

ORACLE COMMUNICATIONS

CONSULTING FOR STIR/SHAKEN

DEPLOYMENT

Caller Identity theft and spoofing has been exacerbated in recent years by an onslaught of robocaller systems which leverage SIP-based telecommunications networks to engage in nefarious activities beyond the noble pursuits of connecting people.

Today, both Service Providers and Enterprises fall victim to these fraudsters and their tactics resulting in lost revenues numbering in the millions. Beyond the scope of telecom interconnect networks, Enterprises are victimized as automated fraudulent caller applications monopolize time in their IVRs and with Call Center attendants.

The topic of mitigating the threats associated with malicious robocall systems and telecom identity theft is main stream and technologies like STIR/SHAKEN have become increasingly prevalent in network architecture discussions at Telecommunications SPs (Service Providers) throughout North America.

STIR/SHAKEN is a technology defined by the Alliance for Telecommunications Industry Solutions (ATIS). The framework provides a mechanism for one service provider to attest to the veracity of a calling line identity originating from its network, and then a complimentary mechanism for a peer service provider to verify that same calling line identity.

The Oracle Communications STIR/SHAKEN solution leverages carrier grade Oracle technology platforms and industry leading expertise to provide Service Providers with solutions which will positively impact their bottom line in year one, and reduce total lifetime cost of ownership as the needs and demands of tomorrow become known.

Providing industry leading, low total cost of ownership solutions like those achievable with the Oracle Communications STIR/SHAKEN solution are made possible through Oracle's innovative approach to problem solving, leveraging the Carrier Grade Oracle Communications Converged Application Server (OCCAS) middleware platform and Application delivery model; Which enables Service Providers and Enterprises to deploy standards compliant functionalities starting on day one as modular applications and alter them, on demand, to accommodate broadly appealing enhancements as quickly as one-off feature requests.

SERVICE OVERVIEW

OCC STIR/SHAKEN Application Delivery services are facilitated by OCC consultants in accordance with Oracle Software Development best practices, and documented by Oracle based on expertise gained from the implementation of STIR/SHAKEN architectures throughout North America.

HIGHLIGHTS

- Project Management Plan
- Technical Workshop for analysis and design
- Technical Documentation
- Deployment, configuration, testing and integration
- Migration and Go-Live
- Monitor, troubleshoot and resolve

Key Benefits

- Mature, field tested, Carrier-Grade platform
- Field Proven platform software at massive deployment scale
- Seamlessly scalable
- Open architecture extensibility, and integration with third party components and

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STIR/SHAKEN technology can be deployed in varying ways. Because of this, the OCC services model involves direct collaboration with Service Providers to design and develop a comprehensive statement of work (SOW) to ensure the appropriate mix of functionalities are deployed, tested and delivered to the customer in a timely and complete manner.

Implementation Services are customized for the unique needs of our customers, utilizing evolving best practices for service delivery.

SERVICE DETAILS

OCC will deliver the following services for implementation of Oracle STIR/SHAKEN Solution:

- Define and create project management plan and procedures for the services
- Conduct technical workshops to gather technical and testing requirements, define high level environment and deployment design, network architecture, testing and implementation strategy
- Produce software enhancements based on specific deployment needs
- Produce technical documentation such as system architecture and engineering document (SAED), statement of procedure (SOP)
- Monitor and review the Oracle Communications STIR/SHAKEN solution components, measurements, and generated events to identify residual issues
- Conduct problem troubleshooting and root cause analysis, take corrective actions and make further recommendations

The service is delivered by working cooperatively with the customer's technical team throughout the entire process.

OCC STIR/SHAKEN Development, and Implementation services rely on proven methods and processes, allowing customers to achieve desired outcomes while avoiding problems and unforeseen complications. Customers can rely on repeatable policies and procedures based on worldwide Oracle Communications products and solutions deployments.

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Integrated Cloud Applications & Platform Services

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Oracle is committed to developing practices and products that help protect the environment

internal business systems

- On demand development model connects your engineers with the Oracle Consulting development team during lab, pre-production, and post-production conversations.
- STIR/SHAKEN Applications are extensible modules.
- A modular architecture model enables efficient deployment, unprecedented flexibility, scale, and ease of evolution.

Related Products

- Oracle Communications Converged Application Server (OCCAS)

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