NuSuMMit

Optimizing IT Operations with AIOps

Overview

To enhance your IT ops, you need to harness the ever-increasing volume and velocity of IT-generated data, for which you need AI's smart and self-improving capabilities like ML and NLP to ingest and analyze it at scale.

Our Solution

Our AIOps **(Artificial intelligence for IT operations)** solutions enable enterprises to aggregate big data, identify causes in operational performance and close the gaps to accelerate their digital transformation initiatives by automating and streamlining operational workflows.

Our solution framework consists of following engagements to deliver AIOps-driven business service health:

Reduction of incidents and resolution time by separating unwanted events (noise) from alerts on major events

Replacement of error-prone, ad hoc processes across security, risk and IT teams

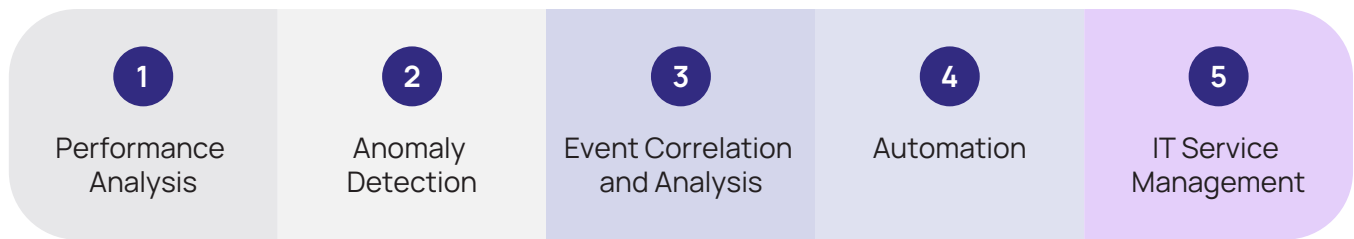Identification and remediation of root causes in real-time or near-real-time

Automation of vulnerability, security incident and risk management processes

Solution Framework

NuSummit provides platforms that leverage big data, collecting a variety of data from various IT operations tools and devices to automatically spot and react to issues in real-time, while still providing traditional historical analytics.

The Solution

1	2	3	4	5
Performance Analysis	Anomaly Detection	Event Correlation and Analysis	Automation	IT Service Management

Differentiators

NuSummit Centre of Excellence has pioneered EFK Stack (Elasticsearch, Fluentd, Kibana) and Prometheus Grafana-based solution for centralized log monitoring. These solutions help customer to manage IT Services and Automation more effectively.

Advantages and Value-adds

With the help of our AIOps solutions, our clients have optimized the performance and stability of their core business applications as well as improved the visibility and predictability across their IT-infra and IT-security framework. Additionally, our solutions can be successfully deployed for:

- Developing comprehensive approach to network, data, and security management
- Collecting automated logs from across an IT infrastructure
- Quickly sorting and analyzing huge volumes of log data produced by pods
- Simplifying log analysis and correlation tasks
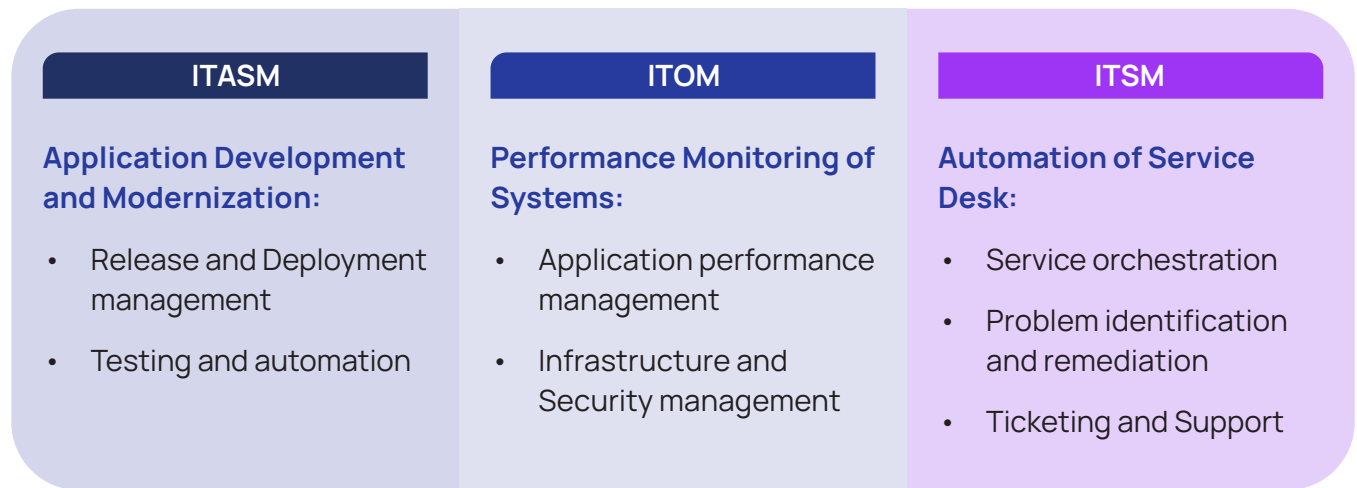
Solution Component - AIOps Suite

The AIOps solution offers most of the critical aspects of IT Operations such as Performance Analysis, Anomaly Detection, Event Correlation & Analysis, Automation and Service Management. There are three broad areas where AI-Ops Suite is critical:

IT automation and configuration management (ITACM) within your Application Development Practice where DEV environment, Test Environment and Release Management are crucial
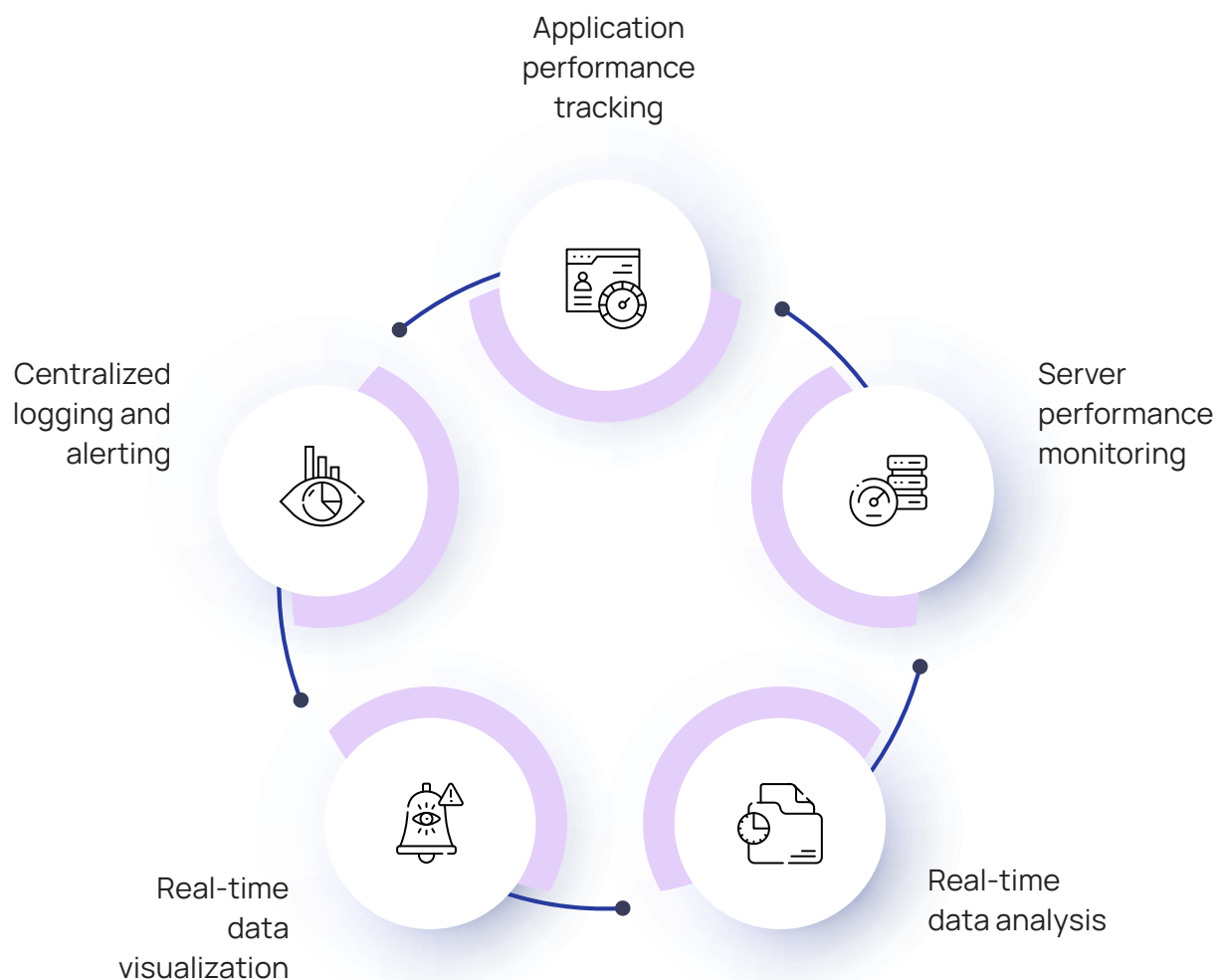
IT operations management (ITOM) within your hosting environment where customer needs performance visibility and predictability for Application, Infrastructure and Security Events

IT service management (ITSM) within your IT Services environment where customer is expecting Automation in Orchestration, Ticketing and Remediation

Areas where AIOPS can be applied

ITASM	ITOM	ITSM
Application Development and Modernization:	**Performance Monitoring of Systems:**	**Automation of Service Desk:**
• Release and Deployment management • Testing and automation	• Application performance management • Infrastructure and Security management	• Service orchestration • Problem identification and remediation • Ticketing and Support

AIOPS Deliverables

Application performance tracking

Server performance monitoring

Real-time data analysis

Real-time data visualization

Centralized logging and alerting

About NuSummit

NuSummit is a global technology leader in AI-led digital transformation, specializing in applications, data, analytics, cloud, and cybersecurity. With over 300 clients worldwide, including 22 Fortune 500 companies, NuSummit supports organizations across industries. Our core expertise lies in banking, insurance, and capital markets, where we offer specialized solutions for these sectors.

With over two decades of experience and 3,000+ professionals, we deliver AI-driven, end-to-end solutions that integrate advanced cloud infrastructure and cybersecurity. Certified to top industry standards and backed by a robust partner ecosystem of hyperscalers and niche innovators, NuSummit is a trusted partner for secure, impactful digital innovation.

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