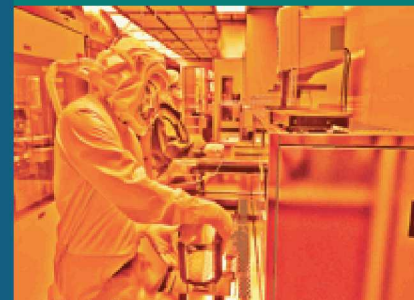SAND2019-3961C

# Public Cloud: Adoption, Workforce, Workloads

SAND TBD

PRESENTED BY

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AWS DOE Fusion Summit VI

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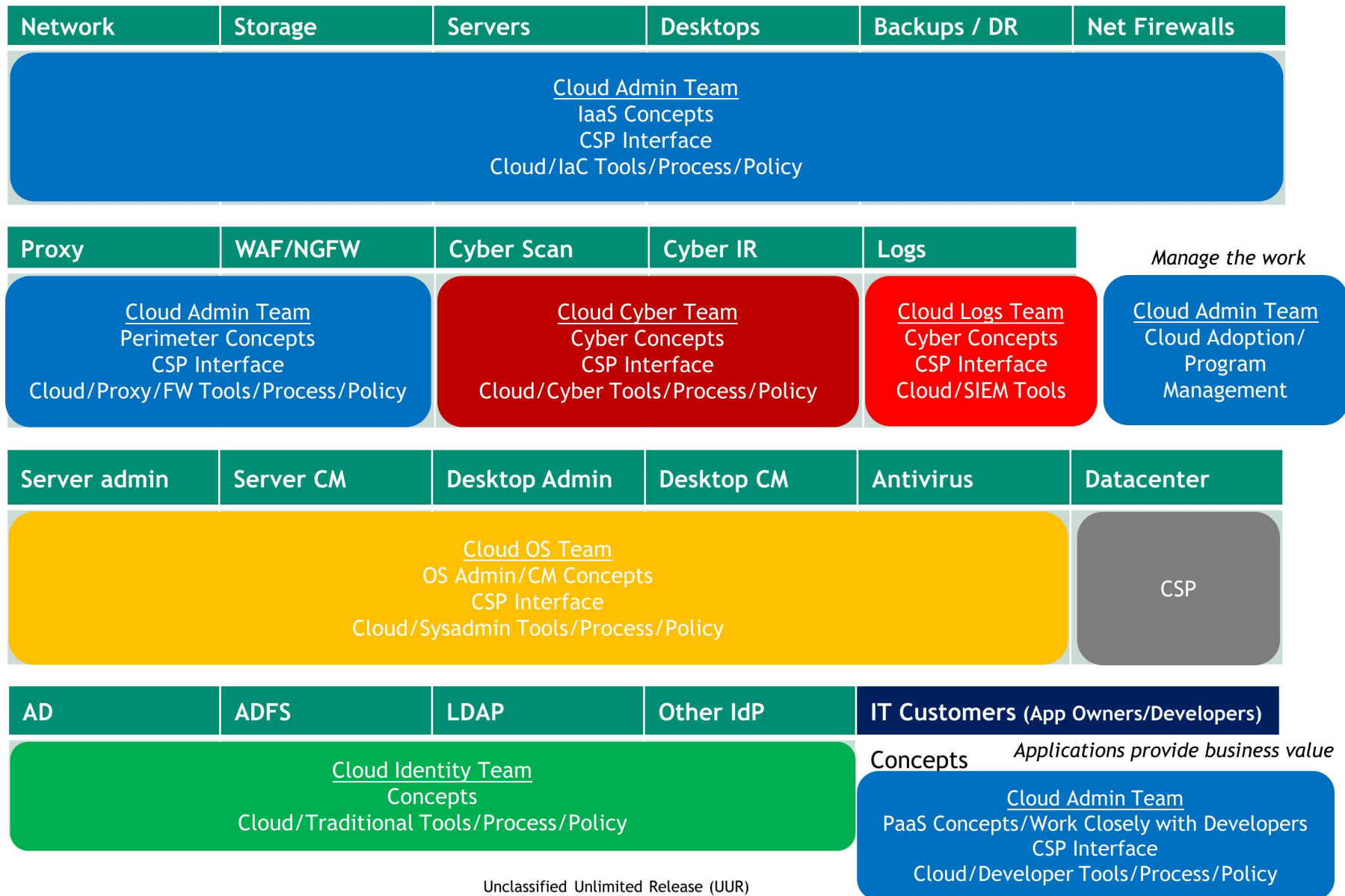
CLASIFICATION

# Agenda

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- Cloud Adoption Framework (CAF)
  Alignment Workshop Experience

- Workforce Transformation

- Enterprise vs Program/Project Workloads
  Comparison of Approach/Components

# CAF - Alignment Workshop Experience

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- Onsite 1-day

- Attendees = Key Management Personnel

- How did it go?

- Take-aways

# Workforce Transformation

4

***Example:*** transform from 21 traditional teams to 5 cloud teams (just one potential option!)

| Network | Storage | Servers | Desktops | Backups / DR | Net Firewalls |
|---|---|---|---|---|---|

**Cloud Admin Team**
IaaS Concepts
CSP Interface
Cloud/IaC Tools/Process/Policy

| Proxy | WAF/NGFW | Cyber Scan | Cyber IR | Logs |
|---|---|---|---|---|

*Manage the work*

**Cloud Admin Team**
Perimeter Concepts
CSP Interface
Cloud/Proxy/FW Tools/Process/Policy

**Cloud Cyber Team**
Cyber Concepts
CSP Interface
Cloud/Cyber Tools/Process/Policy

**Cloud Logs Team**
Cyber Concepts
CSP Interface
Cloud/SIEM Tools

**Cloud Admin Team**
Cloud Adoption/
Program
Management

| Server admin | Server CM | Desktop Admin | Desktop CM | Antivirus | Datacenter |
|---|---|---|---|---|---|

**Cloud OS Team**
OS Admin/CM Concepts
CSP Interface
Cloud/Sysadmin Tools/Process/Policy

**CSP**

| AD | ADFS | LDAP | Other IdP | **IT Customers** (App Owners/Developers) |
|---|---|---|---|---|

**Cloud Identity Team**
Concepts
Cloud/Traditional Tools/Process/Policy

Concepts

*Applications provide business value*

**Cloud Admin Team**
PaaS Concepts/Work Closely with Developers
CSP Interface
Cloud/Developer Tools/Process/Policy

# Enterprise vs Program/Project Workloads

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| | Enterprise | Program/Project |
|---|---|---|
| **Scope** | Broad scope, various workloads | Customer (project specific requirements/deliverables) |
| **Funding** | Strategic vs Baseline vs Charge Back capable (ideal) | Customer |
| **Data Owner** | Enterprise (Corporation) | Customer |
| **ATO (Risk) Owner** | Cyber Assurance chain of command (Enterprise/Oversight) | Customer |
| **Staffing** | Enterprise (Corporation) | Enterprise (Corporation) |
| **Demand** | Leadership demand and direction is key; input from customers, SMEs, management | Customer |