A person is running on a paved path that leads into the distance. The scene is bathed in the warm, golden light of a sunset or sunrise, with long shadows cast on the ground. The background is slightly blurred, emphasizing the runner and the path.

# Fast Track deployment of Multicloud environments



**DELL**Technologies

# What are the Challenges ?



Time to Build a Cloud



Manage Multiple Clouds



Our approach to fight the time  
to build a Cloud environment

# Build or buy - What is a Ready Bundle?

Dell EMC Ready Solutions are meticulously crafted solutions for superior business outcomes

## KEY PRIORITIES

HPC



Data Analytics



Business Apps



Software Defined Infra.



Hybrid Cloud



## READY Nodes

### Not just a bare server

- Tested & validated
- Deployment guides
- Sizing guides
- Factory or merge center configuration
- Accelerated quoting



## READY Bundles

### Not just a bundle

- Tested & validated
- Deployment guides
- Sizing guides
- Deployment services
- Accelerated quoting
- Additional value adds (ie Benchmarking)



## READY Systems

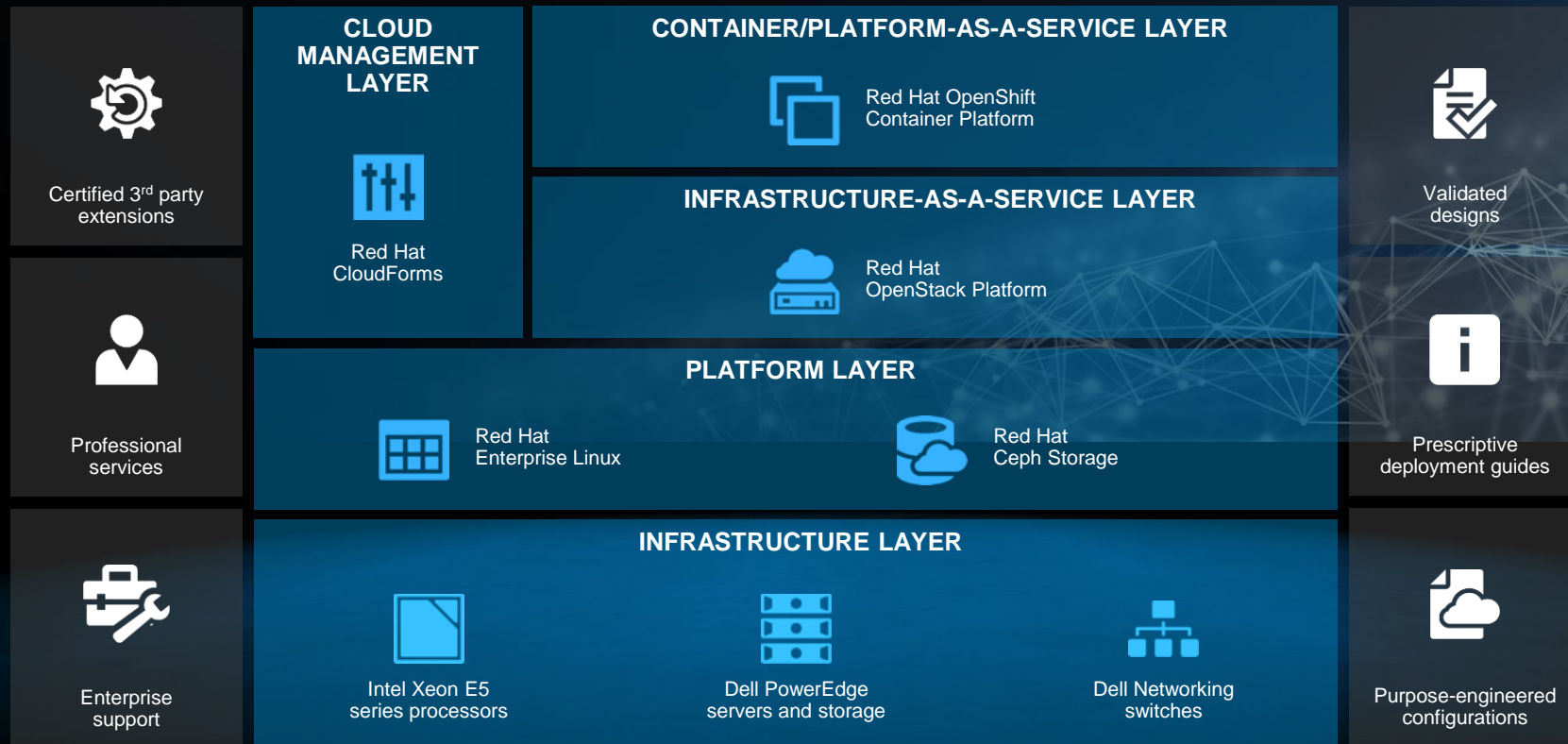
### Not just a Block, Rack, Rail

- Workload validation & certification on top of Engineered Systems
- Deployment guides
- Sizing guides
- Additional value adds (ie related docs & tools)

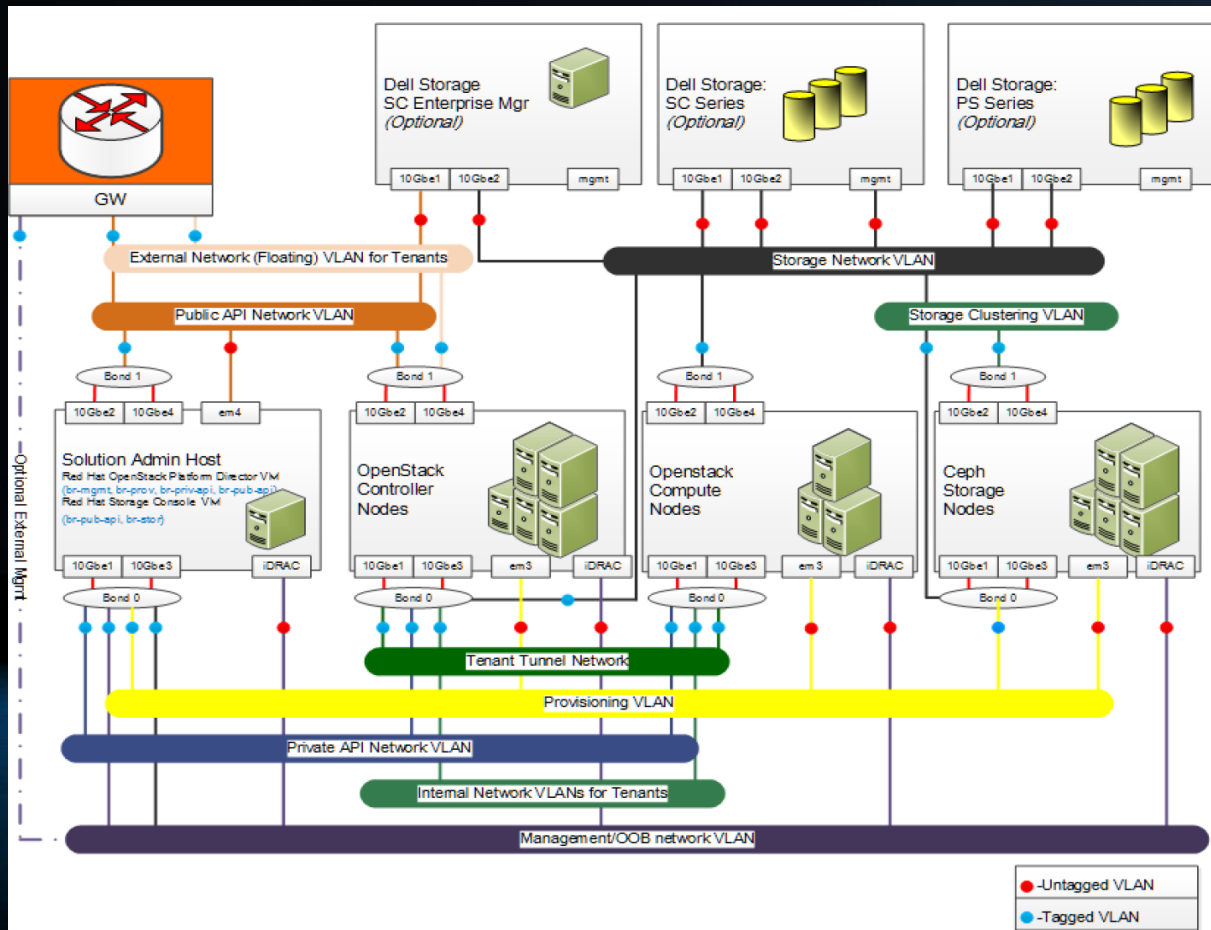


OpenStack Solution

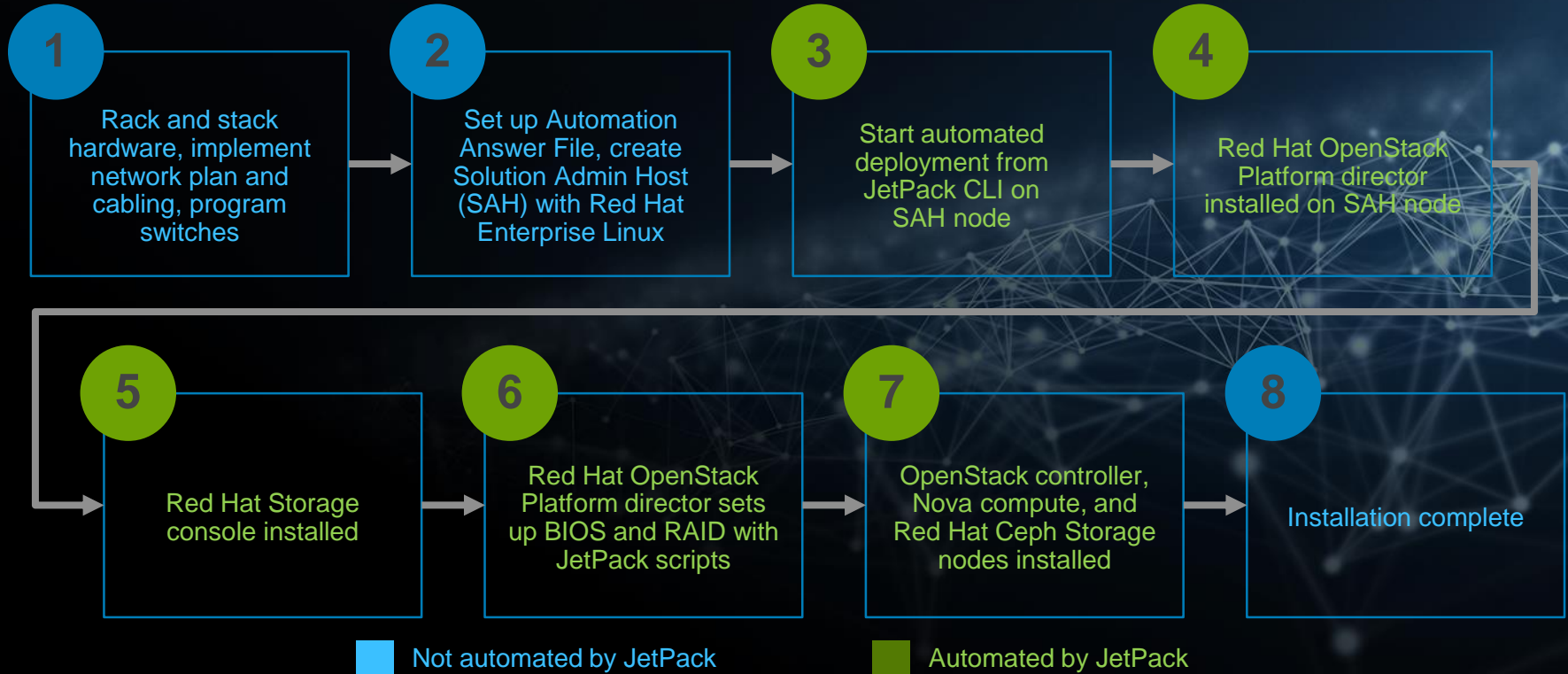
# Solution architecture



# Solution Architecture



# JetPack automated deployment sequence



# And the Winner is...?

SPEC Cloud – The industry's first standardized IaaS Cloud benchmark

**Only Dell EMC!**


SPEC Cloud IaaS 2016 Benchmark			
Copyright © 2016 Standard Performance Evaluation Corporation			
Cloud Vendor: Dell Inc. Cloud Type / SUT Type: private/whitebox Hardware Platform: x86_64 Hypervisor: KVM Cloud Infrastructure: <u>Red Hat Enterprise Linux Openstack Platform 7</u>		<b>Scalability: 10.3 @ 10 Application Instances</b> <b>Elasticity: 63.0%</b> <b>Mean Instance Provisioning Time: 163s</b>	
Tested by: Dell OpenSource Solutions		SPEC Licence Number : 999	Test Date : Apr-2016
<b>Performance Sections</b> <a href="#">Performance Summary</a> <a href="#">Performance Details</a> <a href="#">Validation, Errors, and Issues</a> <a href="#">Glossary of Terms</a>	<b>SUT Configuration Sections</b> <a href="#">Instance Configuration</a> <a href="#">Cloud Configuration</a> <a href="#">Network Configuration</a> <a href="#">Storage Configuration</a>	<b>Elasticity + Scalability Phase Date/Time and Test Region</b> Elasticity + Scalability Start Time: 2016-03-05_17:33:51_UTC Elasticity + Scalability End Time: 2016-03-05_18:19:59_UTC Test Region: US Central Time Zone	<b>Cloud Informational Metrics</b> AI Provisioning Success: 100.00% AI Run Success: 100.00 Total Instances: 65
SPEC Cloud IaaS 2016 Benchmark			
Copyright © 2016 Standard Performance Evaluation Corporation			
Cloud Vendor: Dell Inc. Cloud Type / SUT Type: private/whitebox Hardware Platform: x86_64 Hypervisor: KVM Cloud Infrastructure: <u>Red Hat Enterprise Linux Openstack Platform 8</u>		<b>Scalability: 29.5 @ 20 Application Instances</b> <b>Elasticity: 71.9%</b> <b>Mean Instance Provisioning Time: 135s</b>	
Tested by: Dell Revolutionary Cloud and Big Data		SPEC Licence Number : 999	Test Date : Jun-2016
<b>Performance Sections</b> <a href="#">Performance Summary</a> <a href="#">Performance Details</a> <a href="#">Validation, Errors, and Issues</a> <a href="#">Glossary of Terms</a>	<b>SUT Configuration Sections</b> <a href="#">Instance Configuration</a> <a href="#">Cloud Configuration</a> <a href="#">Network Configuration</a> <a href="#">Storage Configuration</a>	<b>Elasticity + Scalability Phase Date/Time and Test Region</b> Elasticity + Scalability Start Time: 2016-06-08_22:08:14_UTC Elasticity + Scalability End Time: 2016-06-08_23:33:38_UTC Test Region: US Central Time Zone	<b>Cloud Informational Metrics</b> AI Provisioning Success: 86.96% AI Run Success: 100.00 Total Instances: 131

Reference ID: run21



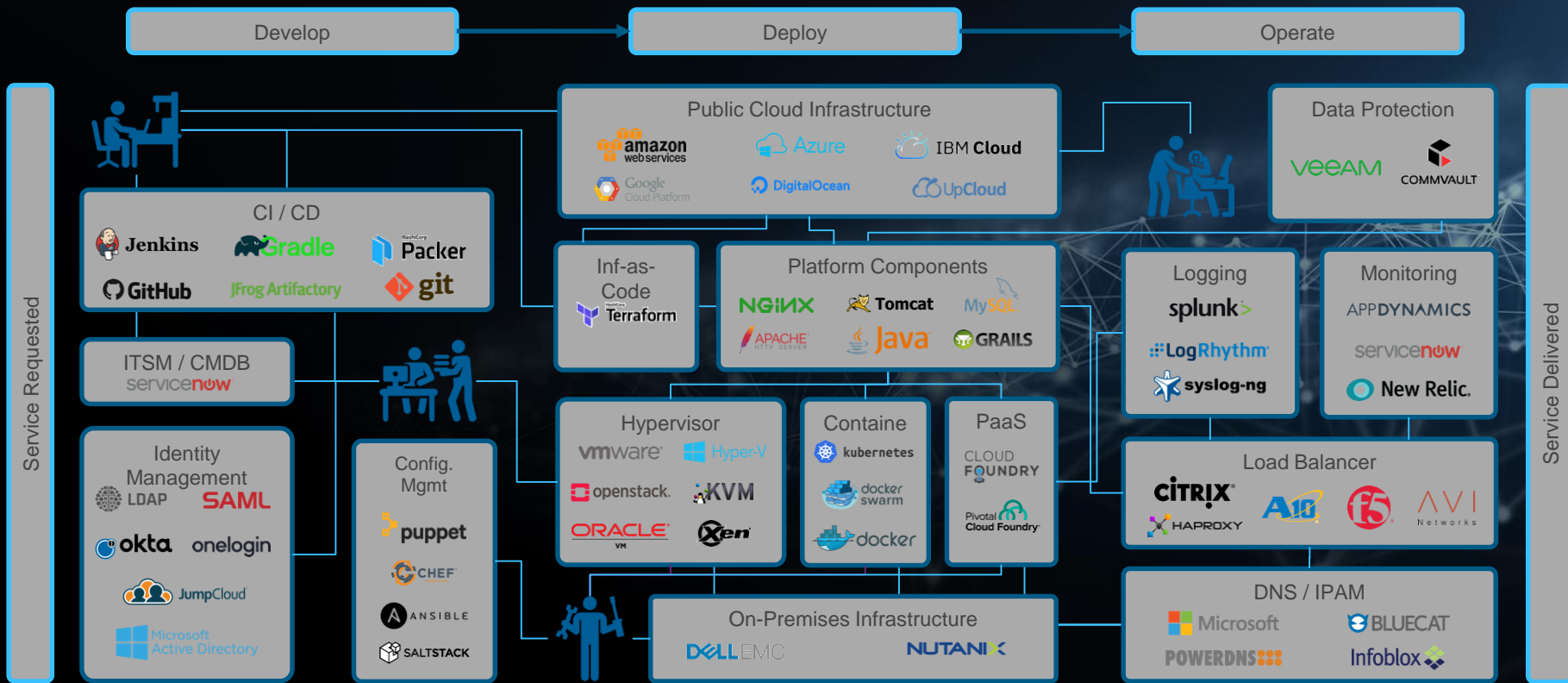
# Dell EMC: Hybrid Cloud Infrastructures



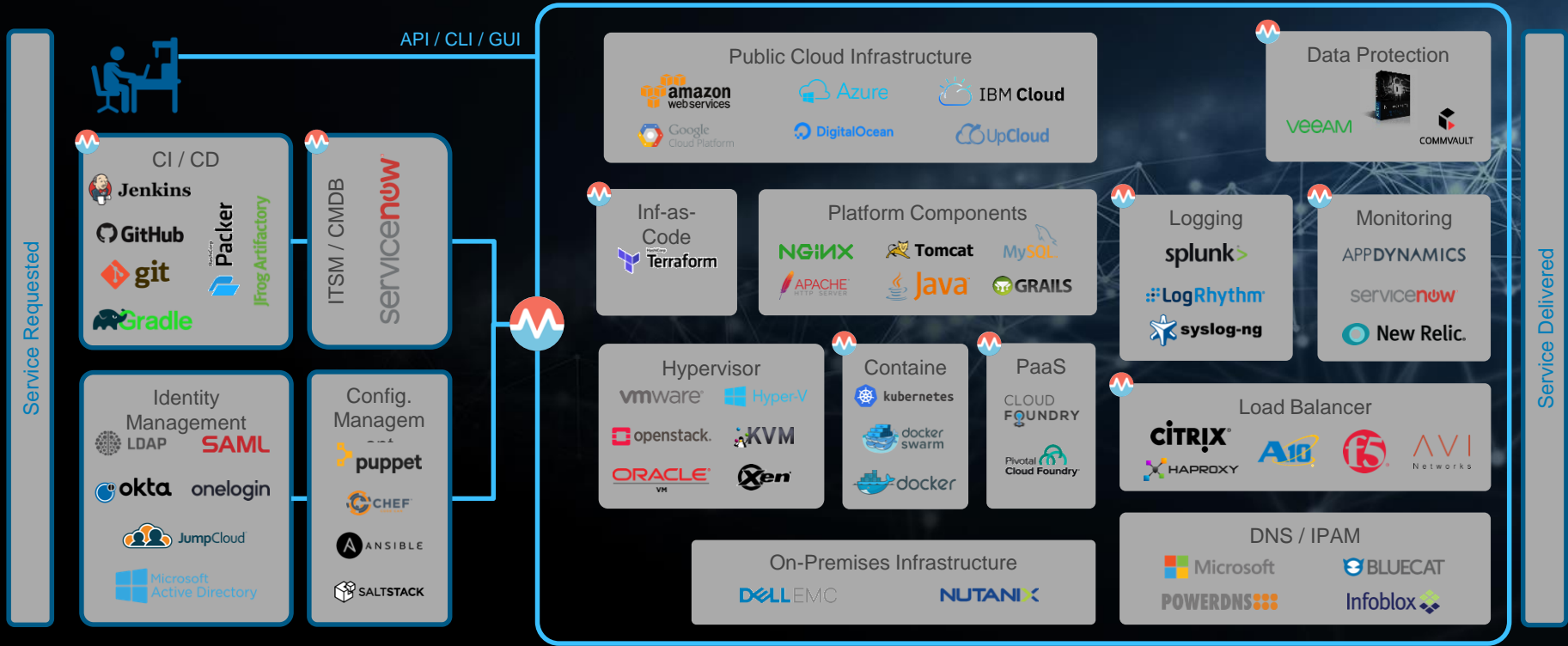


And now oh sh...  
We have clouds!

# Multi Cloud = multiple times the complexity ?



# Cloud Management Platform as the Solution





B2/B3

The Dell EMC logo is centered on the page. It features the word "DELL" in a bold, sans-serif font, followed by "EMC" in a similar font. The "E" in "DELL" is stylized with three diagonal lines. The background is dark blue with a network of white lines and dots on the right side, suggesting a digital or data network.

DELL EMC