Case study: A value added framework component for network elements

Client

A UK based ISV

Industry Sector

IT Software

Business Challenge

A major UK based ISV, offering solutions to telecom service providers, required a component that would act as a common platform to execute commands on network elements utilizing a framework. The ISV planned to offer this as a value-addition that would form a part of the overall solution offering. Typically, provisioning applications running on various technologies would use this component.

The component needed to be highly configurable to aid applications to get their commands executed on diverse platforms and provide for the layer to be available for any network provider. Easy management of this component was a high-priority requirement from the ISV.

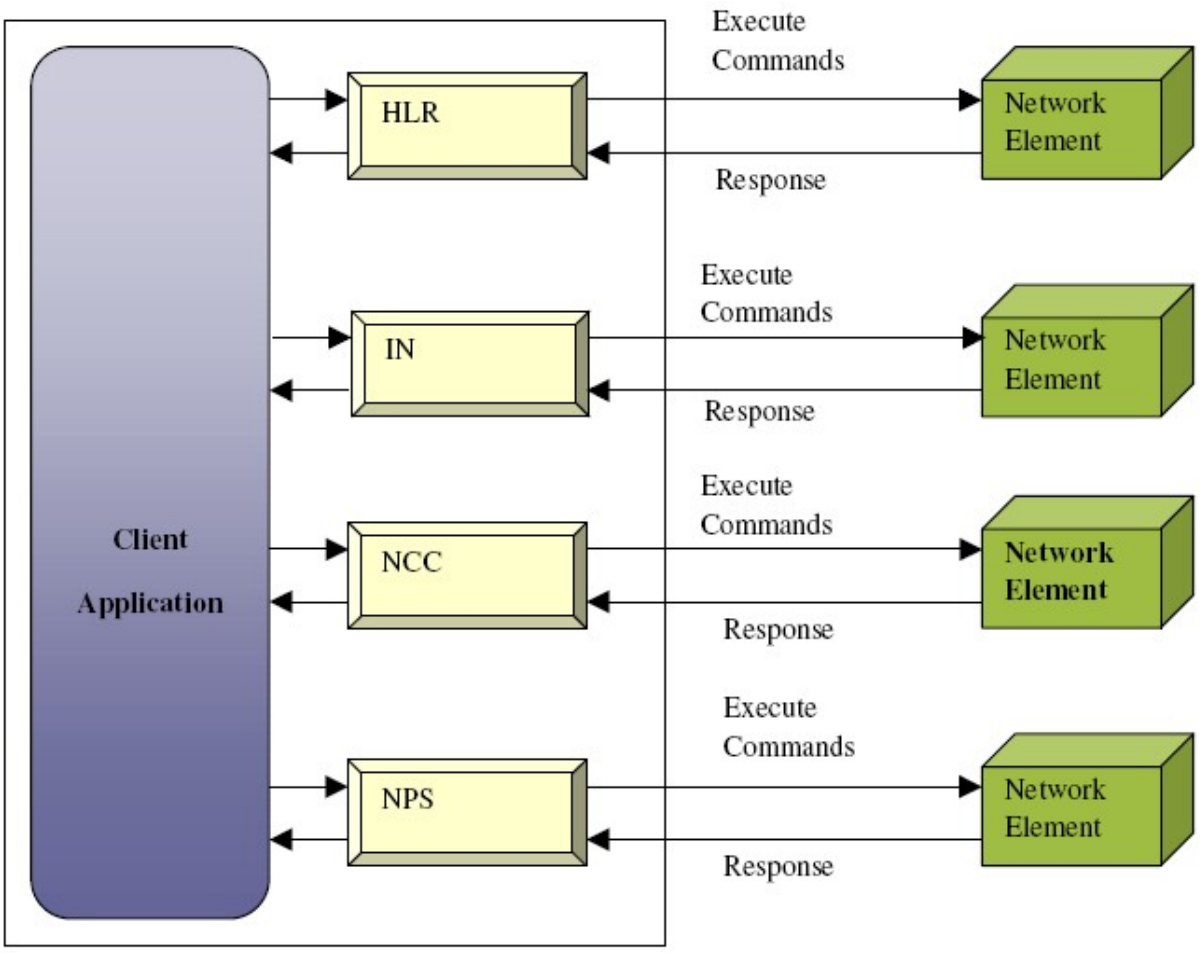
Description

The Strategy: Torry Harris provided the client with an offshore product development (OPD) team consisting of certified professionals on the product, who designed, developed and maintained the product with high efficiency.

The OPD team, as per the ISV's requirements, proposed an open-system platform technique, enabling the use of high configurability. The component consisted of configuration files specifying network elements, location of the command files as well as execution related data.

All functional and performance tests were fully automated from the execution to the validation of the expected results. Professional technical writers from the OPD team documented the component in detail, thereby enabling knowledge retention. Strict security measures, in compliance with ISO 27001 were adhered to during the development and delivery processes.

The Outcome: A highly efficient component utilizing the framework was delivered to the ISV, in accordance with SEI CMM Level 5 standards, complete with a README file containing a complete description of the component, the performance figures measured, a third party list that detailed any dependency on any 3rd Party product, an ISSUES list consisting of issues fixed (an ID of the bug report, if any), evolutions (an ID of the bug report if any,) and known issues.


Client
Application
HLR
IN
NCC
NPS
Execute
Commands
Response
Execute
Commands
Response
Execute
Commands
Response
Execute
Commands
Response
Network
Element
Network
Element
Network
Element
Network
Element