AI for cloud ops

😍 Operate First

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About me

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Open Services
AI strategy
AIOps
Self Driving X

Asleep at the keyboard

"Asleep at the Wheel" by Jeffrey Zeldman - https://www.flickr.com/photos/zeldman/27540576343 - CC BY-ND 2.0
"Asleep at the Wheel" by Aaron Jacobs - https://www.flickr.com/photos/aaronjacobs/64368770 - CC BY-SA 2.0
AI Ops platforms are software systems that combine big data and **AI** or machine learning functionality to enhance and partially **replace** a broad range of **IT operations** processes and tasks, including availability and performance monitoring, event correlation and analysis, IT service management, and automation.

Source: Gartner Market Guide for AIOps Platforms Published: 03 August 2017 ID: G00322184
Increase Efficiency with AI

The path to the self-driving cluster

Number of Systems per Admin

Assisted AI  Augmented AI  Autonomous AI
AIOps in a Box

It’s not a Product

Boxed Product

Experiments → Capabilities
The cultural change we saw brought about by Dev & Ops == DevOps is being repeated in the combination of AI + DevOps == AIOps.
Cloud computing introduced the consumption model

Operation of code has become more valuable
If the value in IT is in ops, and ops are proprietary, then open source has a problem.
Users

"But it needs a fix"
"I can contribute?!"
"What code should I change?"
"How do I run it?"
"My change broke"
"How can others use my change?"
"How do I get everyone to use it?"

Contributors

Open Source Software

Software as a Service
“Operate First is a concept to incorporate operational experience into software development, by extending development to include operating, testing, and proving code in a production environment.

Ideally Operate First becomes a partner to Upstream First as a basic tenet of our workflow.”
Community Building
Inclusive to all Personas

- User
- Architect
- Operations
- Alops
- Developer
- Product Support

Operate First
hybrid CLOUD with full visibility into the operations center

www.operate-first.cloud
Status of community and systems
Operate First community cloud
live production environment
Operate First

Operate First community cloud
live production environment

OpenDataHub
Thoth
Apicurio
Quarkus
Pulp
...

MOC
hetzner.de
AWS
???.edu
IBM Cloud
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live production environment

ACM
ArgoCD
Prow
Tekton
Observatorium
...

Workloads
Management
and automation

MOC
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AWS
???.edu
IBM Cloud
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Operate First community cloud
live production environment

Workloads | Management and automation | Everything as a service

Operators
ODH
Kafka
Prometheus
Loki
...

MOC | hetzner.de | AWS | ???.edu | IBM Cloud
Operate First community cloud
live production environment

Operational Data
Blueprints
Community building...

Workloads
Management and automation
Everything as a service
Data and best practices

MOC  hetzner.de  AWS  ???.edu  IBM Cloud
AIOps in a Community

Discussion
Collaboration
Standards

Grow collectively
Codify operational experience
Democratize operations

Your own data as a competitive differentiator

Leverage the power of Many
Call to Action

Community means collaboration

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