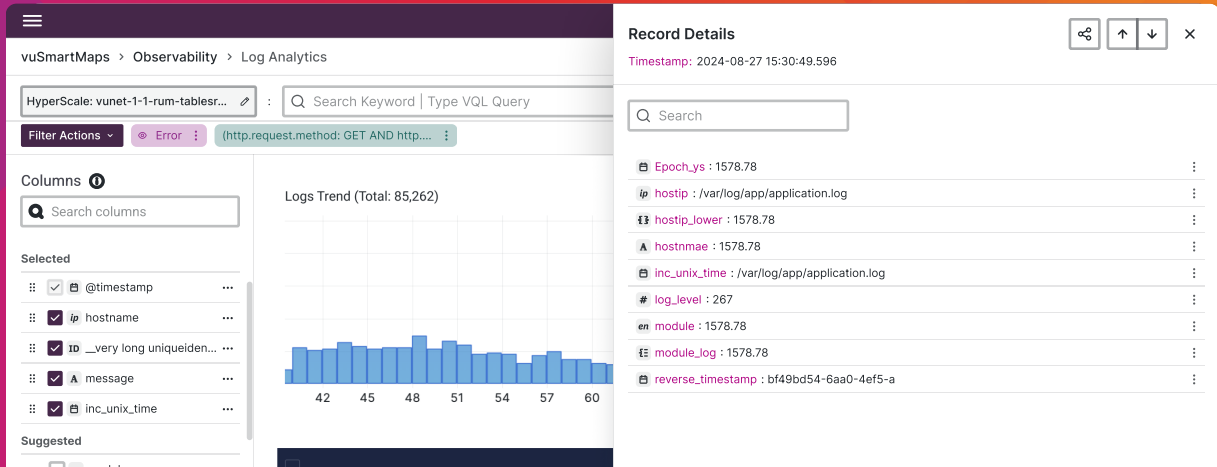


vuLogX

Advanced Log Analytics for Modern Enterprises



Scalable, Secure, and Streamlined Log Management

vuLogX is a log-based observability platform that makes it easier to manage data from start to finish. It helps businesses, especially in finance, handle logs efficiently, reducing monitoring costs while ensuring top performance and meeting industry standards.

Optimize Your System Health with Real-Time Insights



**Real-Time
Data Ingestion
and Processing**



**Scalable Data
Centralization
and Storage**



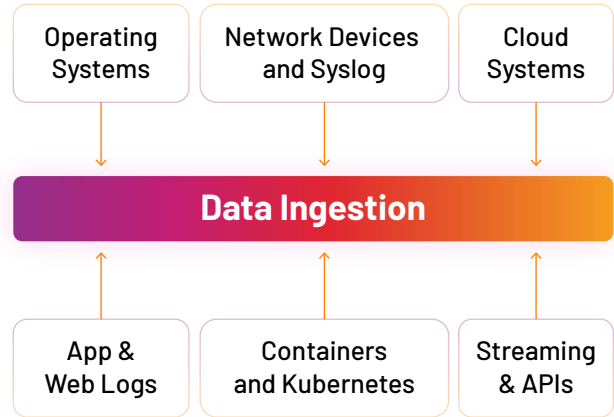
**Live Log
and Adjacent
Log Features**

Platform Overview

Data Ingestion and Processing

vuLogX ensures efficient log capture from all environments, enabling real-time monitoring and troubleshooting.

- Supports multiple ingestion methods (API, Streaming, Message Queues) including integrations with syslog, Kafka, and more
- Accommodates varied deployment workloads, enabling ingestion from both on-premise and cloud environments
- Ensures compatibility with structured and unstructured data from various devices.



```
[2024-10-25T14:23:45.123Z]
INFO PaymentGatewayApp
srv-payment-03 CentralDatacenter
TransactionSuccess 12345ABC
250ms user789 Completed
```

Application Payment GatewayApp	Server srv-payment-03	Site Central Datacenter
Region APAC <small>(Enriched from another source)</small>	Event Transaction Success	Transaction ID 12345ABC
Processing Time 250ms	User ID user789	Status Completed

Data Cleansing and Enrichment

Real-time log enrichment with customizable tagging, deduplication, and filtering for optimized data accuracy and efficiency.

- Enables real-time parsing, normalization, and customizable enrichment during data ingestion. Out-of-the-box parsers for proprietary applications and ability to quickly develop custom parsers as required.
- Built-in deduplication process to ensure that unique log entries are stored filtering out redundancy to optimize storage and processing efficiency (Compression Factor >75%)
- Ability to tag logs by application, server, site, or region, providing a more granular approach to analysis.

Data Storage and Security


Safe, secure, and always available data, even during peak load times.

- Guarantees zero message loss after ingestion, maintaining performance with high log volumes.
- Supports horizontal scalability for continuous operation and data integrity, with configurable retention policies that manage data from hot to cold storage based on age, size, or priority.
- Secure data handling using industry-standard encryption and data compression
- Seamlessly integrates with external storage such as NetApp, Elastic and Amazon S3 for efficient archiving and protects sensitive information.

Data Retention Policy (Age / Size / Priority)

 **Hot**
Recent Data

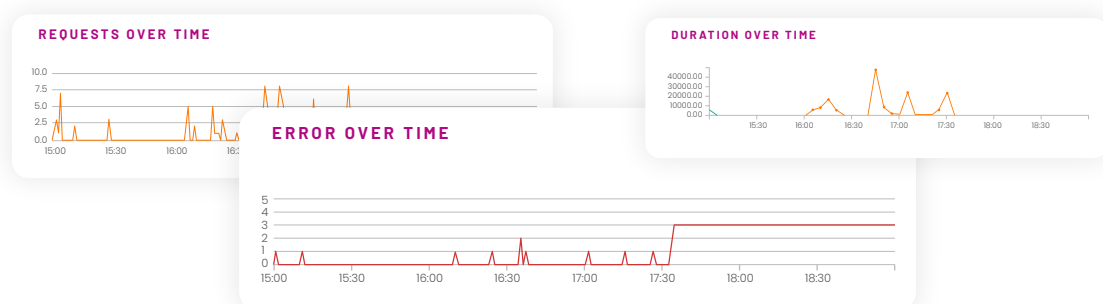
 **Warm**
Aging Data

 **Cold**
Archived Data

Data Analytics and Reporting

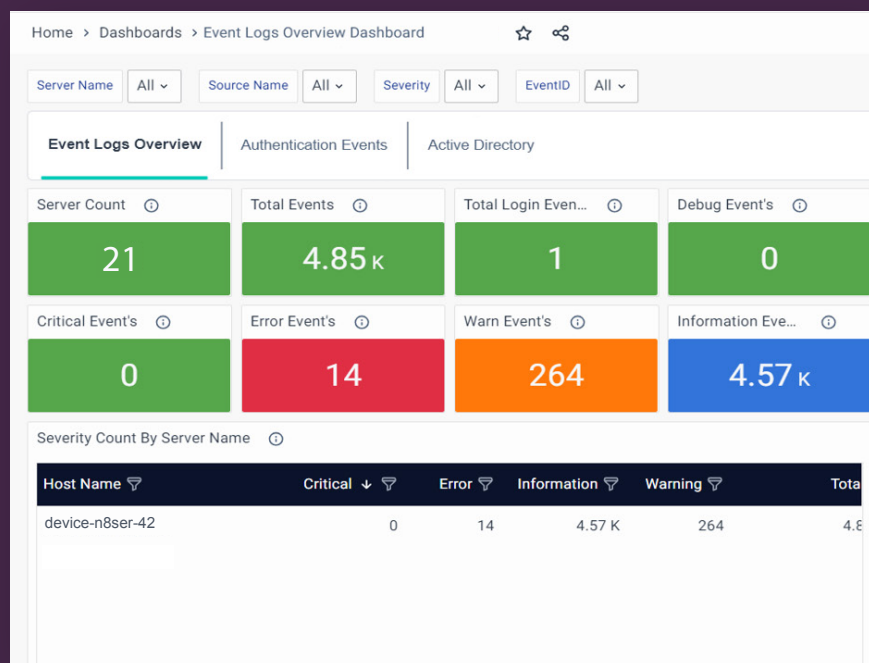
Comprehensive data analytics empowers users to extract actionable insights and streamline incident response.

- Robust full-text search capabilities, enabling quick incident response and root cause analysis. Pattern-based search for in-depth log analysis and compliance reporting.
- Perform custom analysis using simple and complex queries in VuNet Query Language (VQL)
- Provides flexible data transformation capabilities to convert raw logs into actionable insights, along with several pre-built analytics (eg: frequently occurring errors or peak traffic hours) for operational intelligence.
- Live log monitoring offers immediate visibility. Adjacent log analysis and multi-table searches to help identify patterns and trends for faster troubleshooting



Long Term Retention and Data Visibility for a Private Indian Bank

We implemented a comprehensive log management solution for a leading Indian private bank, addressing their complex infrastructure spanning **Solaris, AIX, Linux, and Active Directory systems**. The solution leverages **ContextStreams** technology to process and enrich logs while automatically masking sensitive information to ensure regulatory compliance.



Processing up to **2 TB of daily log data**, the solution stores processed logs in NetApp-based S3 Object Storage using a tiered approach (hot, warm, and cold layers). Hot data is accessible within one second, while warm data retrieval takes 3-5 seconds. The implementation achieved **75% storage compression**, significantly reducing costs.

The solution features **VuNet Query Language (VQL)** for advanced search capabilities and implements role-based access control for security. This comprehensive approach has provided the bank with a scalable, secure, and efficient log management system that supports their operational needs.

VuNet's Business-Centric Observability platform, vuSmartMaps™ seamlessly links IT performance to business metrics and business journey performance. It empowers SRE and IT Ops teams to improve service success rates and transaction response times, while simultaneously providing business teams with critical, real-time insights. This enables faster incident detection and response.



For more information:

Visit us at www.vunetsystems.com or contact us at info@vunetsystems.com