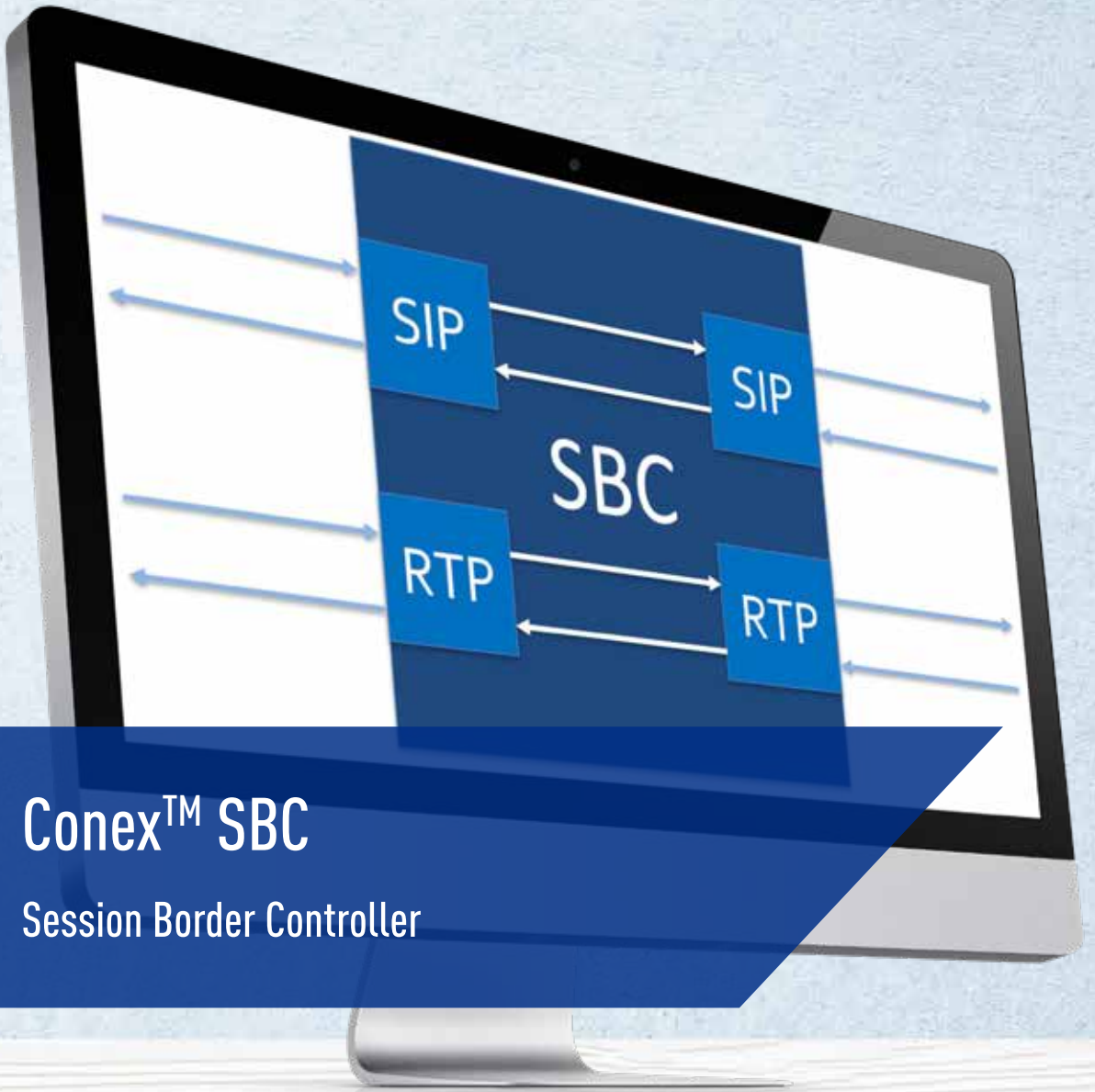# Voxtronic.
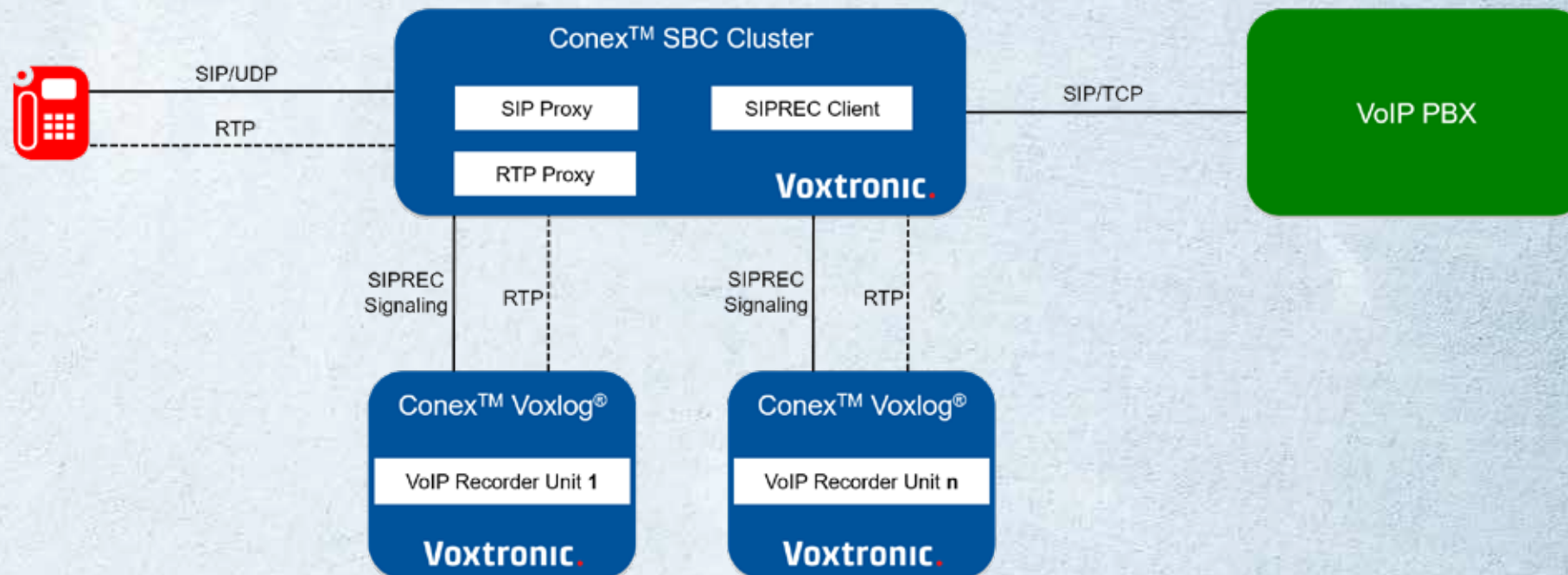

Conex™ SBC

Session Border Controller

Session Border Controller

Compared to conventional SBCs, Conex™ SBC offers you the implementation of individual requirements as well as central monitoring, management and software updates using Conex™ TCMS.

Interconnection for critical networks

Session Border Controller provides secure network separation and smart routing of high availability critical communication networks.

Security

Protection against Denial-of-Service attacks (DoS) and Distributed DoS (DDoS), protection against fraud and service theft. Media and signal encryption to ensure confidentiality and prevent identity theft.

Protocol interworking

Conex™ SBC enables interworking between different protocols and codecs. Normalization of SIP headers and SIP messages (Session Initiation Protocol) to reduce incompatibilities.

Quality of Service

Conex™ SBC enforces Call Admission Control (CAC) guidelines and Type of Service labeling (ToS).

Load balancing

Conex™ SBC forwards sessions over network interfaces to ensure high availability.

Recording

Recording of communications at the border to foreign networks that can be used in court.

Security.

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High availability

Conex™ SBC mit seinem Linux Betriebssystem kann in einem SBC Cluster auch Georedundant eingesetzt werden und leitet Sessions über Netzwerkschnittstellen weiter, um eine hohe Verfügbarkeit zu gewährleisten.

Conex™ SBC Cluster

High Availability IP Address

Conex™ SBC **1** / Linux / **Active**		Conex™ SBC **2** / Linux / **Passive**
IP Address 1		IP Address 2
SIP Proxy	Sync	SIP Proxy
RTP Proxy / Media Relay		RTP Proxy / Media Relay
SIPREC – Session Recording **Client**		SIPREC – Session Recording **Client**

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Cluster

Cluster solution for voice communication (telephony) and voice recording. Conex™ SBC can be implemented as a highly available cluster solution. The session border controller can always be reached by clients via the High Availability IP Address.

Failover

If the active SBC instance fails, the passive SBC instance takes over in real time.

Linux

A specially hardened Linux kernel in accordance with BSI requirements is used as the operating system. Suitable protective measures such as memory protection or file system protection are implemented in order to prevent weak points from being exploited and from spreading into operating system.

SIPREC interface

Calls can be routed to one or more recorders for recording via the standardized SIPREC interface. The number of recording units can be scaled as required.

Reliable.

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Smart Communication

About us

Voxtronic develops secure communication products and solutions for enterprises with high security requirements and organizations with critical infrastructure for public safety, public transport and industry by using the latest technologies.

Conex™ Platform

- Operator Position - Conex™ Dispatch
- Air Traffic Communication - Conex™ VCCS
- Documentation of Communication Processes - Conex™ Voxlog®
- Technical Control & Monitoring System - Conex™ TCMS
- Session Border Controller - Conex™ SBC
- Gateway - Conex™ Gateway
- Data Analysis - Conex™ Analytics
- Access Control & Time and Attendance - Conex™ Access

Join™ VLC

Join™ VLC is a analog- and ED-137-Gateway for integrating analog sources into a modern IP infrastructure.

Voxtronic Service

- Projects
- Development
- Installation
- Training
- Maintenance

Certificates

- ISO 9001
- ISO 14001
- ISO 27001
- DMR Association Member

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