Linux Voice Session Managers

BullTech

1. Adherence to Industry Standards	BT SBC 1000	BT SBC 5000	BT SBC 9000	BT VE SBC
SIP according to RFC 3261	✔	✔	✔	✔
SDP according to RFC 4566 (Updated)	✔	✔	✔	✔
RTP according to RFC 1889	✔	✔	✔	✔
DTMF according to RFC 2833 & 4733	✔	✔	✔	✔
2. Technical Features				
View Active Calls	✔	✔	✔	✔
Varying Packetization	✔	✔	✔	✔
Transrating	✔	✔	✔	✔
Transcoding	✔	✔	✔	✔
ACK and PRACK (100 rel)	✔	✔	✔	✔
IP Authentication & SIP Registration	✔	✔	✔	✔
Inbound and Outbound Load-Balancing	✔	✔	✔	✔
DNS SRV	✔	✔	✔	✔
Add Custom SIP Headers	✔	✔	✔	✔
SIP Header Manipulation	✔	✔	✔	✔
PAI, Diversion and Privacy Headers	✔	✔	✔	✔
Number Translation	✔	✔	✔	✔
E.164 and National Formatting	✔	✔	✔	✔
CDRs	✔	✔	✔	✔
Access Control Lists	✔	✔	✔	✔
Domain-based Routing	✔	✔	✔	✔
T.38 Fax support	✔	✔	✔	✔
Network IVR support	✔	✔	✔	✔
Centralised SBC Cluster Management	✔	✔	✔	✔
Class of Service Routing/Restrictions	✔	✔	✔	✔
OPUS Codec Support	✔	✔	✔	✔
RTP Timeout	✔	✔	✔	✔
Bypass Media/Direct Media Support	✔	✔	✔	✔
Priority Routing	✔	✔	✔	✔
Automated Failover Routing	✔	✔	✔	✔
Native Number Portability Lookup	✘	✔ (Requires Integration)	✔ (Requires Integration)	✔ (Requires Integration)
LCR Routing	✘	✔ (Requires Integration)	✔ (Requires Integration)	✔ (Requires Integration)
API Management	✘	✘	✔	✔
3. Hardware Features				
Appliance	✔	✔	✔	✘
Bare Metal Server Installation	✔	✔	✔	✘
Virtual Machine Deployment	✘	✘	✘	✔
Containerization	✘	✘	✘	✔
4. Networking & Security				
Multi-Interface Setup	✔	✔	✔	✔
Fibre NICs	✔	✔	✔	✔
NIC Bonding/Port Channeling	✔	✔	✔	✔
SpanDSP card/dedicated transcoding	✔	✔	✔	✔
SBC Security (Application Layer)	✔	✔	✔	✔
SNMP	✔	✔	✔	✔
Media Encryption	✔	✔	✔	✔
TLS Encryption	✔	✔	✔	✔
5. Performance & Scalability				
Maximum CPS	100 CPS	300 CPS	1000CPS	Resources, hypervisor and network dependant. 500 CPS average.
Maximum Call Concurrency per Instance	Up to 500 concurrent sessions	Up to 2500 concurrent sessions	Up to 10 000 concurrent sessions (clustered)	Up to 5000 concurrent sessions (clustered)
Scalability (clustering)	✔	✔	✔	✔
Performance Monitoring	✔	✔	✔	✔

*** **Terms and Conditions**

1. Some items listed require integration points to be scoped and defined and may not be available natively.

2. Sessions/Call Concurrency capabilities may vary depending on software transcoding requirements and codecs used.

3. All trunking services are natively served as SIP trunks, unless specific requirements are metioned upfront concerning other voice protocols.

4. The underlying architecture is built on a custom Linux kernel with CLI management. Portal management is not available on our peering SBCs due to the high session counts required. This application architecture provides us with optimal levels of call routing functionality and expert management.

5. The SBCs are proprietary and will be offered as a fully managed service by BullTech Group (Pty) Ltd. for the duration of the contract.