# CONVERGED INFRASTRUCTURE AND ICEE 1.0

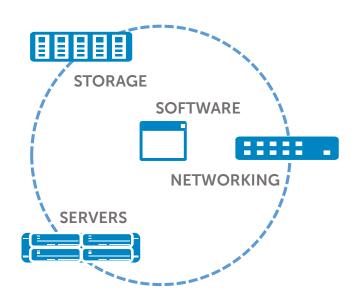
EDG and ESG





Servers.
Storage.
Networks.
+Software.

Converged.





\$30,000,000,000 Michael wants half.

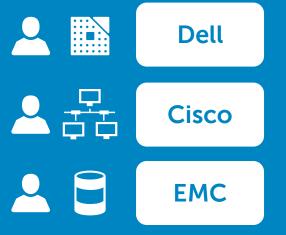


# Business needs define IT operational models

# FREEDOM

(Configurability & best-of-breed)

Traditional IT model requires a variety of IT specialists



Heterogeneous (DIY best-of-breed)

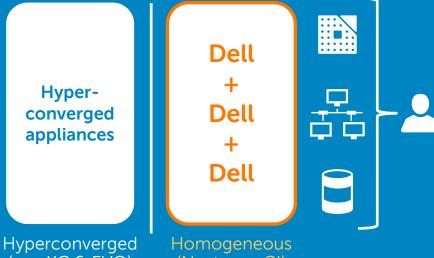
Dell Dell Dell Homogeneous (i.e. Dell-on-Dell)



# **SIMPLICITY**

(Agility & predictability)

Highly-integrated CI drives generalist capabilities



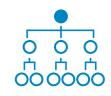
(e.g. XC & EVO)

(Next-gen CI)

# Enabling the next generation of converged IT

#### Differentiated features









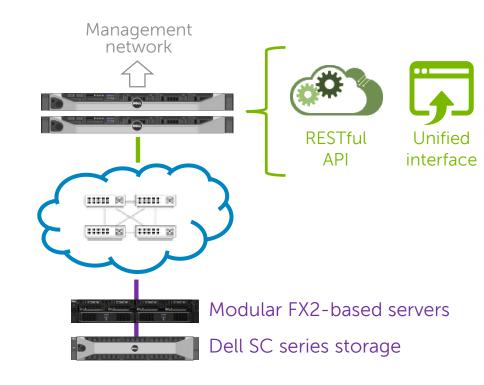
User-defined performance



Seamless storage integration



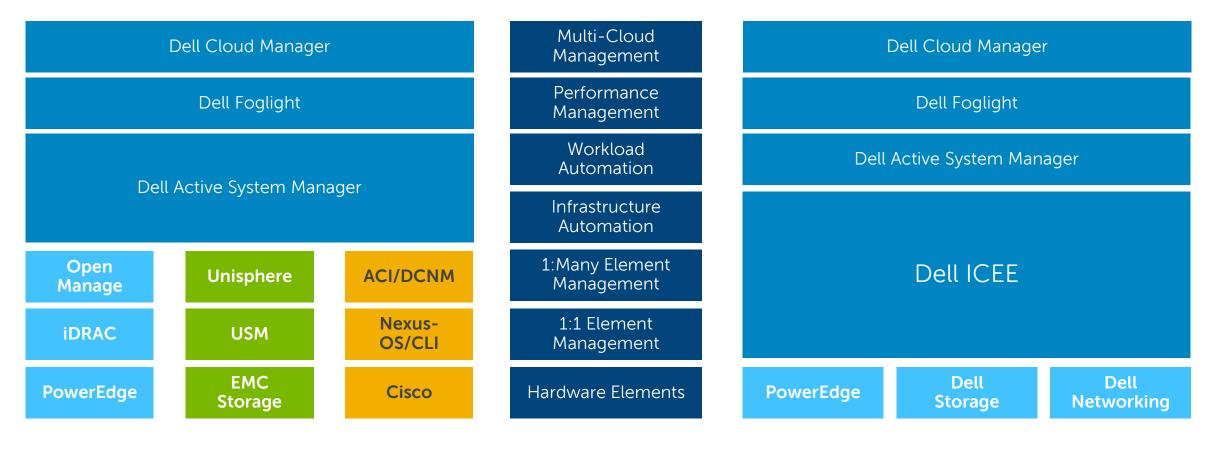
#### Streamlined architecture



Delivering a hyper-converged experience without compromising flexibility, performance or scalability

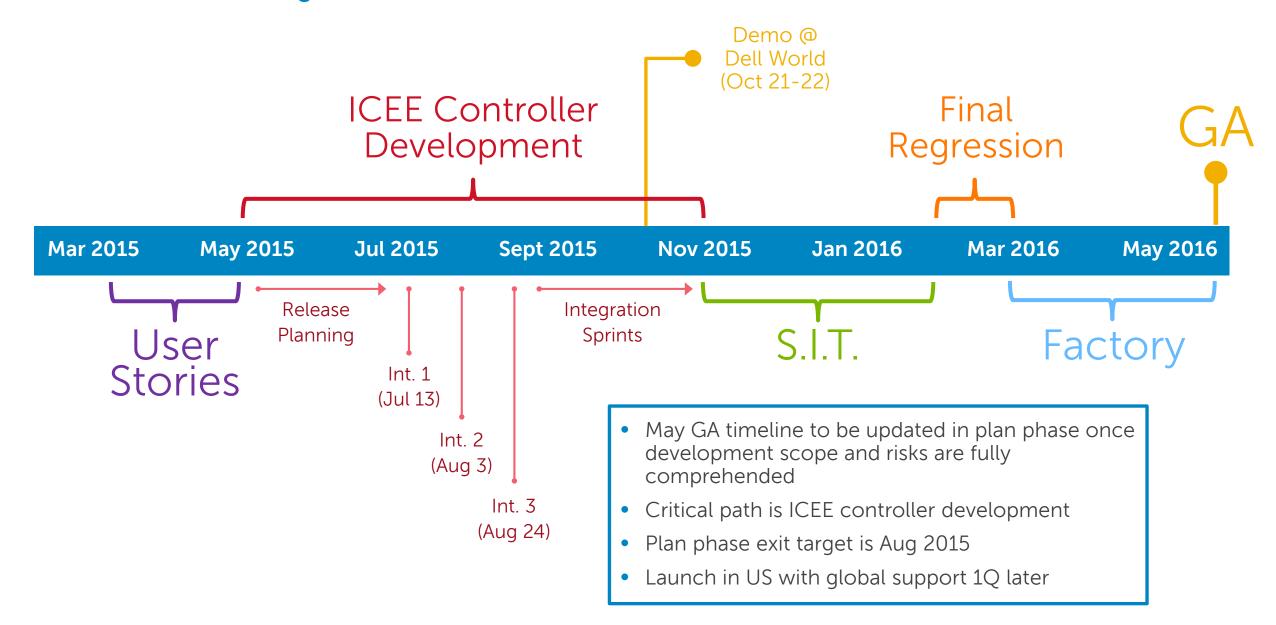


# ICEE in the pan-Dell data center portfolio



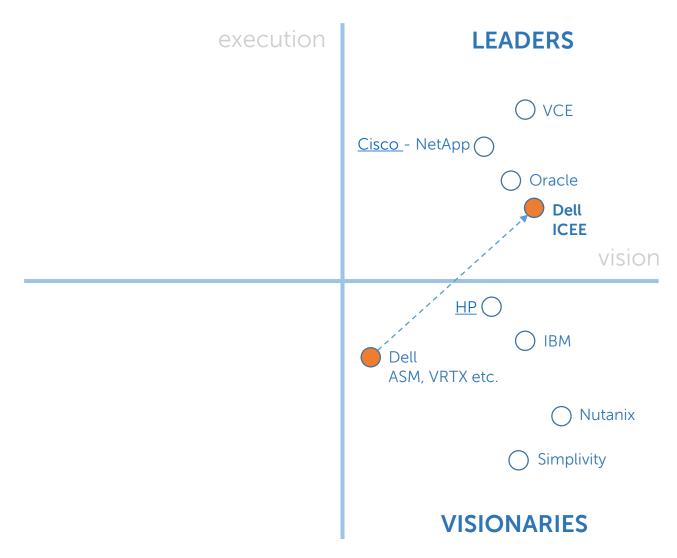
ICEE complements existing portfolio & makes mainstream infrastructure more transparent than ever before

# Preliminary ICEE 1.0 timeline





#### ICEE PROGRAM COMPETITION



Gartner's magic quadrant for CI, 2014

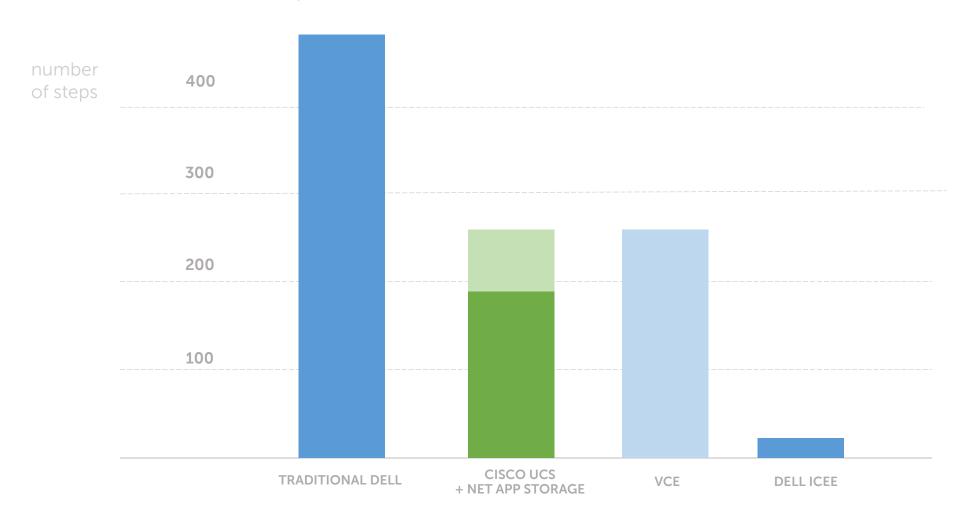
#### **GAPS**

- Complex setup
- Services engagement
- Complicated user interface
- Requires IT Specialists
- Multiple management interfaces
- Hundreds of steps and 5+ tools



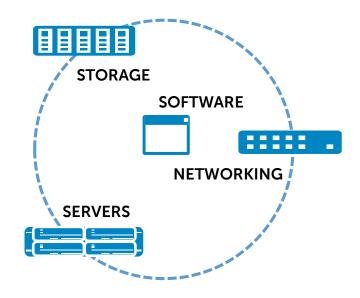
#### ICEE PROGRAM OPPORTUNITY

SCENARIO Install & Setup Chassis, Blades and VMware™ ESXi Cluster.



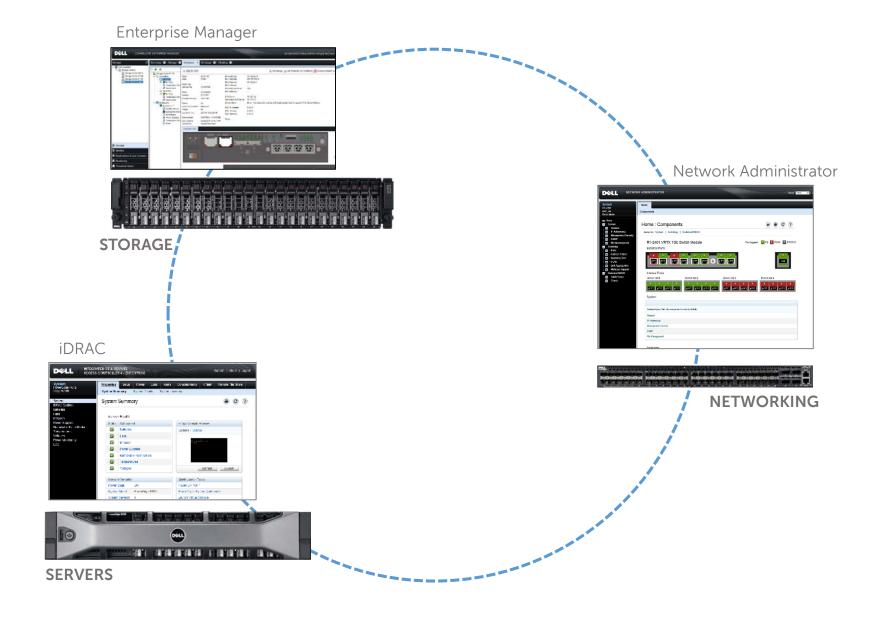


# Magically powerful. Seamless transparency.



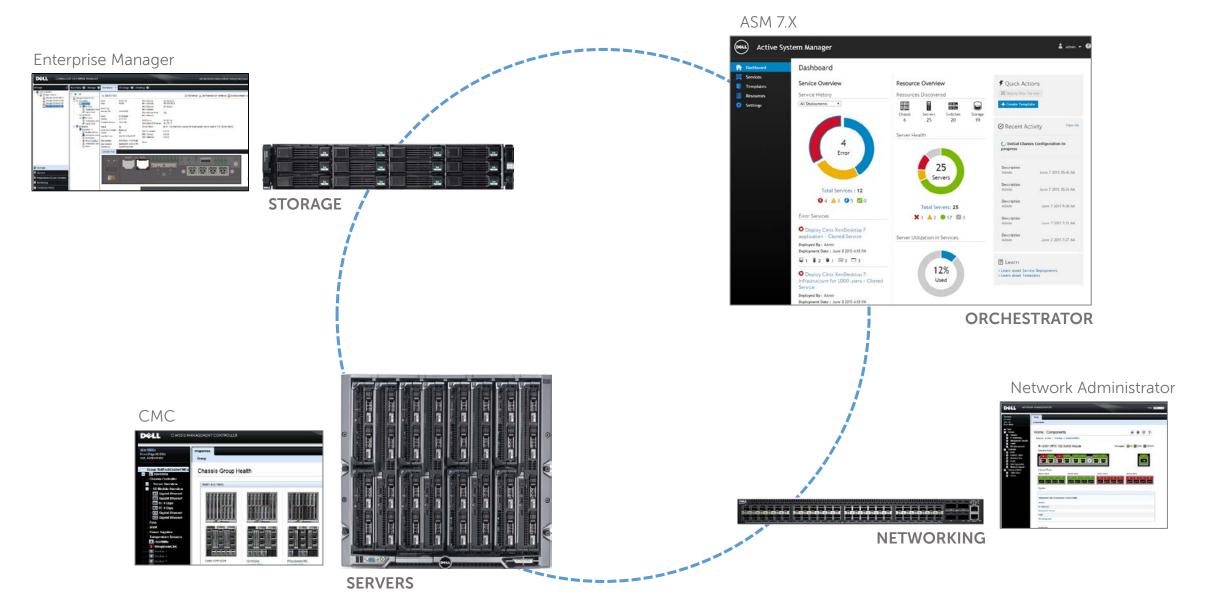


#### ELEMENT MANAGERS



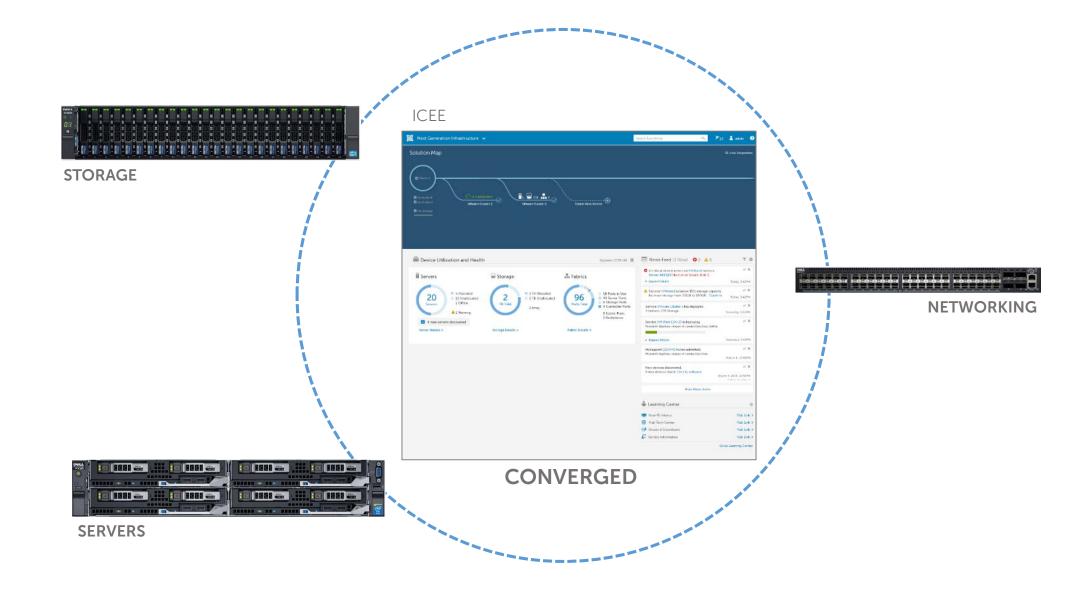


#### ORCHESTRATORS





#### SINGLE PLANE OF GLASS





#### **USER** INSIGHTS

# Cut time to deployment

Less clicks and time to setup the solution

#### Radically Simple

Right amount of content at the right time

#### Automate, Automate

Just go ahead and do it for me

### Keep me in control

Empower the IT Generalist

## **Constant User Conversation**

Continuous user research and validation

#### **DESIGN** PRINCIPLES

## **Progressive Architecture**

Layered flow and dynamic navigation, meaningful transitions

## Content, not Chrome

Prioritize real estate on controls and displays, not application UI

## Clean and Clear

Reduced visual noise and ornamentation, increased consistency

# Actionable Insight

Supporting user decision-making with Insightful BI

#### Next Gen Visual Design

Cross-Dell visual design aligned to entire portfolio



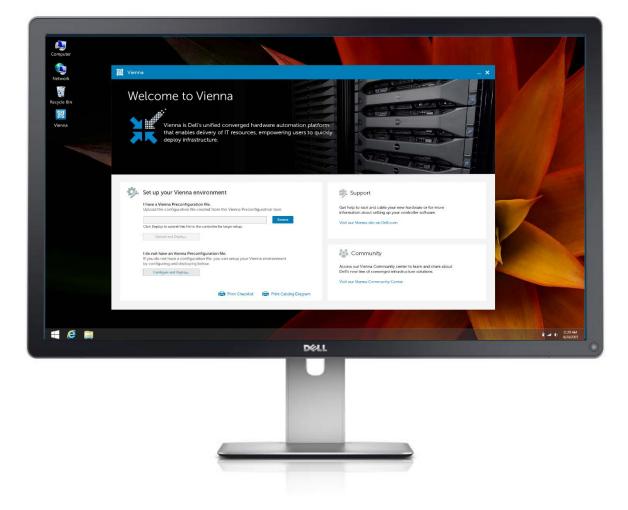
Cut time to deployment

Radical Simplicity Automate, Automate Keep me in control

Progressive Architecture

ontent, not Chrome Clean an Clear Actionable Insight

#### Preconfiguration Tool





Cut time to deployment

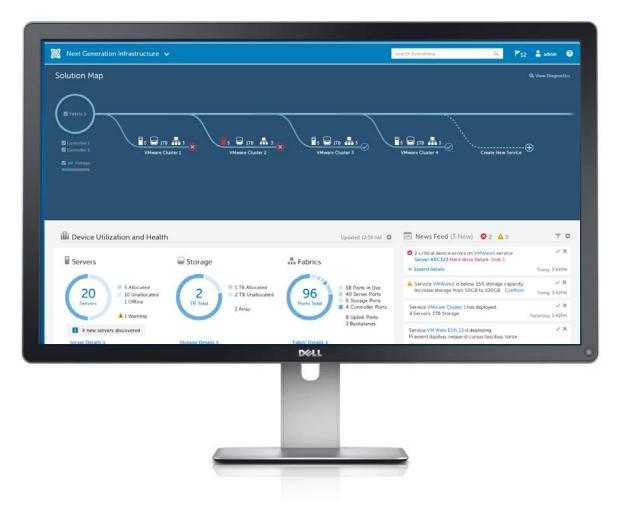
Progressive Architecture Radically Simple

Content, not Chrome Automate, Automate

Clean and Clear Keep me in control

Actionable Insight

#### Dashboard





Cut time to deployment

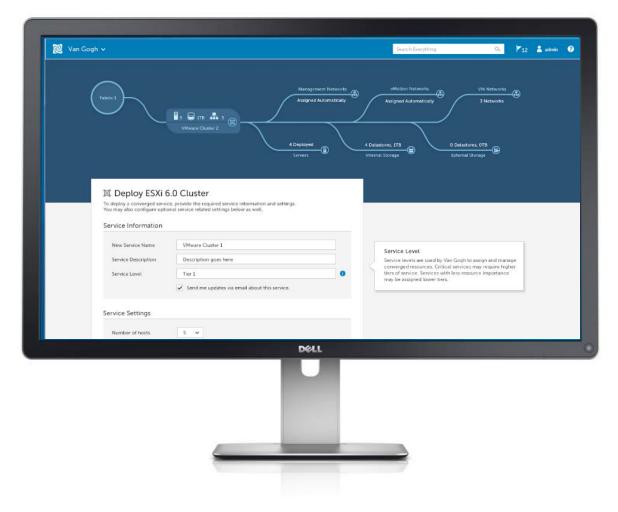
Radical Simplicity Automate, Automate Keep me in control

Progressive Architecture

Content, not Chrome Clean and Clear

Actionable Insight

#### Service Deployment



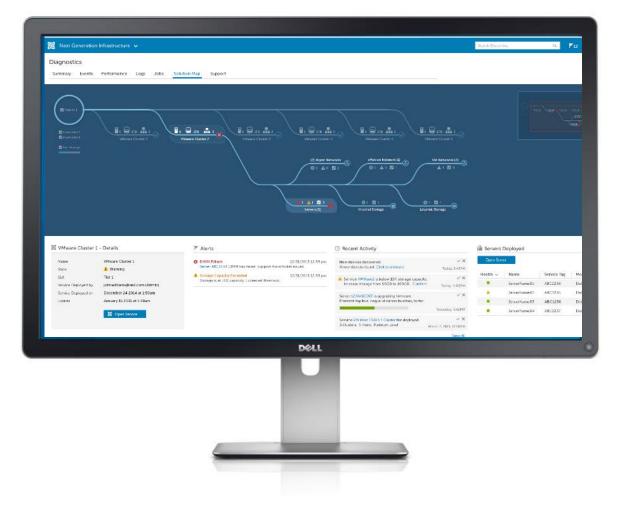


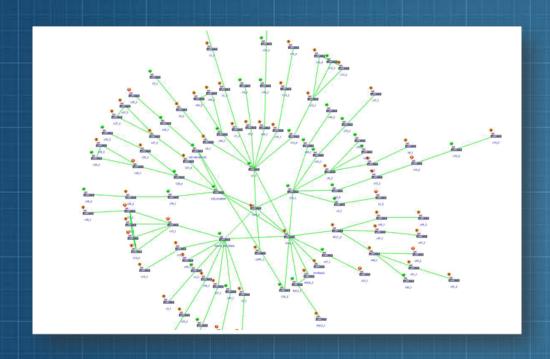
Cut time to deployment

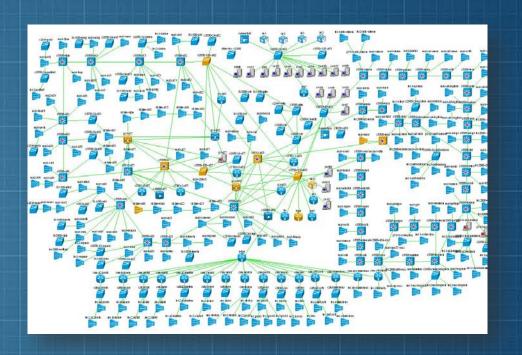
Radical Simplicity Automate, Automate Keep me in control

Progressive Architecture Content, not Chrome lean and Clear Actionable Insight

#### Diagnostics









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#### CONNECTIONS



CONTENT





"Plain and simple, not over complicated...it's perfect..."



# DEMO

# WHAT'S NEXT?

# A&Q

# Appendix







#### Dashboard









Status



Status

**○**0 **△**0 **✓**3

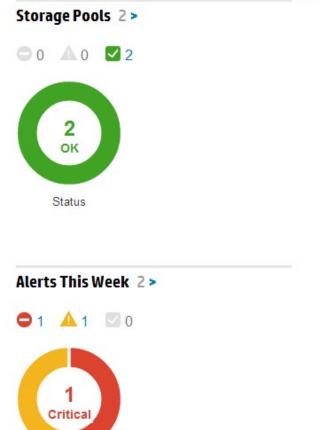
Server Hardware 14 > ×

Populated blade bays 16 >









Enclosures 1>

**○**1 **△**0 **☑**0



Status



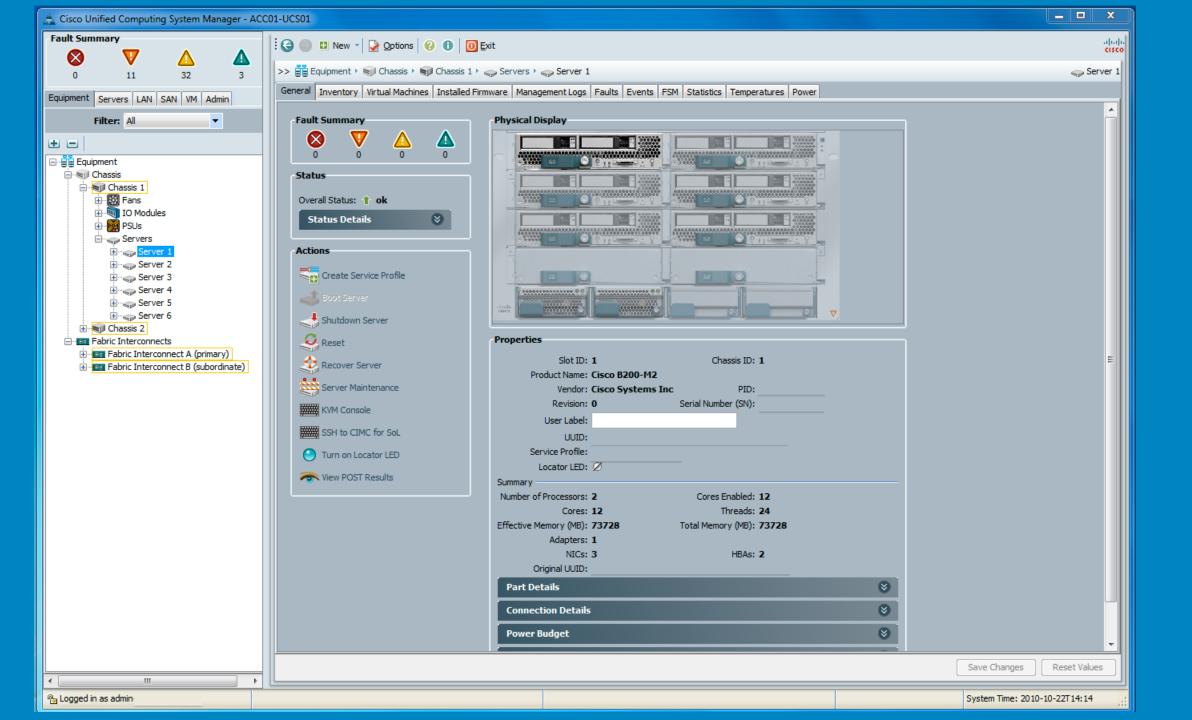
Populated blade bays



Logical Interconnects 1>

Status

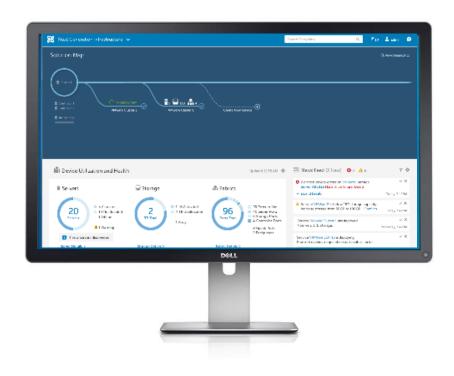






#### ICEE PROGRAM EDG ROLE

Software research, design and implementation



Industrial design update for controllers and backplanes



#### **VANGOGH** ID UPDATE

Product badging
Port labeling
Port block offs













#### ICEE PROGRAM OVERVIEW

#### INTEGRATED COMPUTE EXPERIENCE for ENTERPRISE









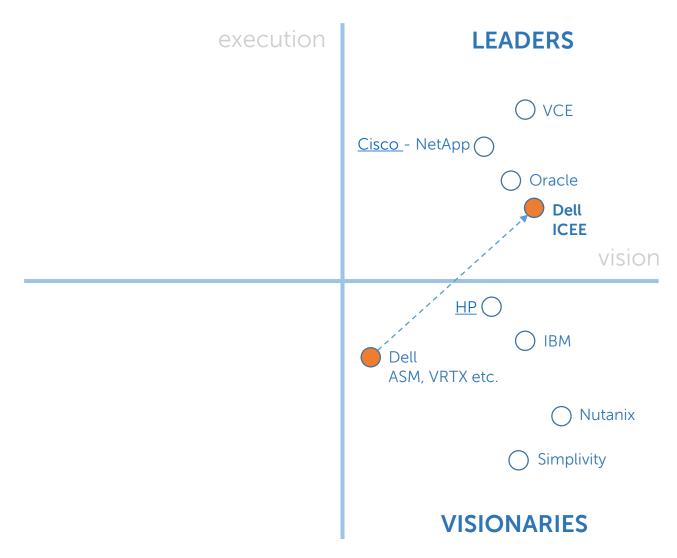




ICEE (Integrated Compute Experience for Enterprise) is a pan-Dell converged infrastructure solution that **fully integrates select server**, **storage**, **networking**, **and software assets** into a massively simplified and unified platform, delivering unique customer benefits for mainstream enterprise workloads



#### ICEE PROGRAM COMPETITION



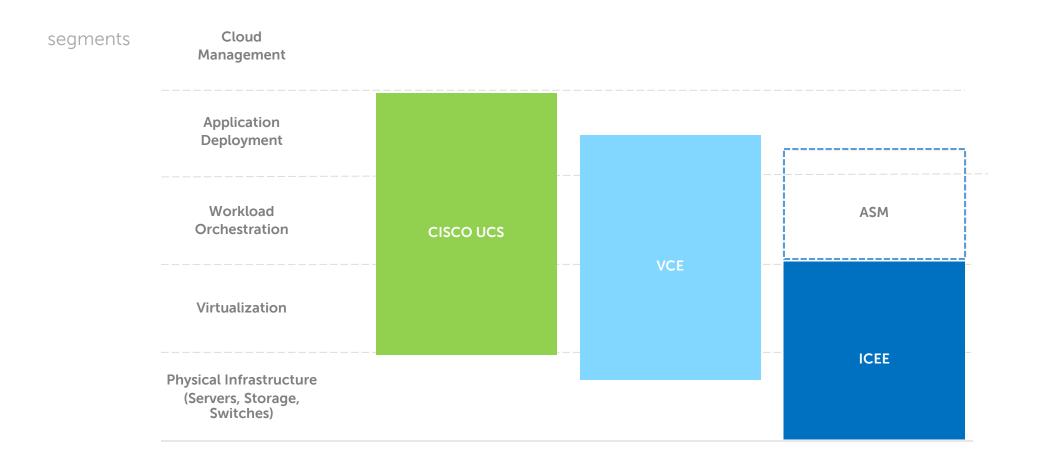
Gartner's magic quadrant for CI, 2014

#### **GAPS**

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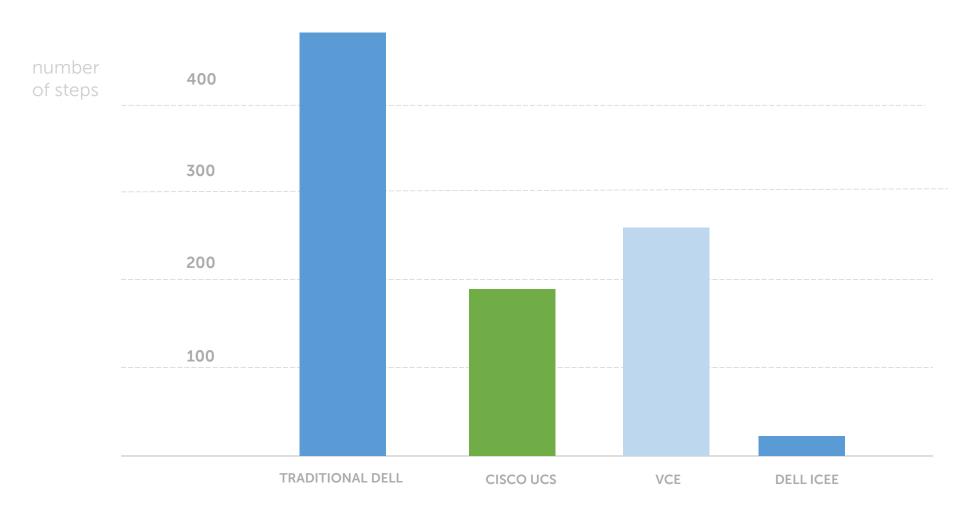
#### ICEE PROGRAM POSITIONING





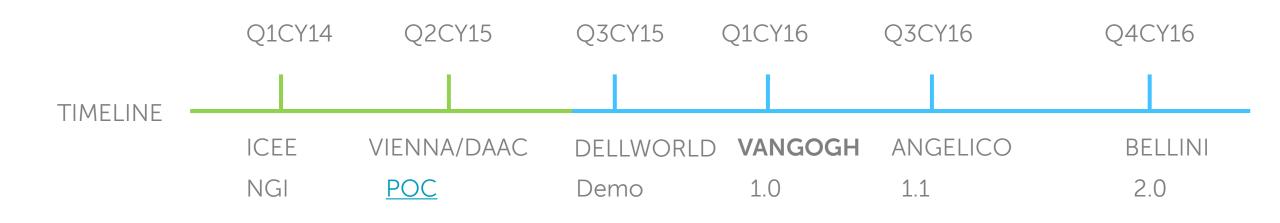
#### ICEE PROGRAM TARGET

SCENARIO Deploy a service for a VMware™ server cluster with integrated storage and networking.





#### ICEE PROGRAM TIMING



IDEATE Stage INCUBATE Stage

CONCEPT Stage DEFINE PHASE PLANNING PHASE DEVELOP PHASE

LAUNCH PHASE



1QCY16 - 1.0 4QCY16 - 2.0