

aws SUMMIT

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Driving down costs for enterprise apps and devOps in AWS

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Your Journey to the Cloud is Over!

We are in an Evolved Cloud State, where
focus is on Innovation through
Optimization and Automation

Get more Control over your CLOUD

Customer's Voice – Optimization and ROI

Large IT / ITES

Our Target is to cut 50% of our Storage costs while we work towards strengthening our security posture in the cloud

Large Software Company

We invariably experience “Bill Shock” for IaaS. How do we control our costs

Insurance

I want to move to cloud; too much data to migrate and may lead to too much costs

Automotive Manufacturing

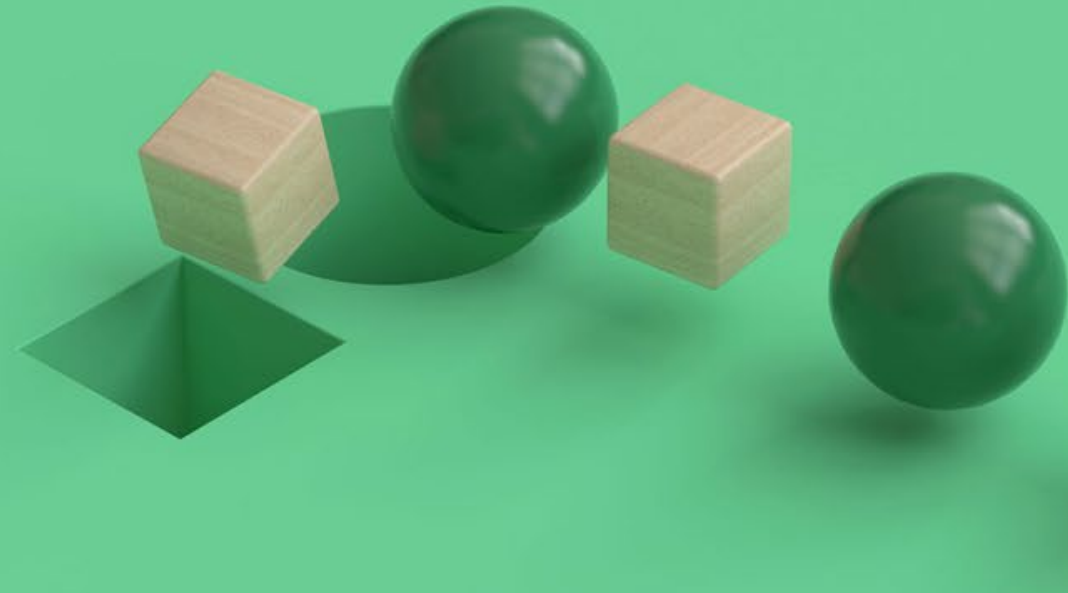
If I spend X dollars on my Compute, I spend 2 X on the storage

Financial Services Organisation

We spend a lot of time and resources in managing our Cloud Compute resources for our development and QA teams

Optimizing Data Storage

With Amazon FSx for NetApp ONTAP

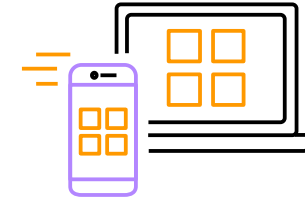


Amazon FSx for ONTAP: Performance and Reliability at Lower Cost



Fully managed & flexible

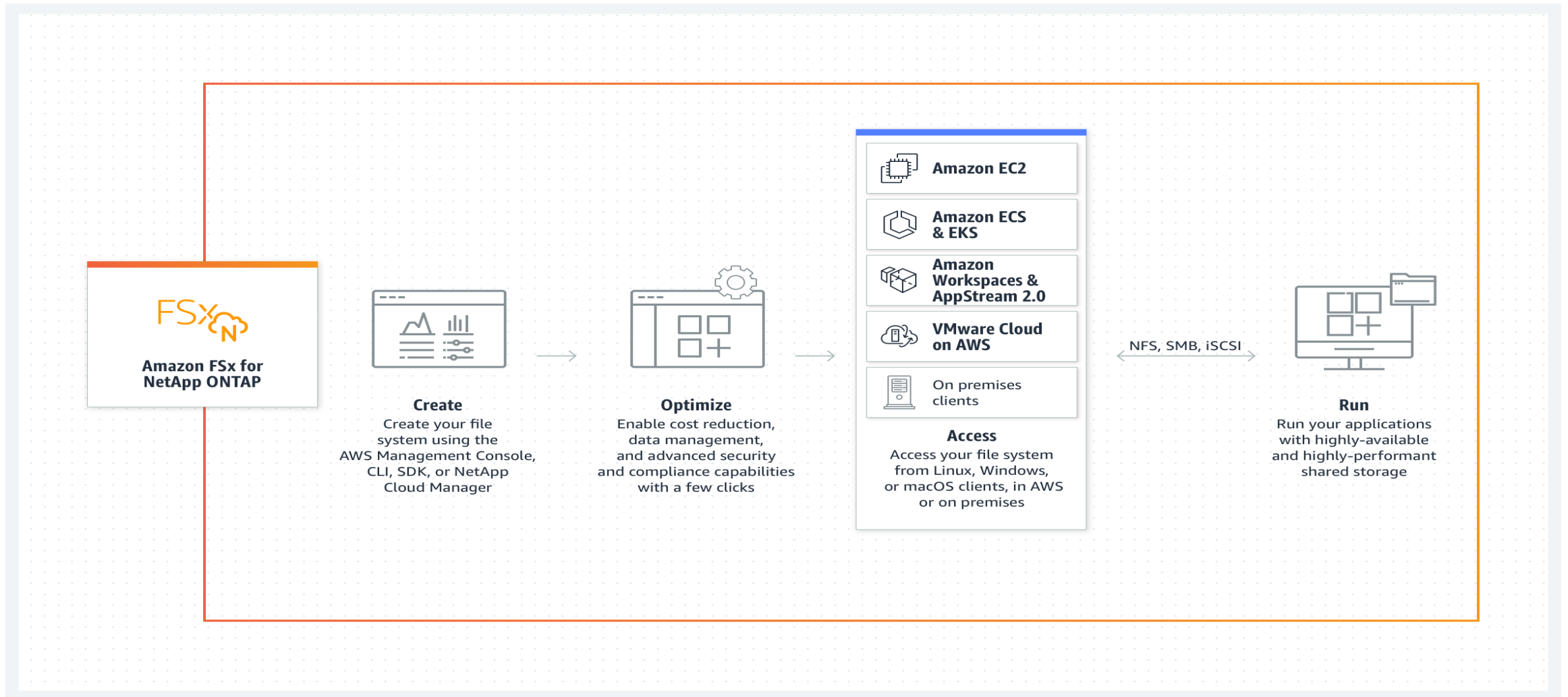
- Set-and-forget with no infrastructure and software management
- Easy to use with preferred AWS and NetApp tools
- Deploy ONTAP-as-code (CloudFormation and Terraform)
- Flexible storage management



Unified Storage

- Unified storage: NFS, SMB, and iSCSI
- Access from AWS compute services (e.g., Amazon EC2, EKS)
- Access from virtualization services (Amazon Workspace, Amazon AppStream 2.0, and VMware Cloud on AWS)
- Accessible from multiple VPCs and on-premises (AWS Transit Gateway)
- Integrated with leading ISV solutions

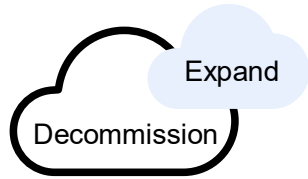
FSx for NetApp ONTAP



Source: <https://aws.amazon.com/fsx/netapp-ontap/>

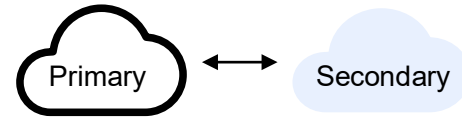
Key use cases

Amazon FSx for NetApp ONTAP – Unified Storage for all your Storage needs in the Cloud



Extend to hybrid cloud

Retire or extend your data center to the cloud. Benefit from on-demand burst capacity as your business requires it.



Disaster recovery

Build or shift disaster recovery capabilities to the cloud, lower cost, remove operational burdens.



Compute intensive applications

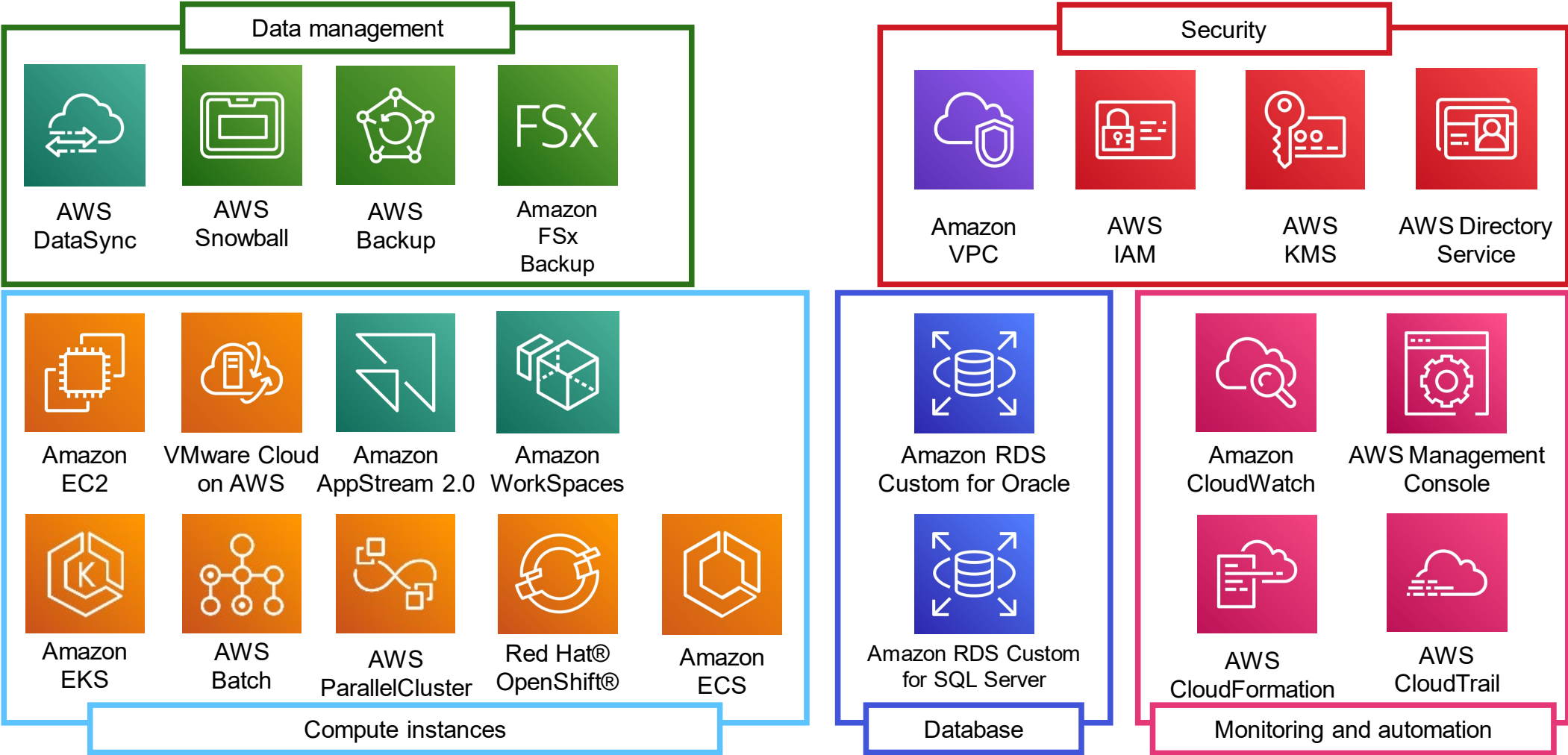
Scale on demand and achieve consistent performance for compute intensive applications such as VDI, SAP and other enterprise applications without having to refactor applications.



Application modernization

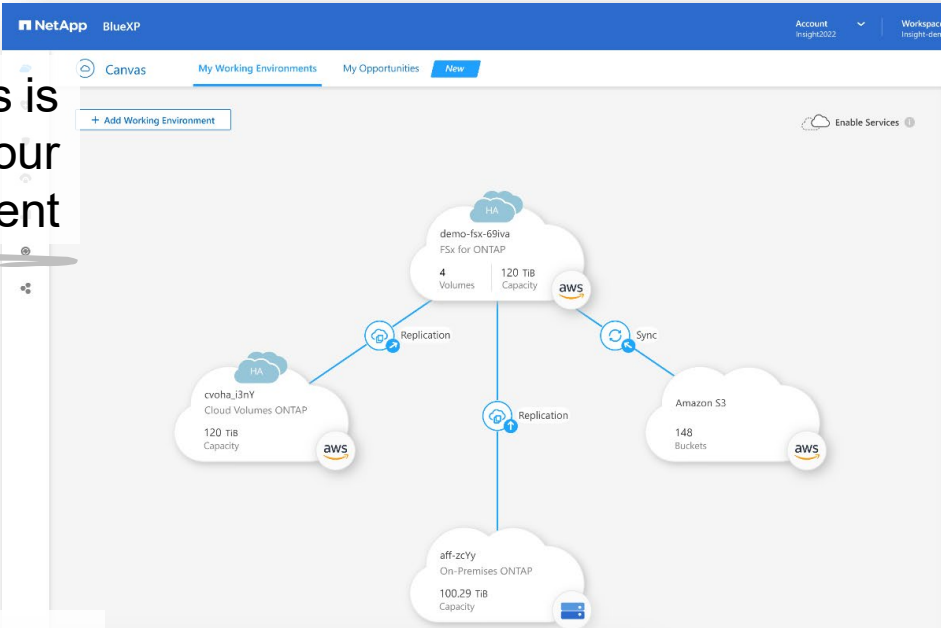
Build and securely connect both legacy and cloud-native workloads like containers, across environments. Access cloud native services and unify operations.

Seamless integration with AWS services

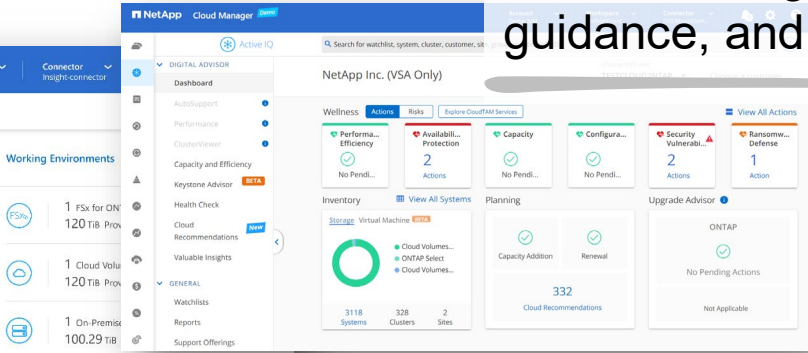


Turn administration time into innovation time

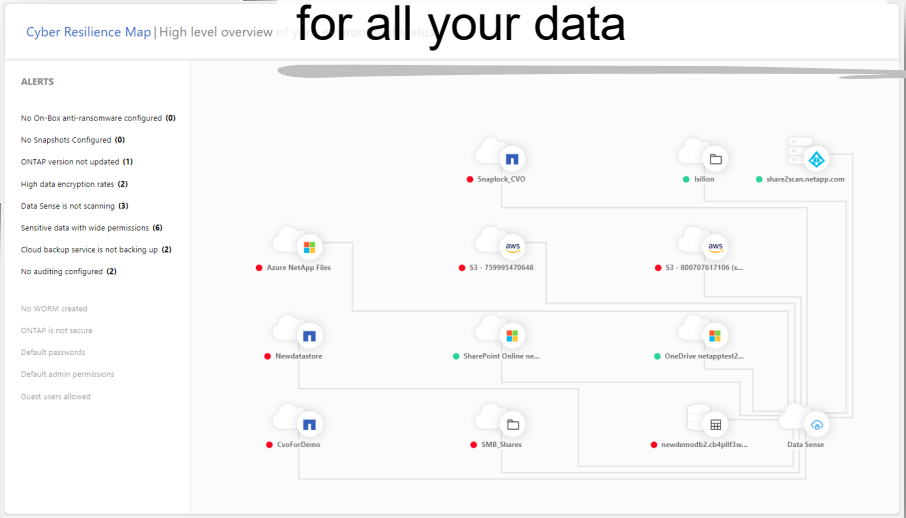
Management Canvas is the blueprint for your data environment



AI-driven insights, guidance, and actions



Always-on cyber resilience for all your data



Discover, mapping, and classify all your data



Optimizing Compute Services in AWS

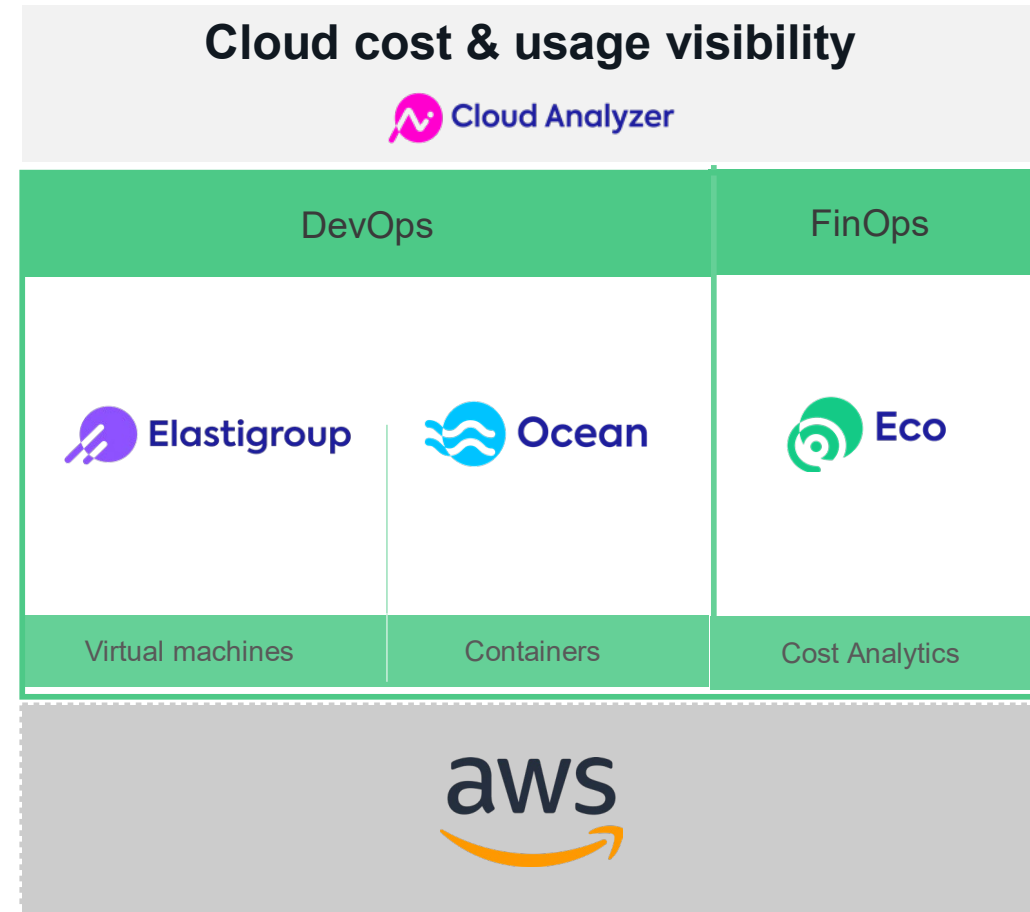
SPOT for Static Workloads / Stateless Apps and Microservices



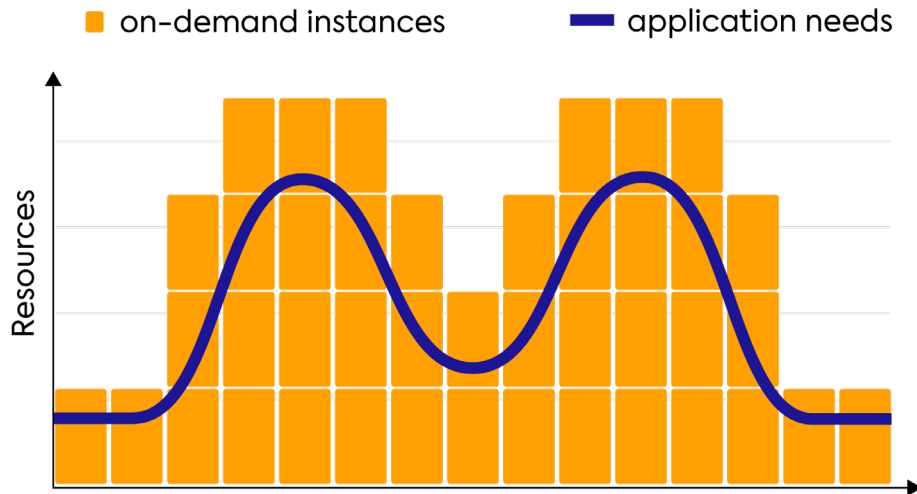
Spot by NetApp

A comprehensive portfolio of services to provision, run, and scale application compute resources in the cloud with a bias to cost-optimization

- **Infrastructure Optimization**
 - Automate, orchestrate and optimize cloud infrastructure Increase utilization while decreasing spend.
- **Active Capacity Management**
 - Purchase the optimal portfolio of reservations and respond to changes in usage automatically.
- **Recommendations with Automated Action**
 - Compute consumption, with recommendations and ability to act – manually or automatically.

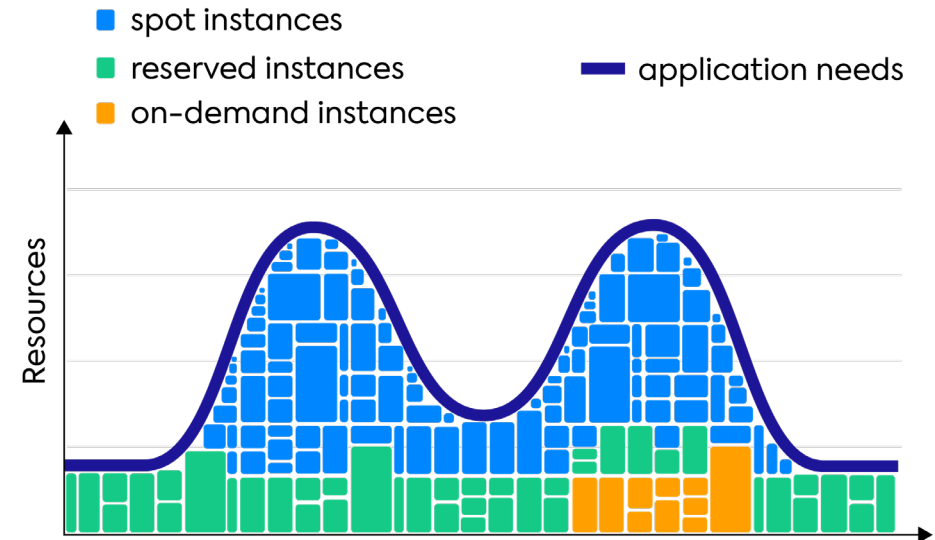


Spot simplifies with automation and continuous optimization



Self-Managed

- Overprovisioning
- Mostly On demand/Reserved
- Homogeneous compute

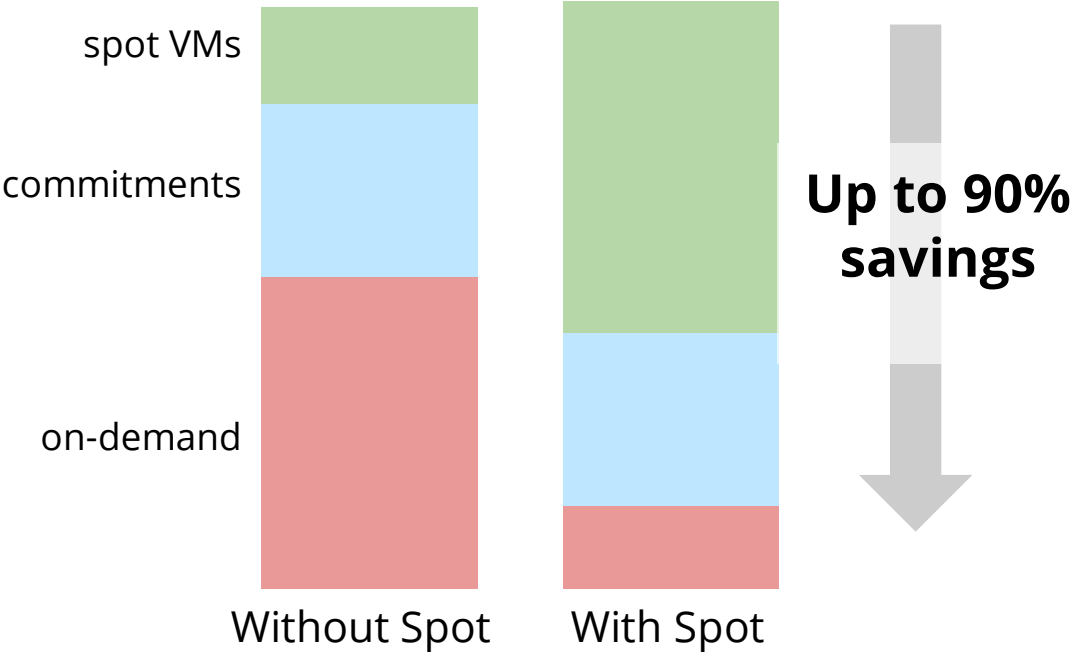


With Spot

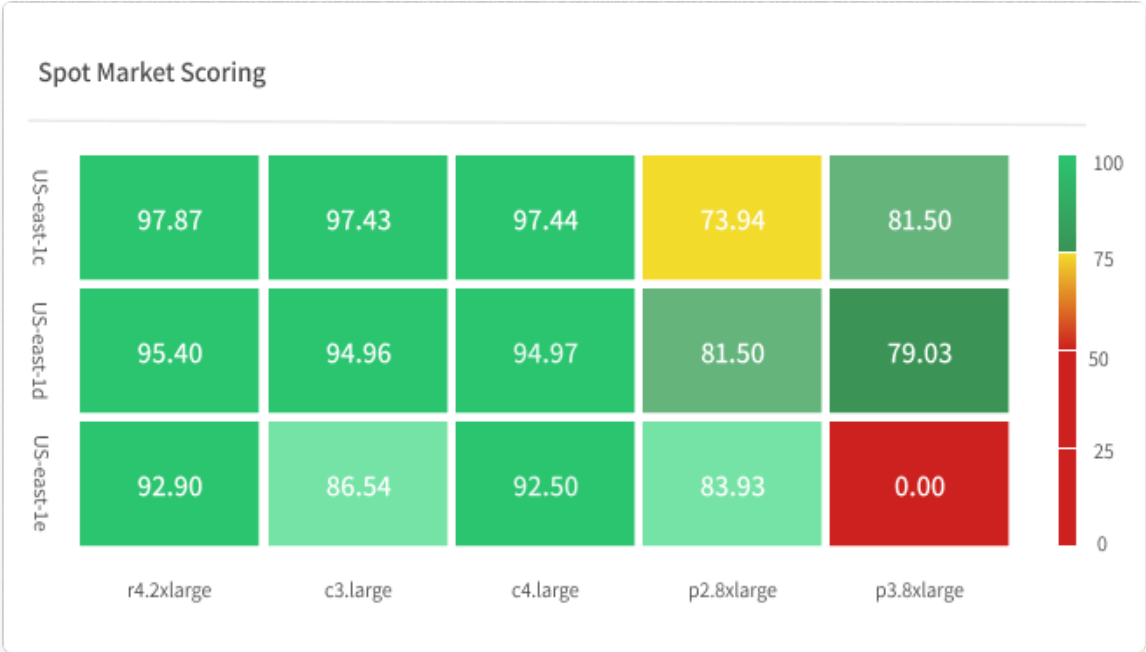
- App driven provisioning
- Price level optimization
- VM size level optimization
- Container size level optimization
- Heterogeneous compute

Intelligence in Optimization

Up to 90% less on compute



ML-driven algorithms to score and predict instance health



Integrating with IaC and CI/CD by Design

Infrastructure as Code

Integrated with existing **IaC tools** such as **Ansible, Terraform and AWS CloudFormation**, to support an end-to-end automated process of Enterprise applications stack.

CI/CD

Integrated with existing CI/CD tools such as **Jenkins, GitLab, AWS CodeDeploy & Spinnaker** to support an end-to-end automated integration and deployment process of applications.

```
# Configure the Spotinst provider
provider "spotinst" {
    token    = "${var.spotinst_token}"
    account = "${var.spotinst_account}"
}

# Create an Elastigroup
resource "spotinst_elastigroup_aws"
"foo" {
    # ...
}
```


Ocean | Serverless compute for Kubernetes

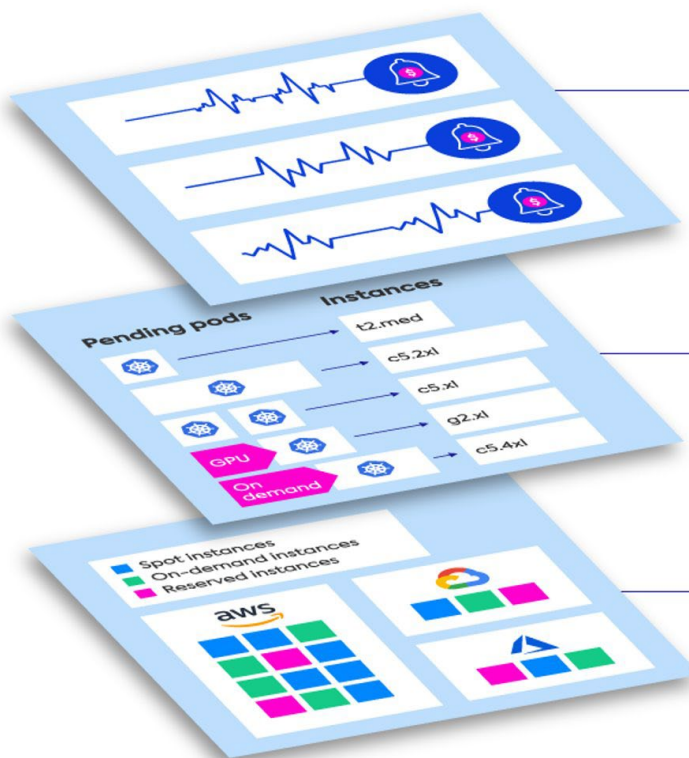
Run containers without managing servers

Ocean For Spark
Optimizing Spark
Workloads in the
Cloud

30%
Savings

40%
Savings

70%
Savings



Container right-sizing and observability

Monitor and analyze container utilization and modify in runtime their resource limitations for performance at lowest cost.

Container-driven auto scaling

Instance size, type & pricing is determined based on pod/container specifications while honoring labels, taints, tolerations, network and storage requirements.

Infrastructure provisioning & pricing

Automated infrastructure management that leverages cloud compute pricing models (spot, on demand and reserved instances) with an enterprise-level SLA for cost savings and dependable performance.

Thank you!

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Please complete the
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