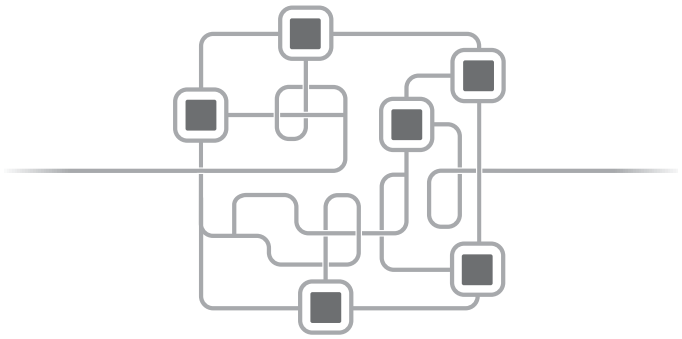
OpenCloud Rhino OpenSCP™

Transform your service layer with **OpenCloud Rhino OpenSCP™**

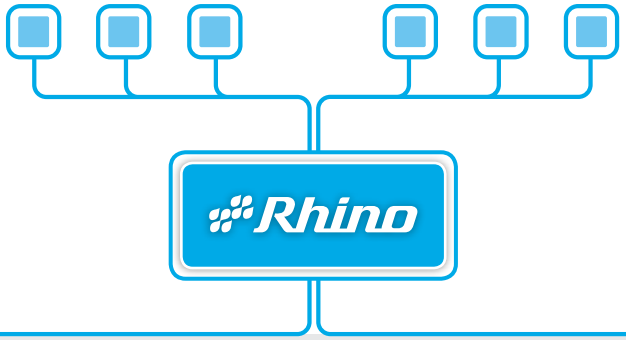


Traditional Service Control Points (SCP), commonly referred to as the Intelligent Network (IN) platform, are high cost, vertically integrated systems. They are simple, static 'one size fits all' solutions which were not built to meet the dynamic nature of today's market.

Although they provide a very robust and reliable platform, today's closed and proprietary SCPs stifle service innovation. New services have to be produced by the SCP vendor, with consequent high costs and long lead times.

OpenCloud Rhino OpenSCP™ changes all this. OpenCloud enables service agility in the telecoms network through an open, flexible platform that utilises commodity server hardware. Rhino OpenSCP™ is a modern 'IT' system designed explicitly for the telecoms network.

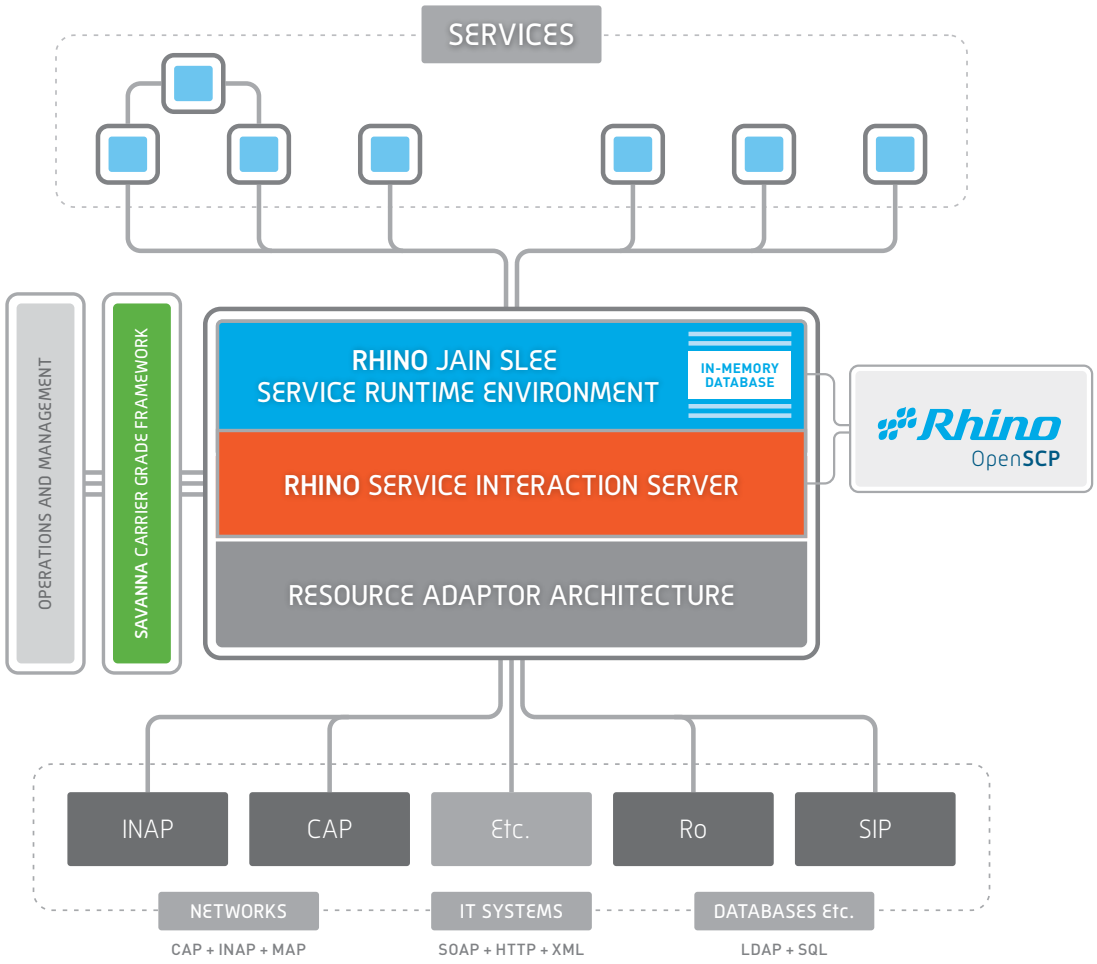
The platform unlocks the value of the telecom service layer using modern software systems architectures, designed to meet the exacting 'five nines' availability requirements of the telecoms network.



Flexibility at a significantly lower price-point, in an open environment.

OpenCloud

OpenCloud's Rhino is a real-time application server for agile development, deployment and efficient management of person-to-person telecommunication services. It can be used to develop and deploy carrier-grade applications that use SS7 and IMS based protocols such as INAP, CAP and SIP as well as IT/Web protocols such as HTTP and XML.



BENEFITS

SERVICE AGILITY

Create and deliver innovative, 'smart' next generation services on Rhino OpenSCP whilst retaining existing SCPs for current services during migration. These new, targeted services can be delivered to customers in days rather than months giving CSPs a competitive edge, encouraging customer loyalty and increasing ARPU.

SIGNIFICANTLY LOWER PRICE-POINTS

Rhino OpenSCP utilises commercial-off-the-shelf (COTS) commodity hardware and software. Coupled with an environment where new services can be developed at a radically lower price-point, or sourced from an open marketplace of application providers and taken to market faster, significantly reduces OPEX.

OPEN STANDARDS ELIMINATE LEGACY SCP LOCK-IN

Regain control of your roadmap. Open systems and architectures promote competition, result in lower prices and encourage innovation. New and variant services can be procured from an open and competitive market of product and custom-build application providers.

MAXIMISE VALUE OF EXISTING INFRASTRUCTURE

An open, scalable platform that integrates with proprietary infrastructures to maximise existing investments. As a first low-cost step, Rhino can be deployed to augment existing SCP assets. Rhino OpenSCP can co-exist with existing SCPs as a separate innovation platform to evolve and create new applications. This strategy offers access to 'smart' next generation services whilst existing SCPs are switched off during migration.

OpenCloud

FEATURES

CARRIER-GRADE

The foundation stone of Rhino OpenSCP is OpenCloud's Rhino Application Server, which utilises commodity, standard IT server hardware but has all the carrier-grade credentials expected from a traditional SCP:

- 'Five-nines' availability featuring on-line upgrades of the platform and services.
- No single point of failure.
- Clustering for scalability and availability and hot-fail-over of in-flight calls and sessions on node failure with Single Image management of the cluster.
- Capacity can be added as required, transparently joining the cluster to deliver the services.

SERVICE COMPOSITION AND INTERACTION

Service/Feature Interaction and Service Broking capabilities, provided by the OpenCloud Rhino Service Interaction Server (SIS), allow operators to create and charge for new composite services. Rhino SIS, a powerful, flexible, and extendable, GUI and script-driven service-interaction platform provides this function for both SS7 and IMS networks. The platform makes it commercially viable to innovate in TDM IN services with new variants of existing IN services or combinations of IN and SIP based services.

OPEN SERVICE CREATION ENVIRONMENT

CSPs can differentiate and customise the service offering to specific customer segments either by buying products or commissioning them from multiple vendors in a competitive supplier market. Targeted services can be designed, implemented and trialled in days rather than months resulting in a lower OPEX.

A full range of Person-to-Person Services are included in Rhino OpenSCP

Included are a range of classic IN and SIP services such as Personal Call Routing, Number Translation, Calling Circles, Call Waiting, Home Zone, Call Forwarding, Find me- Follow-me, Who Called, Free Phone, Premium Numbers and Virtual Private Network.

SUPPORT FOR OPEN STANDARDS

OpenSCP complies with the Java open standard for telecommunication application servers–JAIN SLEE v1.1. This gives access to an eco-system of suppliers developing person-to-person applications, to rapidly deliver innovative new services to market, without the issue of proprietary protocols.

SUPPORTS SS7 AND SIP/IMS CONNECTIVITY

Unlike a traditional SCP, OpenSCP supports all SS7 protocols (including vendor variants) and all the IP/IMS protocols. Rhino OpenSCP™ comes with SIP, Ro, Rf, Sh (Diameter) connectivity 'out-of-the-box', ensuring that SCP investment addressing today's challenges is aligned with longer-term all-IP and 3GPP network strategy.

Open systems and architectures promote competition, result in lower prices and encourage innovation.

OpenCloud was formed in New Zealand in 2000 to create open standard software technology that would revolutionise the portability and interoperability of services in telecommunications specifically in the evolution to IP and 3G IMS. OpenCloud works with partners to deliver, integrate and support end-to-end solutions incorporating OpenCloud products to network operators and service providers worldwide. OpenCloud has offices in the United Kingdom, New Zealand, Madrid and Tokyo.

MORE INFORMATION

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