Optimizing

IT operations with AIOps

BROCHURE

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

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

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

◥ Automation of vulnerability, security incident and risk management processes

Solution **Framework**

NSEIT 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.

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

Differentiators

NSEIT 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:

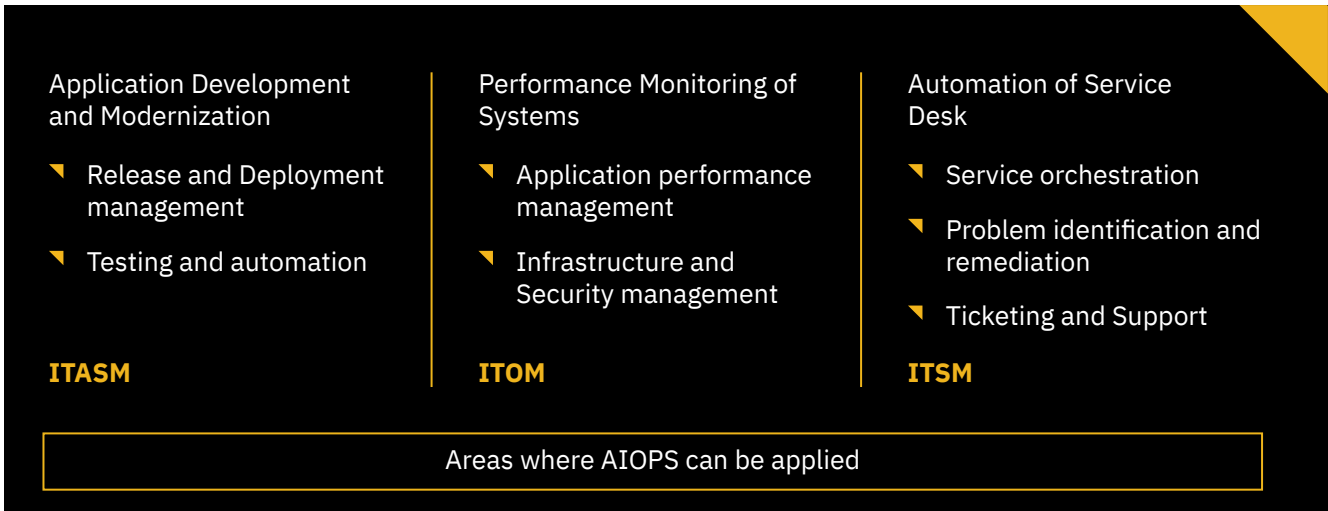▸ Developing comprehensive approach to network, data, and security management

▸ 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
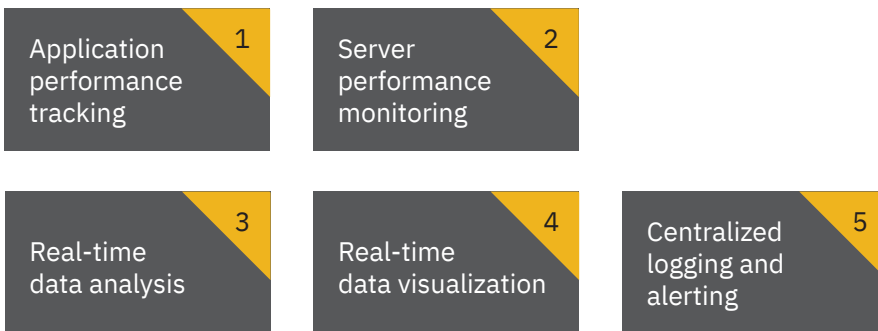
Solution Component **- AIOps Suite**

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

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

Areas where AIOPS can be applied

AIOPS **Deliverables**

Application performance tracking	1		Server performance monitoring	2

Real-time data analysis	3		Real-time data visualization	4		Centralized logging and alerting	5

About **NSEIT**

NSEIT Limited is a global technology enterprise, focused on delivering excellence in a complex digital environment primarily in banking, insurance, capital market ecosystem, EdTech, and online examinations. With over 20+ years of expertise across large-scale complex digital implementations, we have been recognized as the 'Trusted Technology & Knowledge Partner' for 500+ customers globally. From providing seamless next-gen digital solutions to owning and running India's largest network of 229 Test Centers across 227 Cities in India. With our 3,000+ finance industry-focused technologists and business analysts, we aim to catalyze the digital-native movement across the BFSI, EdTech & Online Examination landscape by creating end-to-end business-enabling technology solutions.

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