

## Manage modern data platforms on cloud or on-premise with AI-driven DevOps

20% faster releases and deployments

Up to 30% savings through cloud optimization

Ready-to-use enablers for faster DevOps implementation

On-premise, hybrid, and multi-cloud environments

Partnership with AWS, Azure, and GCP

24x7, 16x7, 8x7, and custom support models



Concerned about the security, cost, and monitoring of your cloud initiatives?



Looking for a stable production environment and faster, risk-free releases?



Struggling to transition from 'Dev vs Ops' to agile DevOps?



Need end-to-end visibility for key indicators across your value streams?

Take advantage of our customized cloud services, innovative automation levers, advanced monitoring tools, and security best practices to seamlessly manage mission-critical use cases across on-premise and cloud environments.

### Our Services



#### Application management support

- Application/use case on-boarding
- Debugging and troubleshooting
- Automated alerting and monitoring



#### Platform and cloud management

- Big data administration, cluster planning, set-up, security, and monitoring
- Cloud administration, infrastructure, networking, security, monitoring, and optimization



#### Continuous integration and continuous delivery

- Single-click deployment and automation
- Containerization



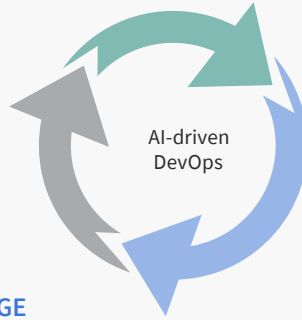
#### DevOps process maturity, KPI, and metrics

- Incident and change management
- KPI and SLA management
- Executive and operational dashboards

# Our Approach

## ASSESS

- Review current state of clusters and environments
- Identify gaps and deviation from best practices
- Create action plan for long-term success



## ACCELERATE

- Collaborate seamlessly across teams
- End-to-end automation of all processes and tasks
- Solution accelerators for deployment, set-up, monitoring, and management

## MANAGE

- Measure all indicators to predict business outcomes
- Analyze metrics and trends
- Identify improvement opportunities

# Our Enablers

## World-class technology

### SandStorm

Automated performance and big data testing

<http://www.sandstormsolution.com/>

### Jumbune

Application performance management for data clouds powered by artificial intelligence

<http://www.jumbune.org/>

## Innovative solution accelerators

### Jenkins-based CI framework

Up to 20% faster set up of Jenkins environments

### Terraform scripts for cloud automation

Up to 20% faster implementation of infrastructure as code across cloud providers

### Ansible-based CI framework for serverless deployment in the cloud

Up to 50% faster development of CI pipelines

### Docker-based Hadoop deployments

Up to 50% faster setup of Hadoop clusters

### Cloud assessment guidelines

Up to 20% faster implementation of best practices

# We partner with Fortune 500 clients to support data lakes on-premise and in the cloud

## 100% available hybrid and multi-cloud data platform for a healthcare services provider

- 24x5 support for Hadoop platform and use cases
- One-click transient clusters and use case deployment in Azure and GCP
- Up to 20% cost savings in the cloud with on-demand transient clusters
- 15% savings in operational time by providing self-service capabilities to use cases to start/stop/pause/resume/scale-up/scale-down clusters

## 10x peak load support via custom ECS auto-scaling for a customer loyalty program

- 5x faster ingestion pipelines for priority feeds
- 10x support for peak load using custom ECS auto-scaling solution
- One-click deployment of ingestion pipelines
- 10% reduction in AWS costs by using effective auto-scaling policies and minimizing concurrent Lambda executions

## 20% cost savings in AWS for a real-time semiconductor fault detection platform

- Design and implement cloud architecture connecting on-premise and cloud environment
- 100% available and fault-tolerant cloud environment
- 100% license cost savings by leveraging CDH community edition
- 20% cost savings with continuous monitoring and optimization of AWS resources
- Periodic operational reports and dashboards for resource and cost analysis

## 60% infra cost savings with a centralized data lake on AWS for a recurring revenue platform

- Migrated from IaaS to PaaS (EC2 to Kubernetes)
- 24x7 support for AWS environment and application
- 100% uptime and availability
- 90% reduction in bootstrap failures/issues
- 60% reduction in AWS infrastructure cost

## 20% operational time saving for a US-based Fortune 500 bank's on-premise data lake

- More than 100 data sources and 10000+ jobs per day
- More than 1000+ nodes across stage and production environments
- Up to 15% fewer incidents with proactive monitoring and automated incident remediation
- Reduced deployment time by ~20% using Jenkins
- 24x7 support for the platform and use cases

## 30% cost savings and 100% availability in AWS-based enterprise data lake for an insurance broker

- More than 50 data sources including batch and real-time
- One-click deployment of data ingestion platform and pipelines
- 2x faster processing of priority feeds using transient and persistent EMR
- Automated monitoring and alerting using CloudWatch, Splunk, and AlertSite
- Up to 40% reduction in production failures with root case analysis
- 30% cost savings by enabling custom EMR auto-scaling and tagging
- Enterprise-grade security and audit compliance

## IMPETUS

Impetus is focused on creating big business impact through big data solutions for Fortune 1000 enterprises across multiple verticals. The company brings together a unique mix of software products, consulting services, data science capabilities, and technology expertise. It offers full lifecycle services for big data implementations and real-time streaming analytics, including technology strategy, solution architecture, proof of concept, production implementation, and on-going support to its clients. To learn more, visit [www.impetus.com](http://www.impetus.com) or write to us at [inquiry@impetus.com](mailto:inquiry@impetus.com)