



CONVERGEONE SECURITY ASSURANCE REVIEW (SAR)

Exposing and Mitigating Risks in SIP-Enabled Networks

Session Initiated Protocol (SIP) has led to tremendous enhancements in VoIP and unified communications (UC), providing added benefits in cost savings, cross-vendor interoperability, and feature functionality. With SIP-enabled solutions, more businesses can take advantage of productivity and collaboration enhancers including:

- > SIP/IP phones
- > SIP Carrier Trunking
- > Multi vendor SIP service integrations



- > PC-based softphones, video, and instant messaging (IM)
- > Data network-based UC, presence, and conferencing

However, there are risks associated with deploying SIP without proper security measures.

Let the experts at ConvergeOne help you identify and expose the risks, and assist you in developing a risk mitigation strategy using our best-of-breed professional services solution: the ConvergeOne Security Assurance Review (SAR).

What Are the Risks?

The bringing together of voice and data networks poses new security challenges for businesses. It is not enough to use traditional data security measures such as firewalls, virus protection, and user authentication. Today's converged communications network must support real-time voice traffic and quality of service while protecting more points of entry and guarding against potential threats such as:

- > Toll fraud
- > Identity theft
- > Voice mail theft
- > Network topology exposure
- > Remote worker vulnerabilities
- > Service hijacking
- > Eavesdropping
- > Denial of service attacks
- > Reconnaissance attacks
- > Intellectual property theft

What's the Solution?

The best defense is a good offense, starting with the ConvergeOne Security Assurance Review.

SAR is the solution designed and delivered by ConvergeOne's in-house team of highly skilled engineers, who have been successfully deploying SIP since the early adaptation of the technology. In addition, our ConvergeOne team is trained and certified through Avaya VIPER Lab — formerly Siper Systems, a leading industry research facility — in identifying threats and vulnerabilities, security principles, and threat assessment/testing methodologies and tools.

With services ranging from a basic security audit to comprehensive testing of your SIP infrastructure, ConvergeOne SAR gives you the peace of mind that comes with knowing you have identified



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potential risks and taken steps to prevent them from impacting your communications and your business.

As an added benefit, ConvergeOne SAR can also be an important element of ensuring compliance with government and industry requirements such as HIPAA, FERPA, PCI, DSS, GLBA, and other mandates.

A Choice of Services

ConvergeOne SAR offers a choice of services to meet your business and risk management needs:

SAR Lite includes an audit that compares “as-built” elements with best practices; the as-built elements include Avaya Session Manager, Avaya Communication Manager, and Session Border Controllers such as Sipera (Avaya), Ingate Systems, and Acme Packet. The output of the audit includes a written report with a summary of vulnerabilities/risks and remedies. As an option, the ConvergeOne team can also provide support to execute the recommended changes.

SAR Comprehensive provides the SAR Lite audit plus on-site penetration testing performed by a highly skilled ConvergeOne engineer using a specially designed set of software tools that will enable us to:

- > Test security architectures
- > Evaluate VoIP and UC equipment
- > Conduct vulnerability assessments in production networks

The ConvergeOne tools enable us to emulate thousands of malicious attacks from floods, distributed floods, and stealth to session anomalies and spam. Performing tests on four levels — from the IP phone up through the Session/System manager, Communications Manager, and Session Border Controllers — our expert engineers gather and analyze data, and work jointly with our customers to plan and execute “attack test” scenarios, and provide written recommendations to address any vulnerabilities/risks. As an option, ConvergeOne can also provide an annual review, reassessing based on any changes to your network, to ensure ongoing security.

For more information on the Security Assurance Review and the complete portfolio of ConvergeOne professional services, contact your ConvergeOne representative or call 888 321 6227.

