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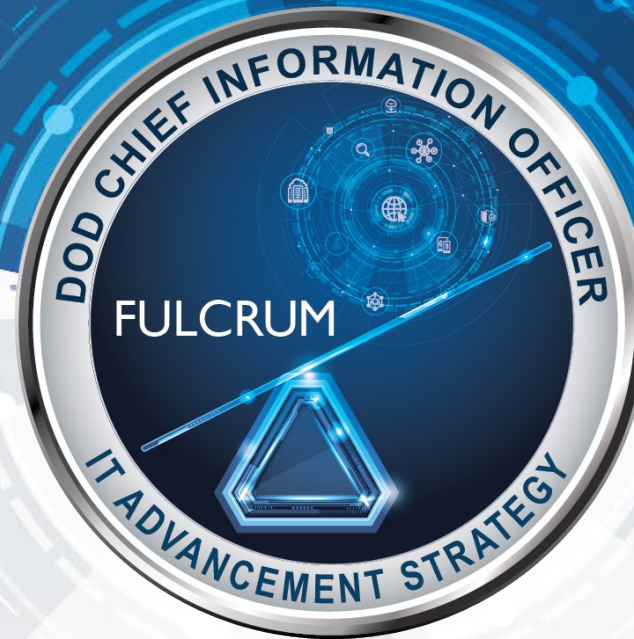
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Department of Defense  
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

**SLIDES ONLY  
NO SCRIPT PROVIDED**

# **DoD Cloud Enablement**

Jim Nelson – DoD CIO, DCIO-IE



# Setting the Foundation for Cloud

## Set Policy/Guidance

### DoD Fulcrum

- DoD Information Technology Advancement Strategy

### Software Modernization Strategy

- Accelerate the DoD Enterprise Cloud Environment

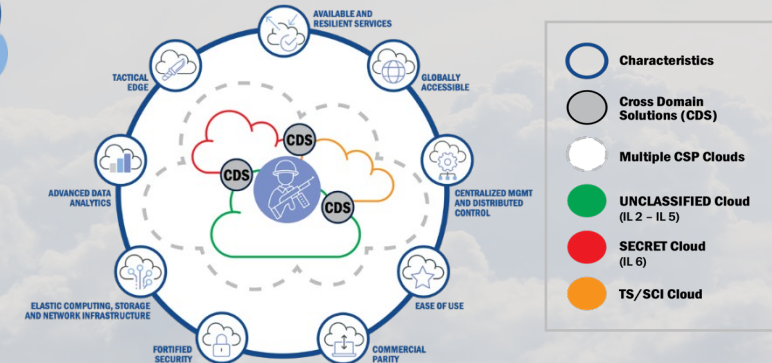
### OCONUS Cloud Strategy

- Multi-Cloud Technical Design

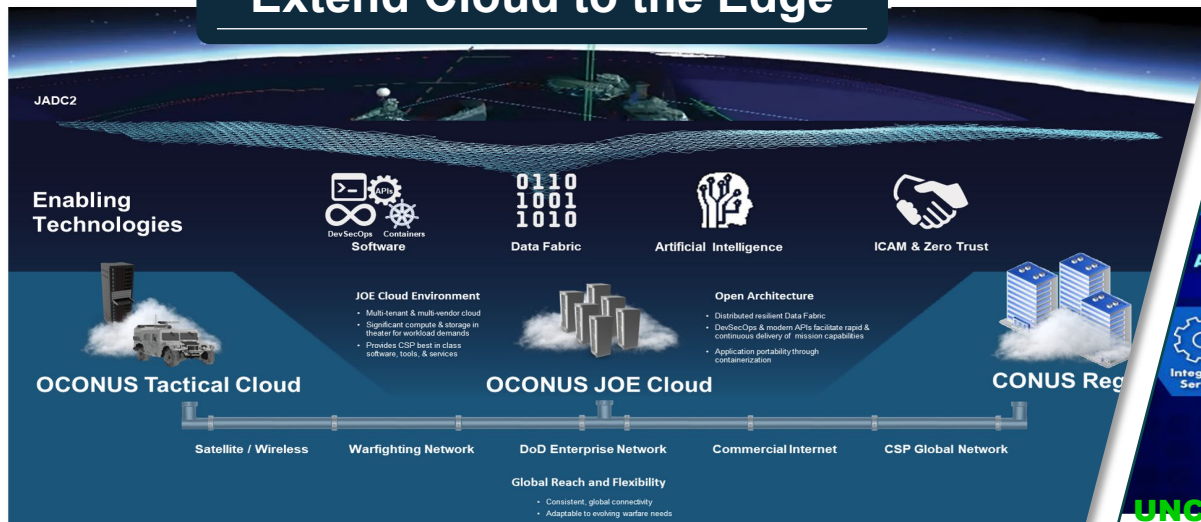
## Buy Cloud at Scale



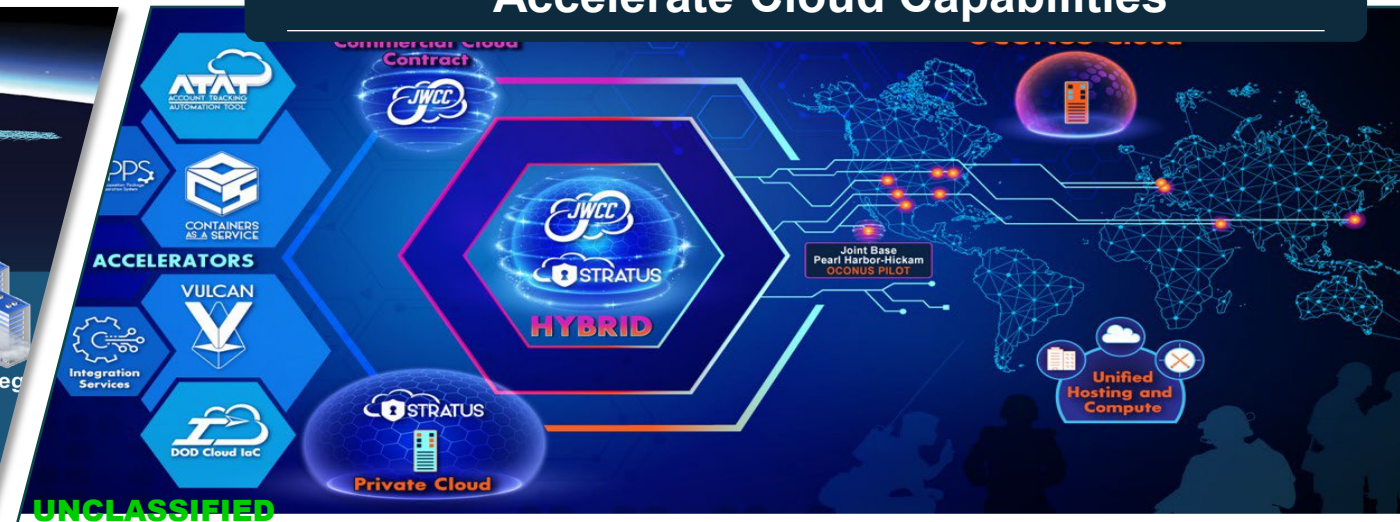
Make  
Cloud  
Simple.



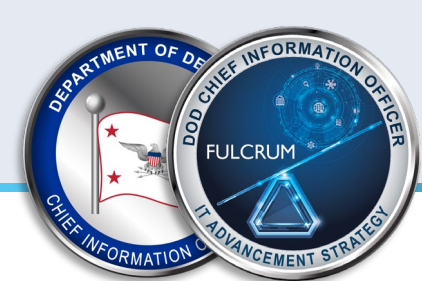
## Extend Cloud to the Edge



## Accelerate Cloud Capabilities







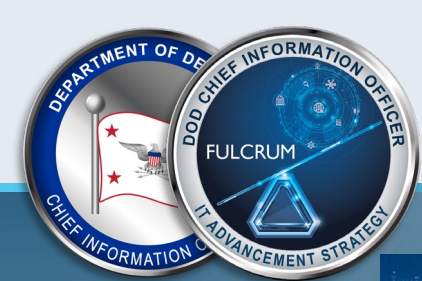
# DoD Fulcrum Strategy

## DEPARTMENT STRATEGIES

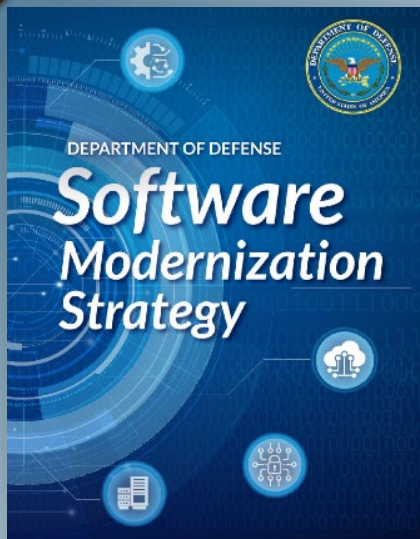
## SUPPORTING STRATEGIES



- **LOE 1: Provide Joint Warfighting IT capabilities** to expand strategic dominance of U.S. Forces & mission partners.
- **LOE 2: Modernize information networks and compute** to rapidly meet mission and business needs.
- **LOE 3: Optimize IT governance** to gain efficiencies in capability delivery and enable cost savings.
- **LOE 4: Cultivate a premier digital workforce** ready to deploy emerging technology to the warfighter.



# Software Modernization Strategy



## Goals

**Accelerate the DoD Enterprise Cloud Environment**

**Establish Department-wide Software Factory Ecosystem**

**Transform Processes to Enable Resilience and Speed**

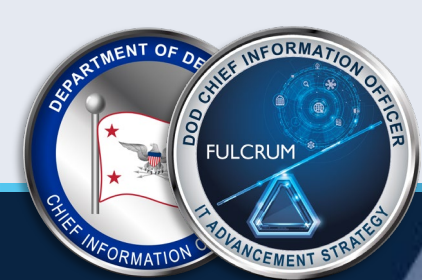


## Goals

**Obtain Visibility of Cloud Cost and Utilization Data**

**Define and Display Metrics for Optimization**

**Integrate Insights into Decision Making**



# Joint Warfighting Cloud Capabilities



Contract to purchase commercial public cloud and edge offerings from AWS, Google, Oracle, and/or Microsoft, at all classification levels

## EXPECTED EDGE OFFERINGS



- Snowball
- Snow Blade
- Modular Data Center



- Azure Stack Mini R
- Azure Stack Edge Pro-R
- Azure Stack ASH-R



- GDC-H Edge (Appliance)
- GDC-H Modular Data Center



- Roving Edge Ultra
- Roving Edge Device
- Roving Edge Station

## FEATURES



Available and Resilient Services



Globally Accessible



Ease of Use



Commercial Parity



Centralized Management and Distributed Control



Tactical Edge



Advanced Data Analytics



Fortified Security

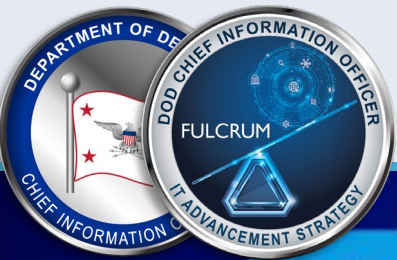


Elastic Computing, Storage and Network Infrastructure

CLASSIFICATION LEVEL AVAILABILITY



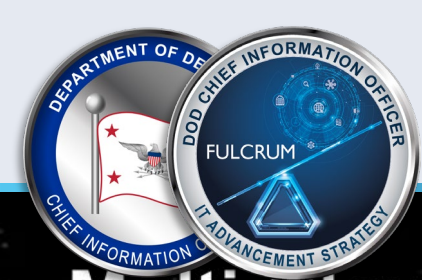




# DISA Cloud Accelerators







# Joint Operational Edge

## Multi-Cloud / Joint Operational Edge (JOE) Cloud Enables Combined Joint All Domain Command and Control Operations

JADC2

### Enabling Technologies



### JOE Cloud Environment

- Multi-tenant & multi-vendor cloud
- Significant compute & storage in theater for workload demands
- Provides CSP best in class software, tools, & services



### Open Architecture

- Distributed resilient Data Fabric
- DevSecOps & modern APIs facilitate rapid & continuous delivery of mission capabilities
- Application portability through containerization



### OCONUS Tactical Cloud

### OCONUS JOE Cloud

### CONUS Regions

Satellite / Wireless

Warfighting Network

DoD Enterprise Network

Commercial Internet

CSP Global Network

### Global Reach and Flexibility

- Consistent, global connectivity
- Adaptable to evolving warfare needs