

Service Communication Proxy

Centralise HTTP/2 message routing within IMS and 5G SA core networks.

The Service Communication Proxy (SVI-SCP) sits at the centre of a 5G SA core signalling network, providing dynamic load balancing, throttling and multi-vendor onboard mediation.

Highly customisable throttling allows control of transactions per second, congestion management, and traffic limits. Sophisticated filtering enables deny/allow listing based on HTTP/2 Header and JSON content. Remove, create, and replace messages through powerful regular-expression-based manipulation of HTTP/2 Header and JSON content.

Features

- 5G network normalisation
- Load balancing
- Customisable throttling
- Session binding
- HTTP/2 dictionaries
- NFV-compliant
- Message filtering
- Redirects
- Centralised routing
- Message manipulation
- High availability
- Secure and scalable

To find out more:

Scan the QR code to contact one of our experts

Visit - www.squire-technologies.co.uk

Email - enquiries@squire-technologies.com



SVI-SCP



Streamline Routing and Manage High-Volume Traffic

The SVI-SCP provides scalable, seamless routing and comprehensive carrier-grade traffic management of 5G SA core networks.

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SVI-SCP Specifications

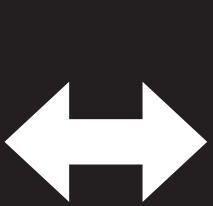
Scalability	Scale up to 100,000 Transactions Per Second (TPS) through simple license based upgrades.
Network	IPv4 IPv6
Transport Protocol	HTTP/2 TLS TCP IP L2
GSMA Guidelines	NG.113 FS 36 5G Security
Protocol Support	HTTP/2 DIAMETER RADIUS SS7 SIGTRAN HTTP SOAP REST XML SQL
SCP Interface Support	N32, N24, N12, N8, N31, N16, N28, N40, N41, N30, N7, N15, N36, N5, Rx (IMS), N23, N21, N20, N28, N40, N41
Diameter Interface Support	Sh, Sd, Sy, Dh, Rf, Ro, Re, Cx, Dx, Sp, Rx, Gx, Gy, Gz Gq, Gi, SGi, Zh, Dz, Zn, Zn', Dw, Wa, Wd, Wx, Wm, Wg, Pr, Wm, Gmb, Mz, Bi, MM10, Ty, Tx, S6a, S6b, S6d, S7c, S9, S13/S13', Gxa, Gxb, Gxc, SWa, SWd, SWn, SWm, SWx, Sta, H2, Gq', E2, E4, E5, Re, A4, Rr, Zh, Zn, Cx, Dx, Pkt-laes-2, P-CSCF- PAM , Pkt-mm-2, TC-6, TC-7, TC-8, TC-9, TC-10, TC-11, DB-0, DB-2, BI-1, LOC-1, Rw, Rs

5G General Specs
SCP Specs
SIGTRAN Support

3GPP TS 29.500v18.5.0 3GPP TS 29.501
3GPP TS 33.501 3GPP TS 29.573
RFC 4960 Stream Control Transmission Protocol
RFC 3331 Signaling System 7 (SS7) Message Transfer Part 2 (MTP2) -User Adaptation Layer (M2UA)
RFC 3332 Signaling System 7 (SS7) Message Transfer Part 3 (MTP3) – User Adaptation Layer (M3UA)
RFC 3868 Signaling Control Part User Adaptation Layer (SUA)
RFC 4165 Signalling System 7 (SS7) Message Transfer Part 2 (MTP2) User Peer-to-Peer Adaptation Layer (M2PA)
RFC 3057 ISDN Q.921-User Adaptation Layer (IUA)
Avg 80%

% CPU Usage

Trusted by Customers Worldwide

-  +150 Countries
-  +400 Telecom Operators
-  30bn Transactions per second
- 11tn Transactions per year

