

Micro services-Infra As Code

Pain Points

- ◆ Code Complexity & Maintainability
- ◆ Deployment becomes the bottleneck, fear to change, lack of ownership
- ◆ Failure dependencies
- ◆ One size doesn't fit all, hard to scale out
- ◆ Discrete Hardware, <10% utilization across servers
- ◆ Hardware centric culture
- ◆ Operations – infinite mails and tickets

Benefits / ROI

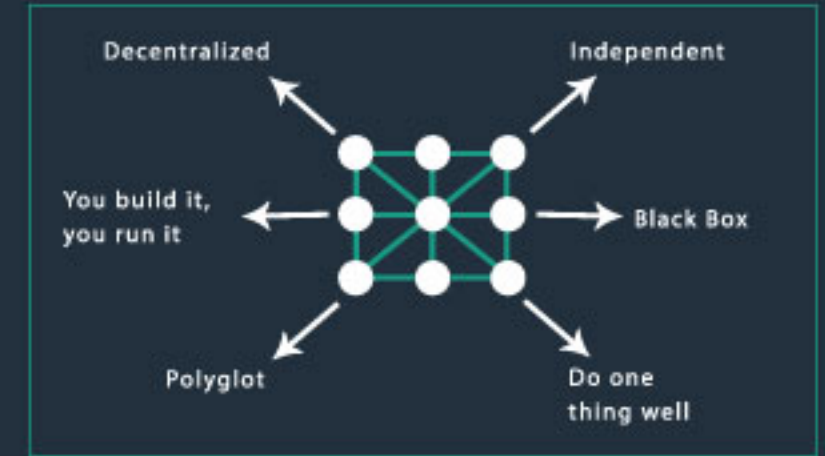
- ◆ Composability / Reusability / Ease of Maintenance
- ◆ Autonomy of teams, culture of change, deploy more, deploy faster, deploy better. Ownership and devops culture
- ◆ Failure isolation and resiliency
- ◆ Better scaling (out) and optimizations
- ◆ Hardware Aggregated, assign resource to service elastically
- ◆ Software centric culture
- ◆ Complete automated, run in auto pilot mode

Micro services - Infra As Code



Monolith

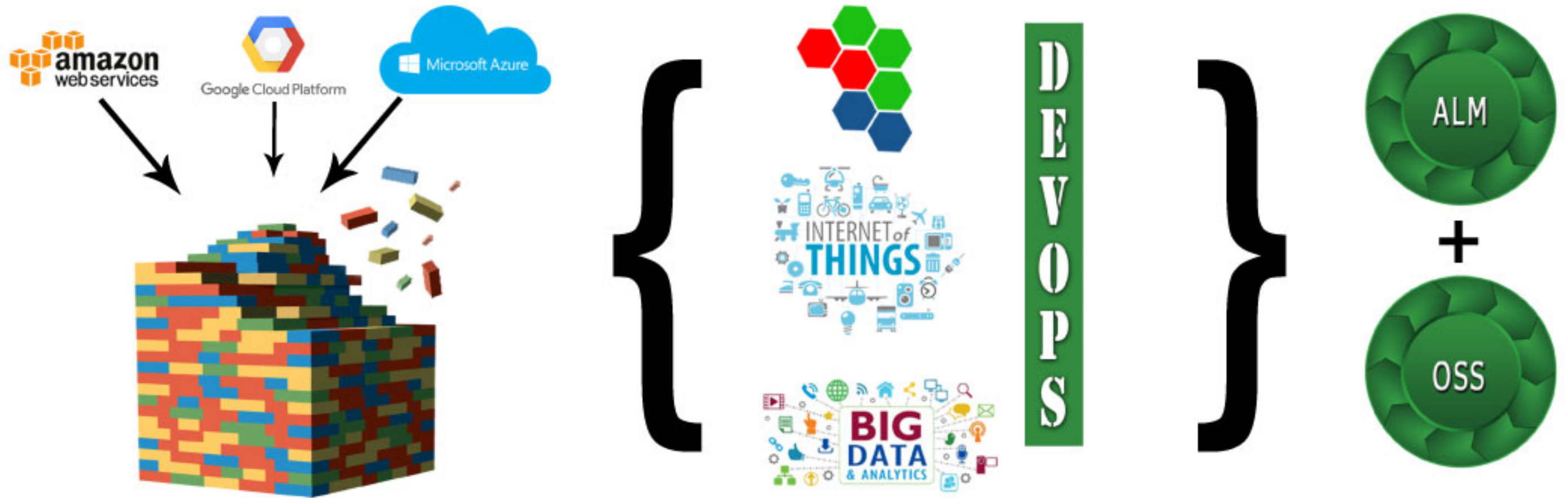
- ◆ 100% uptime, Resilient system
- ◆ 80% gain in business agility with scale out and speed of changes
- ◆ 90% gain in Hardware and operational cost
- ◆ 100% reduction in system software licensing



Micro Services

Micro services - Infra As Code

How? -Aggregate-Extend-Automate



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Aggregate

- Activities
- ◆ Aggregate computing, storage, network @ software layer from any public/private cloud
 - ◆ Scale in/out as per need

Extend

- ◆ Develop micro service, IOT, big data quickly
- ◆ Extend full proof frameworks

Devops

- ◆ Establish build /deployment pipeline
- ◆ Establish service orchestration

Operate

- ◆ Establish ALM
- ◆ Setup operational tools and frameworks to put your business in autopilot mode

Output

- ◆ Automated scripts to do end to end provisioning of entire platform in minutes

- ◆ Aggregated cluster capable of deploying micro service /IOT/ Big data Application

- ◆ Spring boot based micro services

- ◆ IOT and Big data application using open framework

- ◆ Automated scripts for build, deployment, test, release and quality sla's

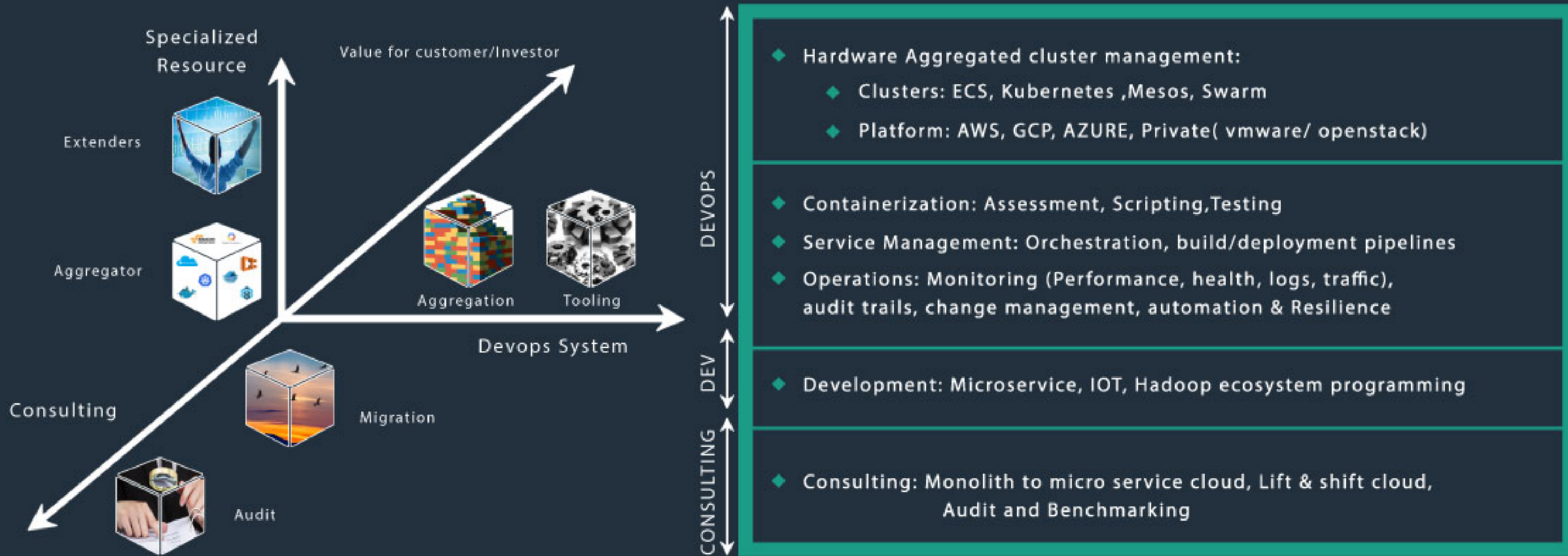
- ◆ Scripted Audit

- ◆ Operation tools for monitoring , resilience, auto scaling

- ◆ Finer integration with ALM

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Our Services



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Different thoughts - Specialized resource

"As IT changes so the resource requirement. Today all you need is to choose any cloud, aggregate resources and run Micro services , IOT , bigdata in autopilot mode. We understand your minimal need and designed resources accordingly".



AGGREGATOR

IAC-Devops-Shell - Python

Kube-Openshift -ECS-
Mesos-Swarm

AWS

AZURE

GCP



EXTENDER

Framework driven programming
(java/python)

Spring Boot / Hadoop Ecosystem /
IOT Ecosystem / Service Mix



OPERATOR

Shell- Python

Operation Support System-
Monitoring / Log Analysis /
Audit/ Trailing

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Key Differentiator

Our rich experience of successfully executing some key large scale microservices project:

- ◆ Our focused and simple approach towards delivering the benefits of aggregation and automation across clouds to our customers.
- ◆ Our code centric approach delivers continuous tangible benefits from the very first day.
- ◆ Our commitment towards innovations continuously pushing the limits of products and services.
- ◆ Large pool of specialized resources are available for effective cloud migration and microservice transformation project.
- ◆ Our commitment towards helping customers to adopt a build vs buy model, help them to be complete vendor neutral in IT.

