THIRDEYE SUITE: CLOUD INTEGRATION AND NETWORK SECURITY

LogicVein

Whitepaper

ThirdEye Suite can integrate with and support cloud-based network management. Its flexible deployment options, multi-tenancy support, and scalability suit cloud environments well.

At the same time, its robust security features address the critical concerns of data protection and access control in distributed networks.

ThirdEye's compliance management capabilities help organizations navigate the complex regulatory landscape of cloud computing.

As network infrastructures continue to evolve and expand into the cloud, solutions like ThirdEye Suite are crucial in enabling organizations to maintain visibility, control, and security across their entire network ecosystem.

ThirdEye Suite is a valuable asset for MSPs, carriers, and enterprises managing complex network environments in the cloud age. It provides comprehensive cloud integration, security, and compliance tools.

In this paper, we will explore:
- Cloud-Based Network Management
- Cloud and MSP Deployment
- Cloud Security Measures

CLOUD-BASED NETWORK MANAGEMENT

In today's rapidly evolving digital landscape, cloud-based network management has become essential for businesses of all sizes. ThirdEye Suite offers a comprehensive solution that seamlessly integrates with cloud environments, providing the flexibility, scalability, and security needed to manage complex network infrastructures.

CLOUD-READY DEPLOYMENT

ThirdEye Suite can be deployed as a virtual appliance on various cloud platforms, including VMware ESXi, Microsoft Azure, Amazon Web Services (AWS), and Nutanix AHV.

SOFTWARE-AS-A-SERVICE

Several LogicVein customers are offering their customers ThirdEye Suite as a service (SaaS) via public and private clouds.

MULTI-TENANCY SUPPORT

The SmartBridge feature allows managing multiple networks from a "single pane of glass" and supports overlapping IP spaces, which is crucial for cloud and multi-tenant environments.

SCALABILITY

ThirdEye Suite can easily manage up to 50,000 nodes, making it suitable for large-scale cloud deployments.

API INTEGRATION

AOffers extensive API access for integration with other cloud-based network management tools and services.

DISTRIBUTED ARCHITECTURE

SmartBridge enables a distributed architecture where network operations can occur geographically closer to the devices under management, which is beneficial in cloud and hybrid environments.

AUTOMATED UPDATES

When the core server's software updates, all linked SmartBridges are automatically updated, simplifying management in cloud environments.

DATA EXPORT AND IMPORT

Allows users to export data from ThirdEye, edit it, and then import it back, which can facilitate integration with other cloud-based tools and services.

FLEXIBLE LICENSING

Offers a subscription billing plan where MSPs only pay for what they use each month, aligning with cloud service models.

SECURITY FEATURES

Includes robust security features like role-based access control and audit logging, which are crucial for cloud-based deployments.

ThirdEye

LogicVein

CLOUD AND MSP DEPLOYMENT

Managed Service Providers (MSPs) face unique challenges in managing multiple client networks efficiently and securely. ThirdEye Suite addresses these challenges head-on with its cloud-ready deployment options and MSP-specific features. This blog post delves into how ThirdEye Suite empowers MSPs to offer network management as a service, scale their operations, and maintain strict access control across diverse client environments

CLOUD-READY

Several LogicVein customers are offering their customers ThirdEye Suite as a service (SaaS) via public and private clouds. It can be deployed on cloud platforms like VMware ESXi, Microsoft Azure, Amazon Web Services, and Nutanix AHV.

ACCESS CONTROL

A granular permissions system allows MSPs to assign access and permissions for each customer while maintaining overall control.

MULTI-TENANCY SUPPORT

The SmartBridge feature allows management of multiple networks from a "single pane of glass" and supports overlapping IP spaces. This enables MSPs to manage multiple customer networks while maintaining separation.

SCALABILITY

It can manage up to 50,000 nodes easily. Includes features like bulk change management for large-scale deployments.

LICENSING AND BILLING

AOffers extensive API access for integration with other cloud-based network management tools and services.

REMOTE MANAGEMENT

Supports remote configuration management and monitoring across distributed environments.

INTEGRATION CAPABILITIES

Offers API access and integration with other network management tools.

MSP-SPECIFIC FEATURES

- Terminal proxy for secure remote access
- Configuration backup and compliance management
- Automated discovery and mapping
- Customizable dashboards and reporting

DEPLOYMENT OPTIONS

It can be deployed as a virtual appliance on various cloud and virtualization platforms.

SUCCESS STORIES

SoftBank Telecom Corp. uses ThirdEye Suite to manage over 10,000 devices across multiple customer networks globally. See the success story here:

CLOUD SECURITY MEASURES

As networks expand into the cloud, security concerns become paramount. ThirdEye Suite incorporates robust security measures designed to protect data, control access, and ensure compliance in distributed cloud environments.

ROLE-BASED ACCESS CONTROL

ThirdEye has a granular permission system that allows administrators to easily manage each user's access. Based on specific permissions, user-defined roles can be created, allowing fine-grained control over who can access what in cloud environments.

AUDIT LOGGING

Comprehensive logging of all user activities, including configuration changes and device access.

API ACCESS CONTROL

API access is controlled through the user permission system.

SECURE REMOTE ACCESS

The Terminal Proxy feature allows users to SSH into ThirdEye and then " jump" into inventory devices with automatic login. All sessions are fully recorded, indexed, and searchable, providing an audit trail of all remote access activities.

CREDENTIAL MANAGEMENT

ThirdEye manages device credentials, allowing secure access to devices without exposing passwords to end-users.

MULTI-TENANCY SUPPORT

The SmartBridge feature allows managing multiple networks from a "single pane of glass" while supporting overlapping IP spaces. This enables secure separation of different customer networks in cloud deployments.

ENCRYPTED COMMUNICATIONS

ThirdEye uses secure protocols (like SSH) for device communications.

DISTRIBUTED ARCHITECTURE SECURITY

SmartBridge components can be placed at different locations, reducing the need to expose the entire network to the central management server. Only detected changes are transferred to the core server, minimizing data exposure.

AUTOMATED SOFTWARE UPDATES

When the core server's software updates, all linked SmartBridges are automatically updated, ensuring consistent security across the deployment.

AUTOMATED COMPLIANCE CHECKS

Real-time compliance features detect and report when a rule is broken in device configurations. This helps maintain security standards across cloud-deployed networks.

ThirdEye   **LogicVein**

ThirdEye Suite is capable of integrating with and supporting cloud-based network management. Its flexible deployment options, multi-tenancy support, and scalability suit cloud environments well. At the same time, its robust security features address the critical concerns of data protection and access control in distributed networks.

Furthermore, ThirdEye's compliance management capabilities help organizations navigate the complex regulatory landscape of cloud computing.

As network infrastructures continue to evolve and expand into the cloud, solutions like ThirdEye Suite are crucial in enabling organizations to maintain visibility, control, and security across their entire network ecosystem. ThirdEye Suite is a valuable asset for MSPs, carriers, and enterprises managing complex network environments in the cloud age by providing a comprehensive set of tools for cloud integration, security, and compliance.