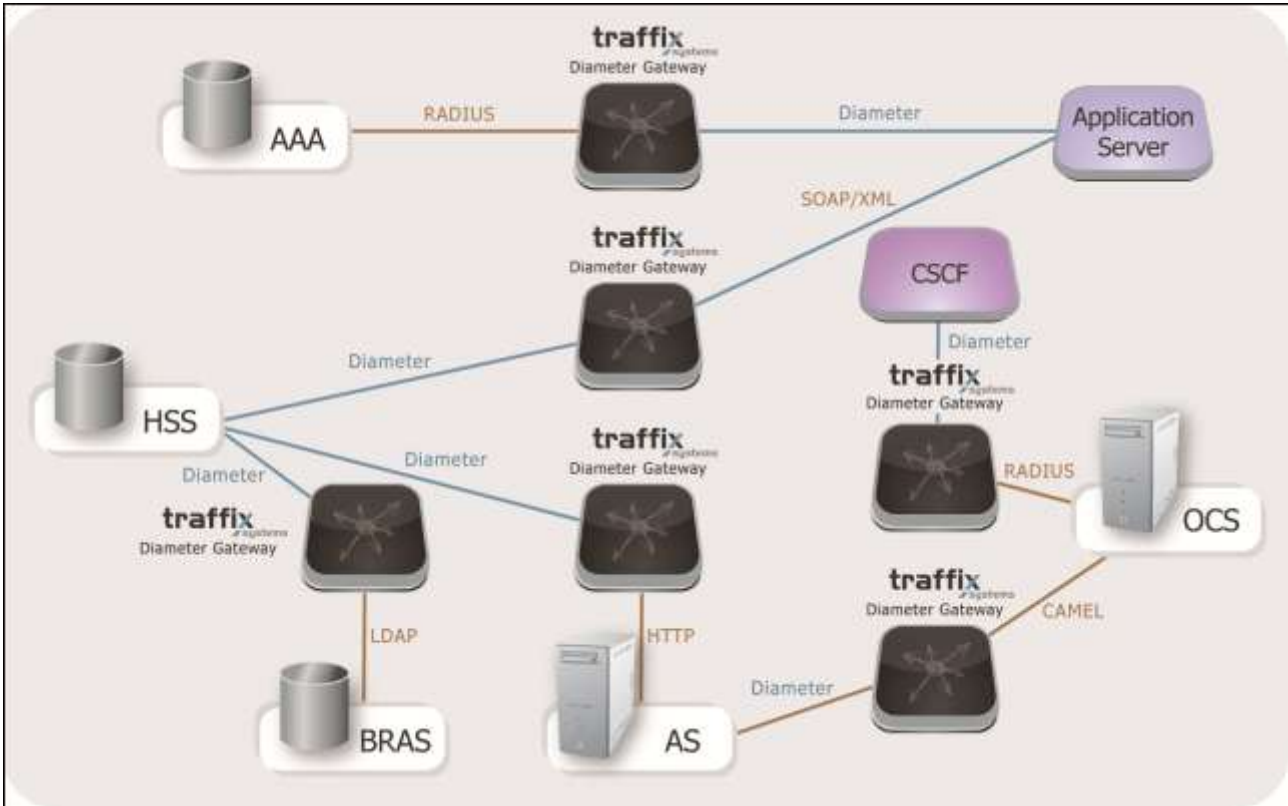
EU operator wanted to connect IMS components from different vendors that support different variants of Diameter for charging. Using the Diameter Gateway, the operator connected the network components. Furthermore, it enabled load balancing and masquerading at the Diameter level for easier network management, configuration and better security.



Traffic Diameter Gateway, Diameter to CORBA and CAMEL, APAC Operator

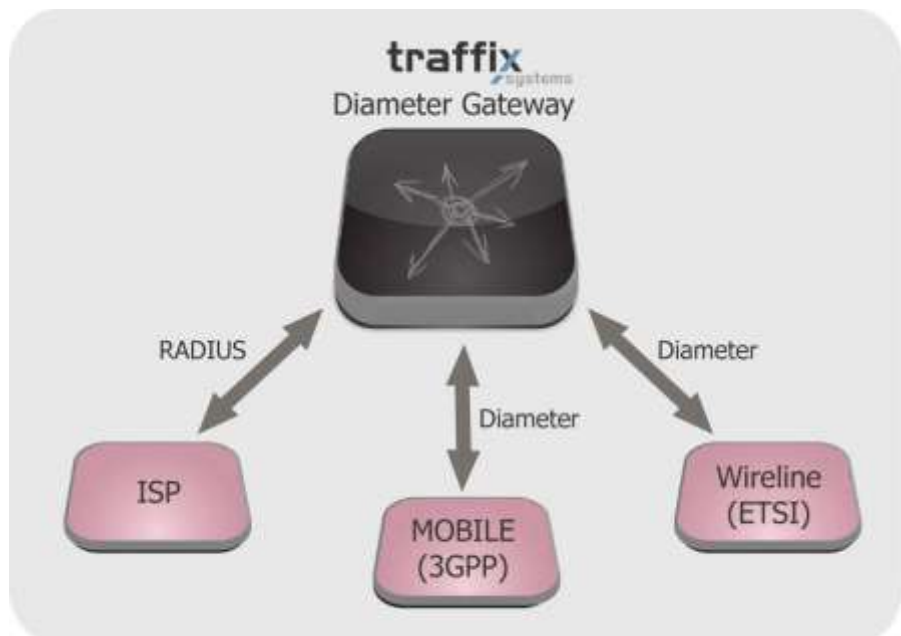
An APAC operator used Traffic Diameter Gateway to connect legacy Databases and its charging systems to a new Diameter based network functionality.

Other alternatives for Traffic Diameter Gateway like modification of components were found impractical.



Traffic Diameter Gateway, Diameter (Mobile network) to RADIUS (ISP), EU Operator

Leading EU operator wanted to connect AAA systems across its Mobile and ISP networks, to unify subscriber management and enable cross technology and domain servicing. Using the Traffic Diameter Gateway, Traffic helped the operator connect the Mobile network Diameter based interfaces to the ISP network infrastructure that uses the RADIUS protocol, providing converged AAA connectivity.



Some other Traffix Diameter Gateway deployment scenarios:

- ⇒ Diameter TCP to Diameter SCTP
- ⇒ 3GPP Standard Diameter interfaces to vendor specific interfaces like Ericsson SCAP
- ⇒ Diameter CMS application - end to end Diameter encryption and validation
- ⇒ WiMax ASN R3 interface based on RADIUS to Mobile network Diameter interface
- ⇒ Diameter interfaces based on 3GPP (mobile) to Diameter interfaces based on ETSI (wireline)
- ⇒ BRAS RADIUS connectivity to AAA servers with Diameter based interfaces
- ⇒ Routers using COPS to Diameter based charging and policy functionalities
- ⇒ GGSN's using GTP' protocol to charging systems using Diameter based interface

About Traffix Systems

Traffix Systems is the Diameter control plane expert. Traffix supports telecom operators on their way to Next Generation Network (NGN, IMS or LTE) technology by providing cost saving Diameter solutions such as Diameter gateways and load-balancing solutions for the Diameter control plane achieving network connectivity and scalability and thus enabling the opportunities to generate new service revenues based on the Diameter control plane innovation.

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