#### NUTANIX

## Unifying operations in multi-cloud with Nutanix

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\$236B

Public cloud market by 2020, up from \$146B in 2017 – Forrester \*1

37%

Projected growth for laaS market in 2017, the highest for cloud services – Gartner \*2

80%

of organizations committed to hybrid architectures by 2018 – IDC \*3



<sup>1. &</sup>quot;The Public Cloud Services Market Will Grow Rapidly To \$236 Billion in 2020". Forrester. September 1, 2016.

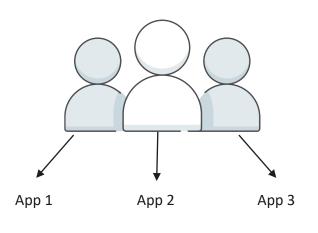
<sup>2. &</sup>quot;http://www.gartner.com/newsroom/id/3616417

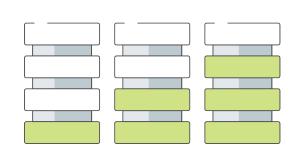
<sup>3. &</sup>quot;Enterprise Adoption Driving Strong Growth of Public Cloud Infrastructure as a Service, According to IDC." Press release. IDC. July 14, 2016.

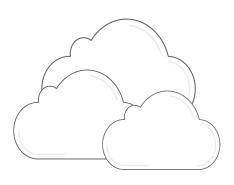


## Application Lifecycle Management getting more complex in Hybrid Cloud Environment









**Numerous Applications** 

Fragmented Ownership

**Knowledge Silos** 

**Hybrid Clouds** 

Results in complexity

App ownership is fragmented

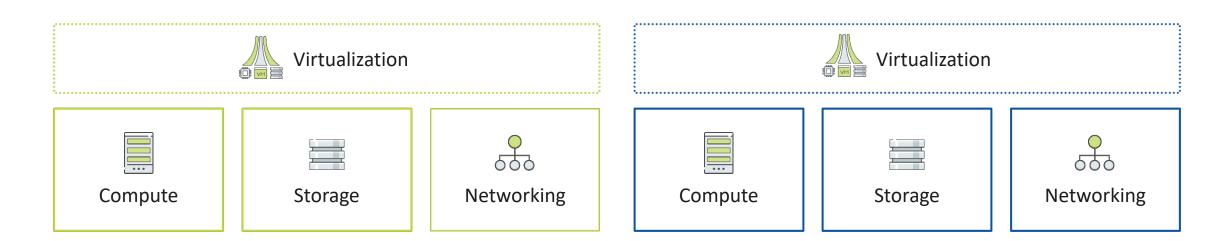
Leads to lack of productivity

Introduces management challenges



#### **Application Automation Platform for Hybrid Cloud**

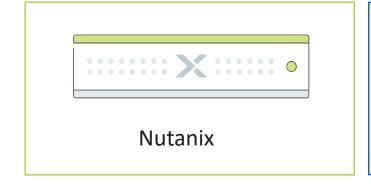
## Multi-Cloud Application Automation and Lifecycle Management

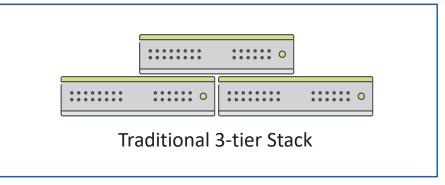


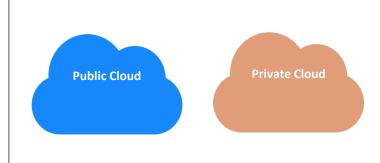


#### **Application Automation Platform for Hybrid Cloud**



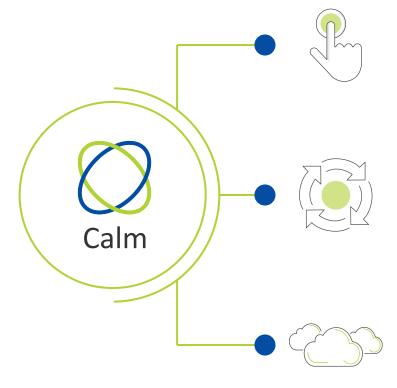








## Automate Empower Relax



#### Self-Service and Governance

One-click self-service with centralized role-based IT governance

#### DevOps

End-to-end automation of application provisioning, scaling and management

#### Multi-Cloud Optimization

Deployment of apps and centralized visibility across private and public clouds



## Automate Empower Relax

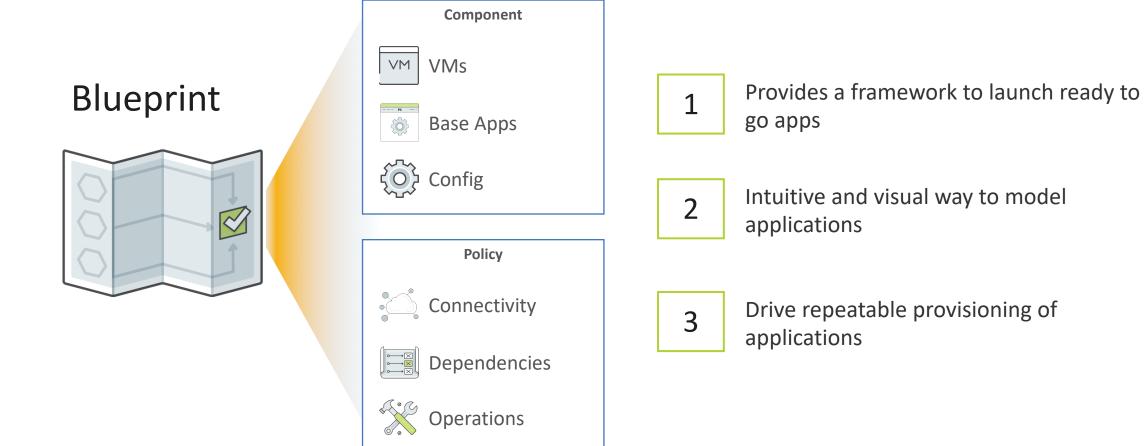


#### Self-Service and Governance

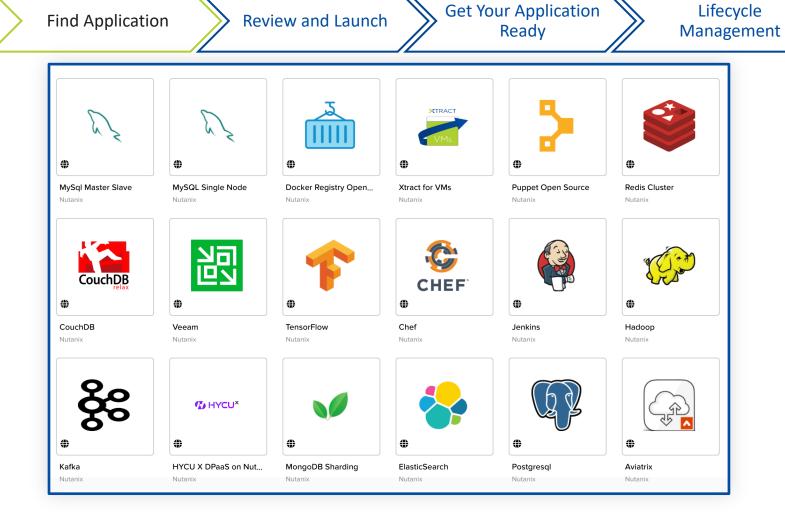
One-click self-service with centralized role-based IT governance



#### Calm Blueprints







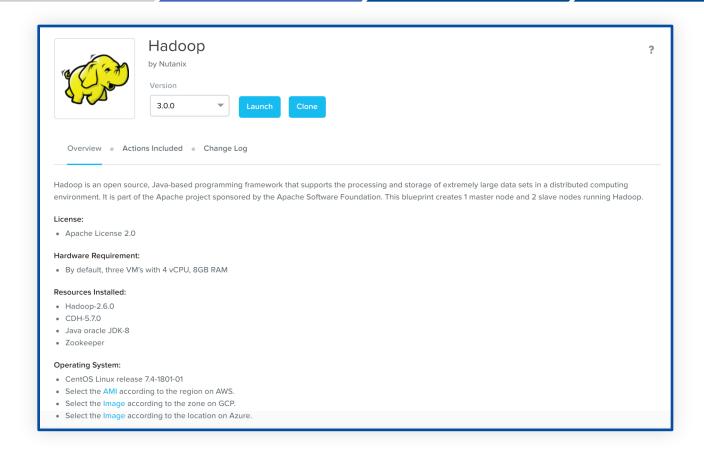


Find Application

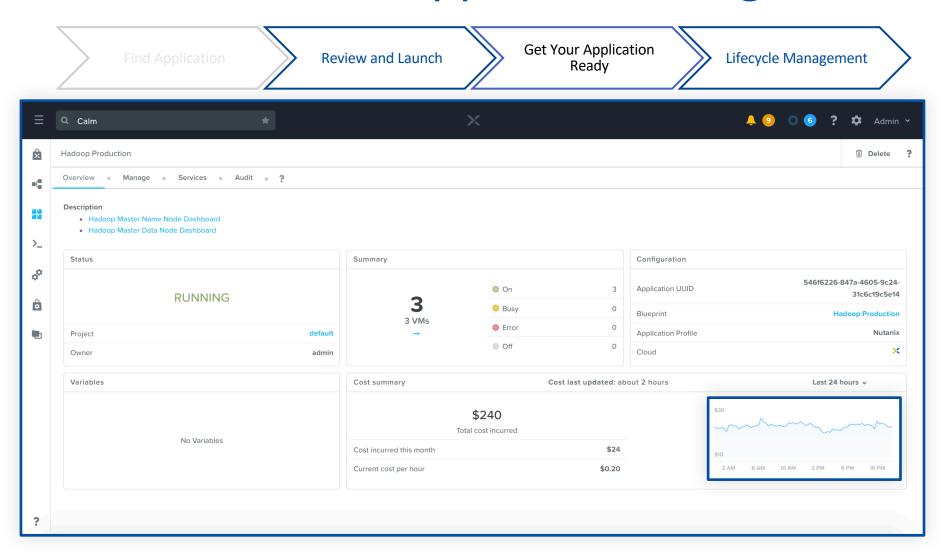
Review and Launch

Get Your Application Ready

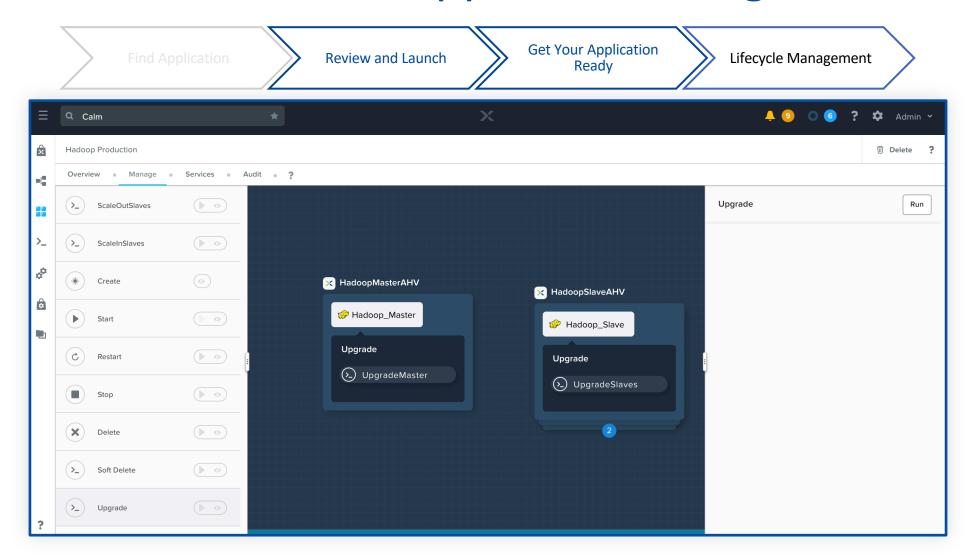
Lifecycle Management













#### Role-Based Access Controls

	Admin	<ul> <li>Add infrastructure and resources</li> <li>Define costs</li> <li>Create and manage projects</li> </ul>
	Developer	Create and publish blueprints
	Consumer	Launch application from marketplace
	Operator	<ul> <li>Perform lifecycle actions on running applications</li> </ul>



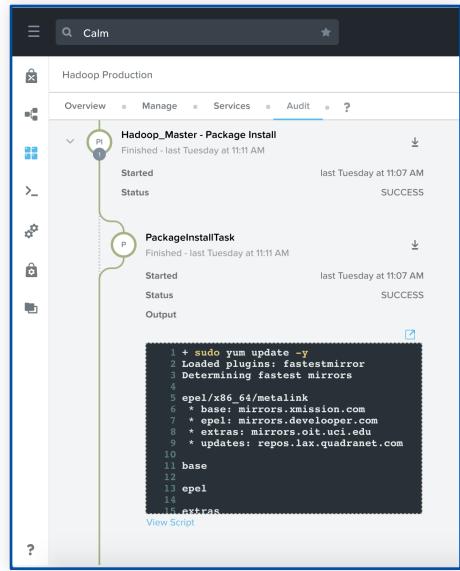
#### **End-to-End Audits**

1

Every action and the response is logged

2 Identify who did what and why across environments

Export logs to your choice of logging system for archival





#### **On-Prem Resource Cost**

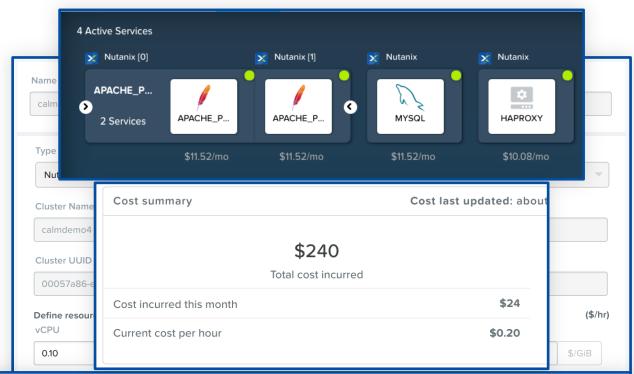
1

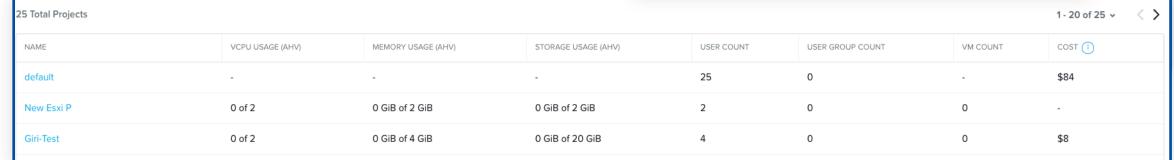
Define vCPU/Memory/Storage cost for On-Premise cloud

2

Analyze cost

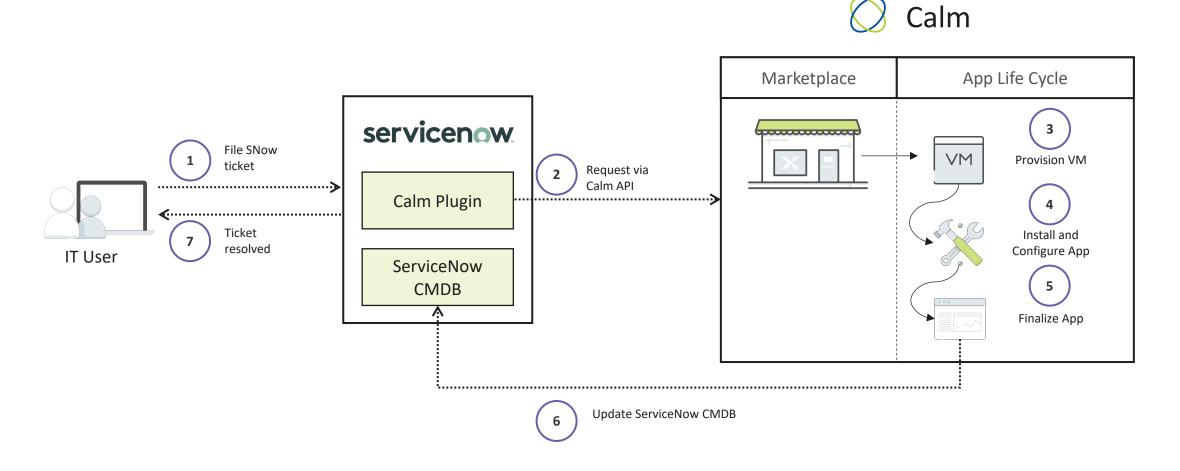
- Per VM
- Per App
- Per Project





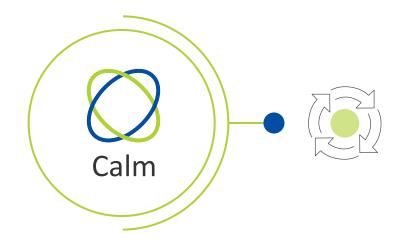


#### Use Case: Self Service via IT Service Desk





## Automate Empower Relax

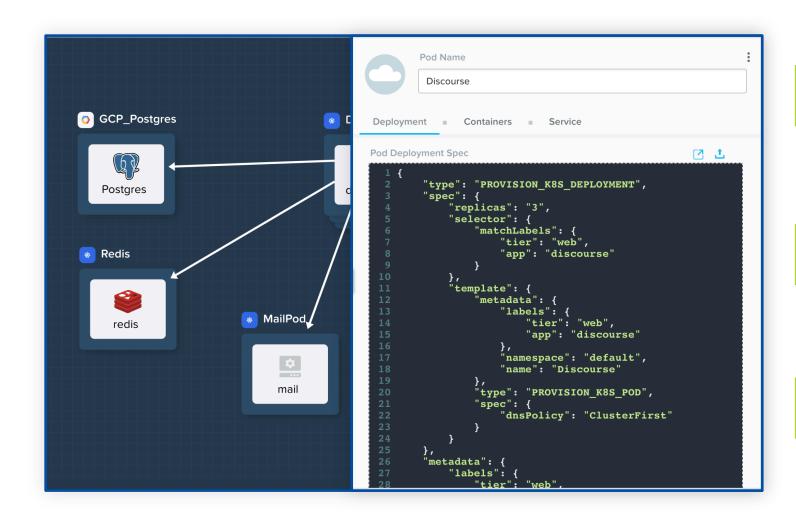


#### DevOps

End-to-end automation of application provisioning, scaling and management



#### **Kubernetes with Calm**



Supports Vanilla K8s API,

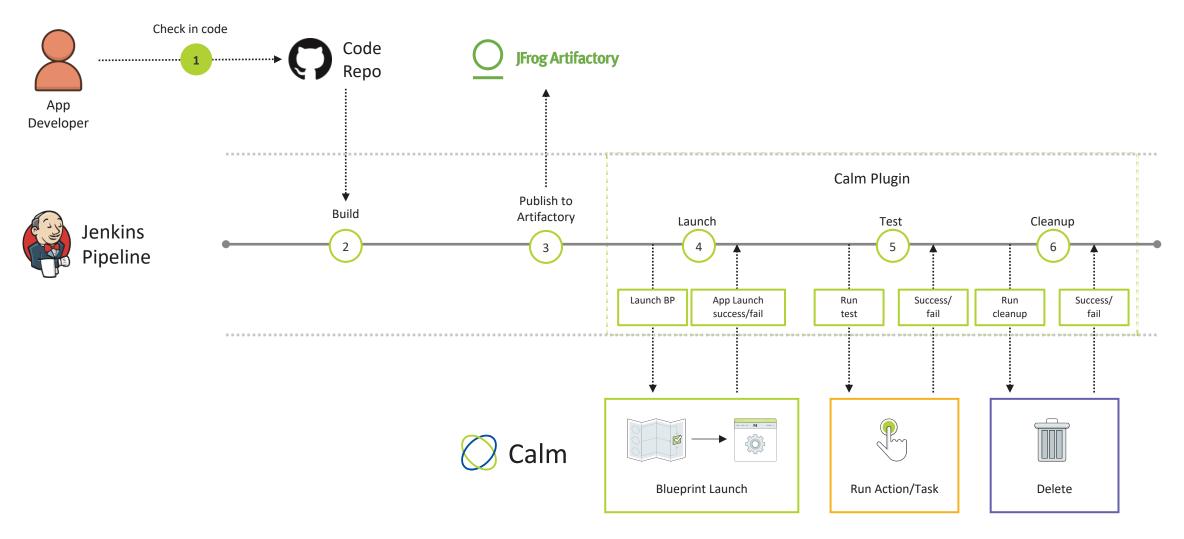
Karbon, Public K8s Services

2 Combined Life Cycle
Management of VMs and
Kubernetes Pods in a single
blueprint

Manage Kubernetes
deployments and services using spec editor

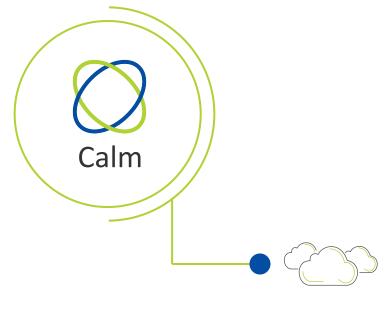


#### Use Case: CI/CD Using Calm and Jenkins





## Automate Empower Relax



#### **Multi-Cloud Optimization**

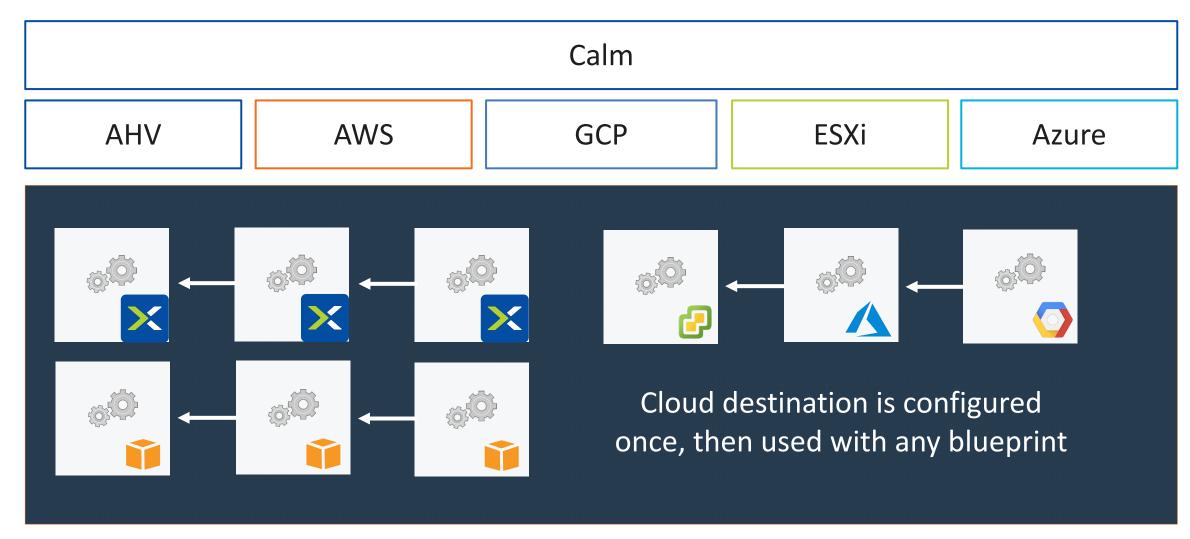
Deployment of apps and centralized visibility across private and public clouds



#### Mix and Match Clouds **Public** Clouds Microsoft **Azure** Google Cloud Platform Freedom to Private Choose Clouds **Nutanix AHV** Container **Platforms kubernetes** Google Kubernetes Engine

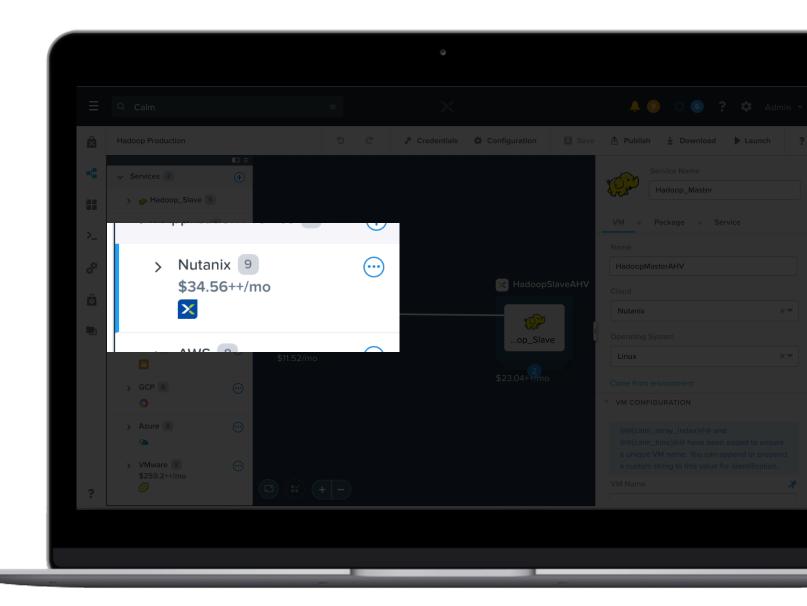


#### Define Apps Once, Use Everywhere with Profiles



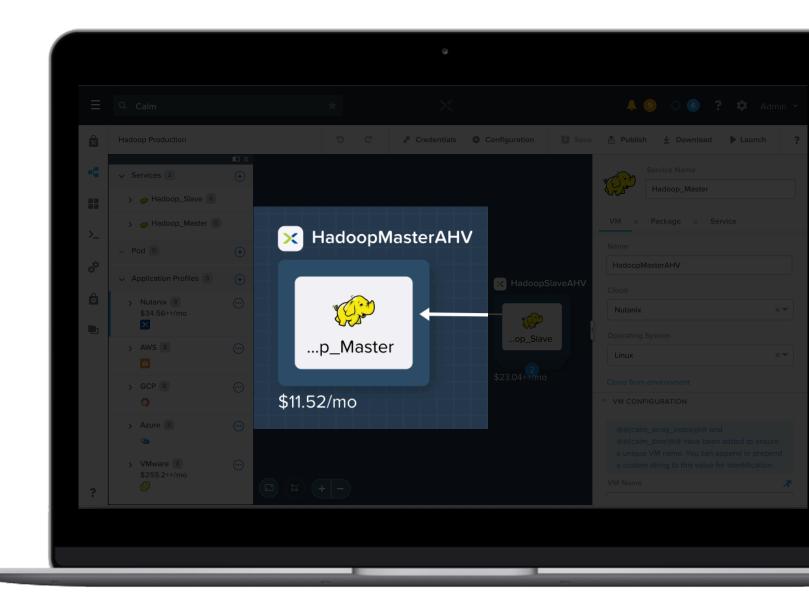


Define
multi-cloud app
configuration in
blueprint



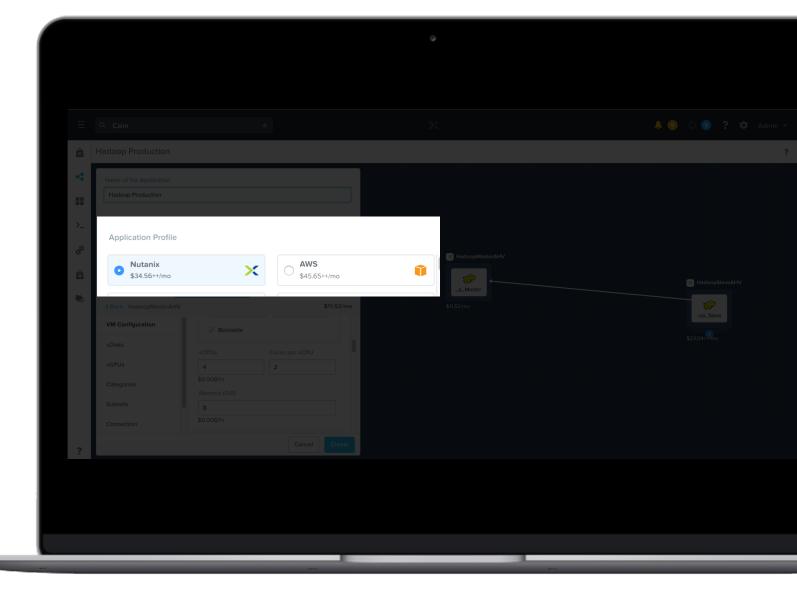


Define multi-cloud app configuration in blueprint



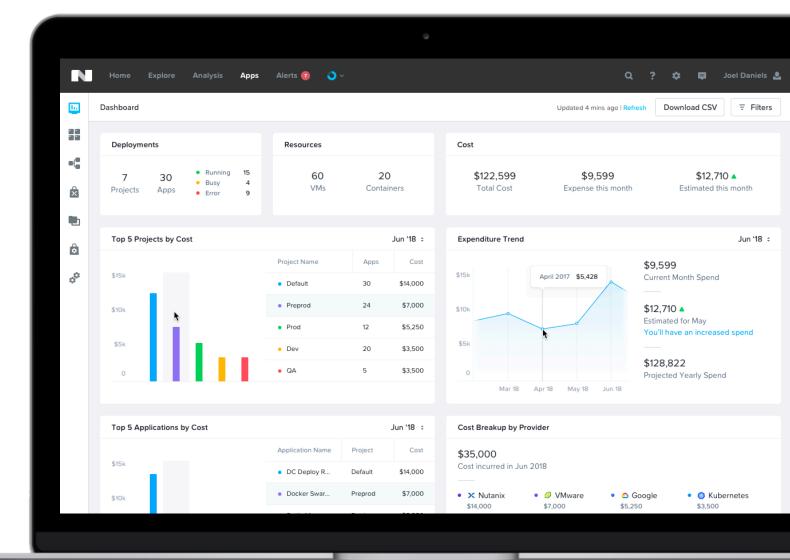


# Compare cloud costs before application launch





# Understand the cost of resource using Showback





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