

# AI in Motion

How Cisco AI Pod Drives End-to-End Transformation

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# Cisco AI PODs In Motion

Demo 1 – AIPOD (Network, Storage & Compute Data) with SPLUNK

Demo 2 – AIPOD (Network Infrastructure Data) with PCA(Provider Connectivity Assurance)

Demo 3 – AIPOD (Enterprise AI Ready Data) with VAST

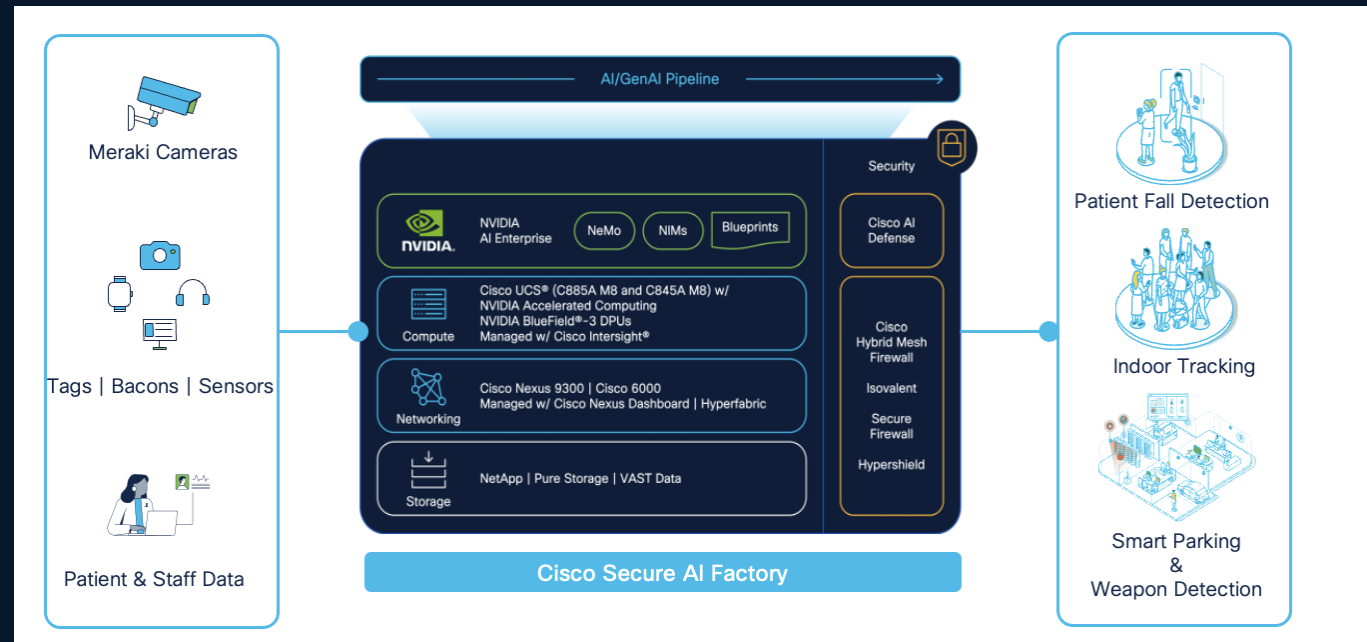
Demo 4 – AIPOD (Agent Management Data) with Agntcy

Demo 5 – AIPOD (Security Data) with AI Defense

But first...let's talk about DATA

# Use Case Conversation

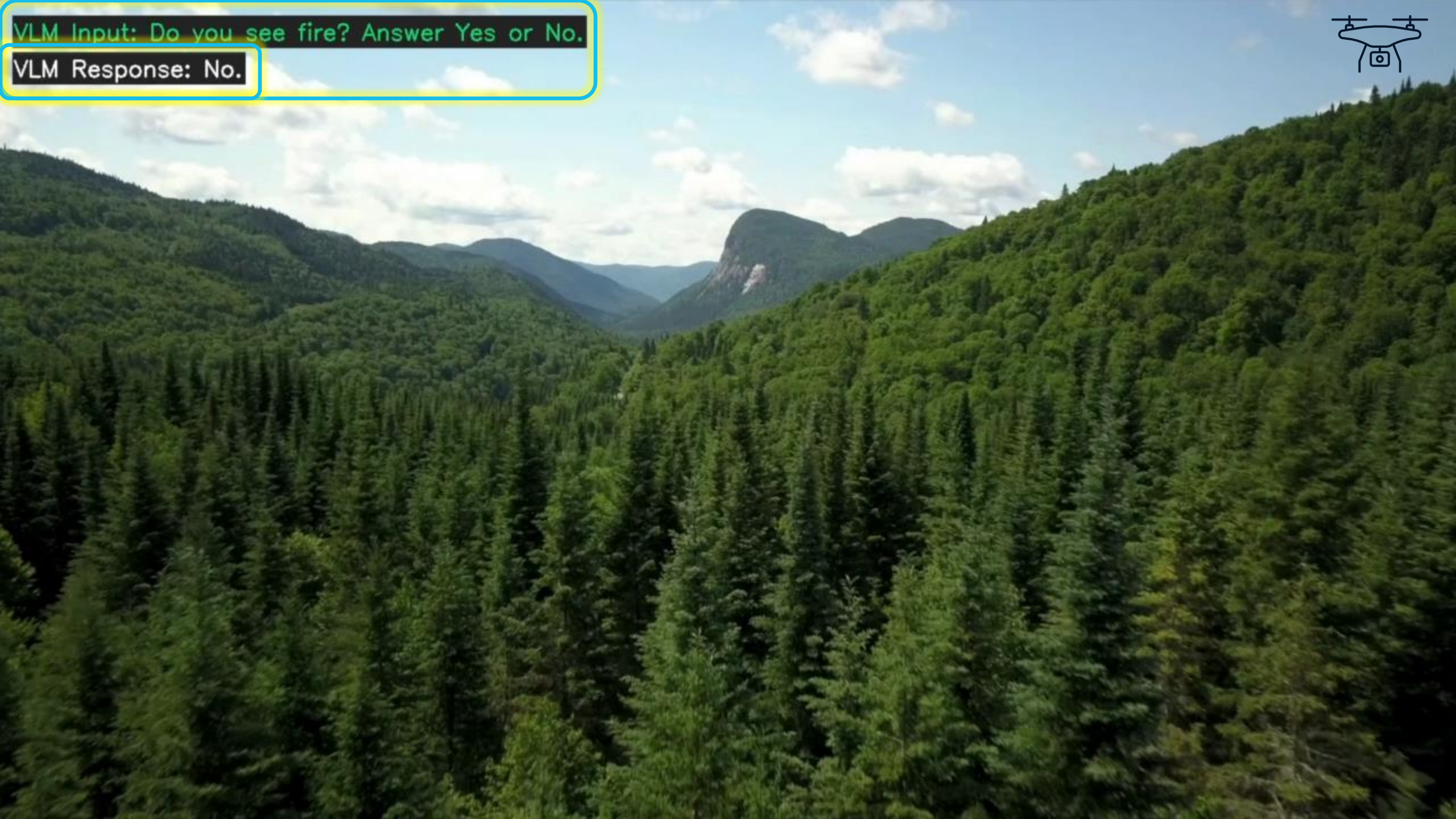
- **Data Fragmentation:** Data is often siloed across multiple systems (cloud, on-prem, edge), making it hard to unify for AI workloads.
- **Data Quality & Consistency:** Inconsistent formats, missing values, and noisy data can degrade model performance and reliability.
- **Real-Time Data Access:** AI models need low-latency access to live data streams, which traditional data pipelines may not support efficiently.
- **Secure Data Governance:** Managing access controls, audit trails, and compliance across distributed data sources is complex and critical.
- **Integration with Existing Infrastructure:** AI systems must seamlessly integrate with existing observability, networking, and security tools to avoid operational silos.



# Demo 1 – AIPOD (Network, Storage & Compute Data) on SPLUNK

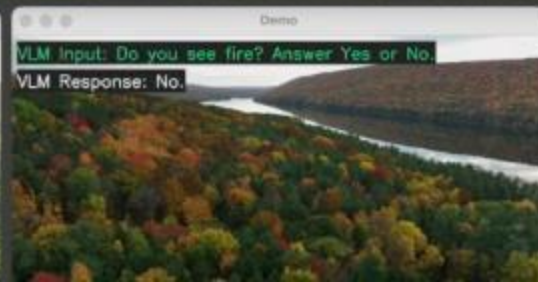
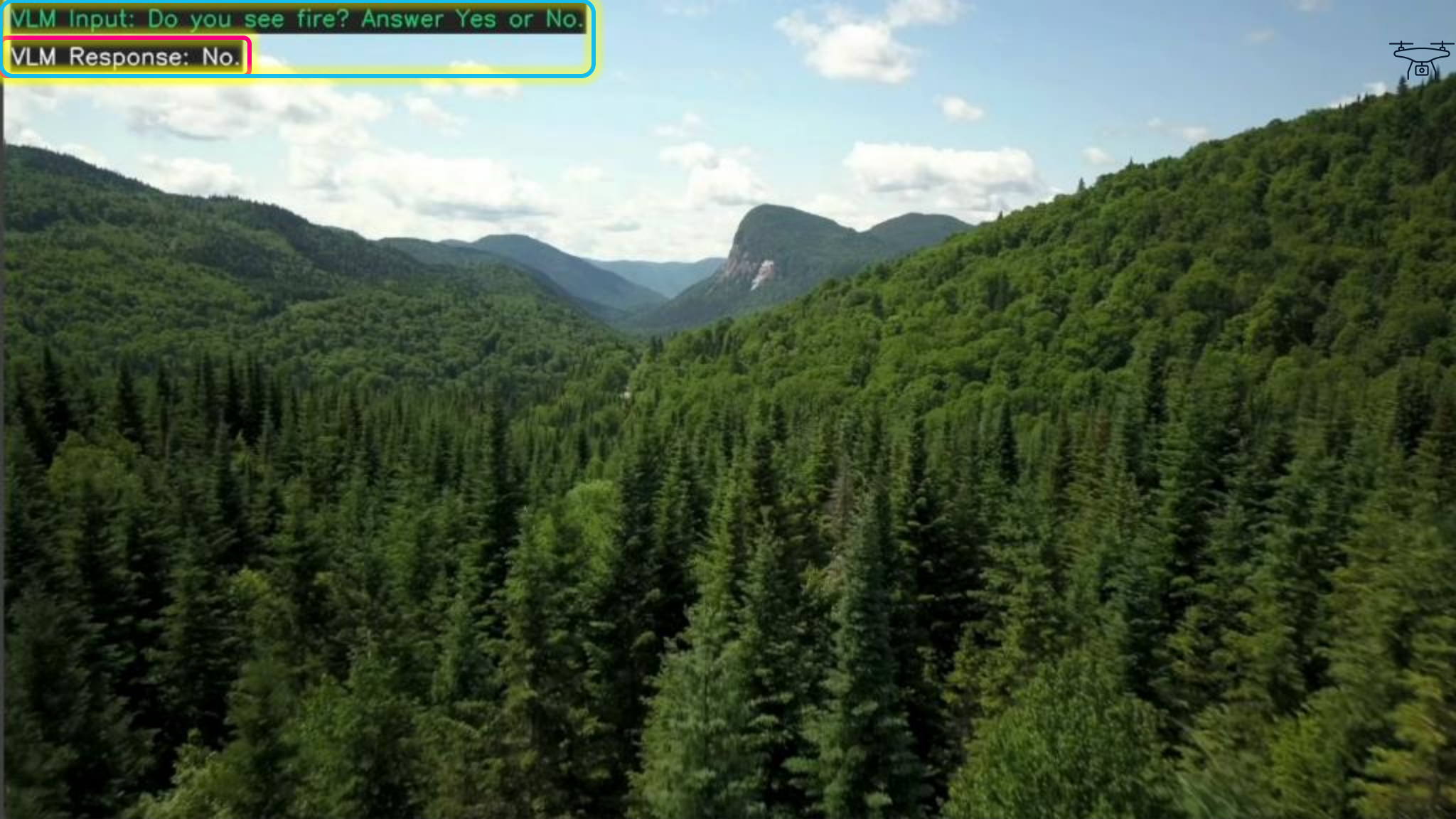
VLM Input: Do you see fire? Answer Yes or No.

VLM Response: No.



VLM Input: Do you see fire? Answer Yes or No.

VLM Response: No.



Overrides: Filter  Time  Chart resolution  [Event overlay](#)



### # Nodes per cluster 10s

6 nodes	ai-pod.cisco.local
3 nodes	gamify
3 nodes	o11y-for-ai-demo-cluster

Fri 16 May 2025 10:48:20

### # Containers per cluster 10s

607 containers	ai-pod.cisco.local
88 containers	o11y-for-cisco-ai-cluster
52 containers	o11y-for-ai-demo-cluster

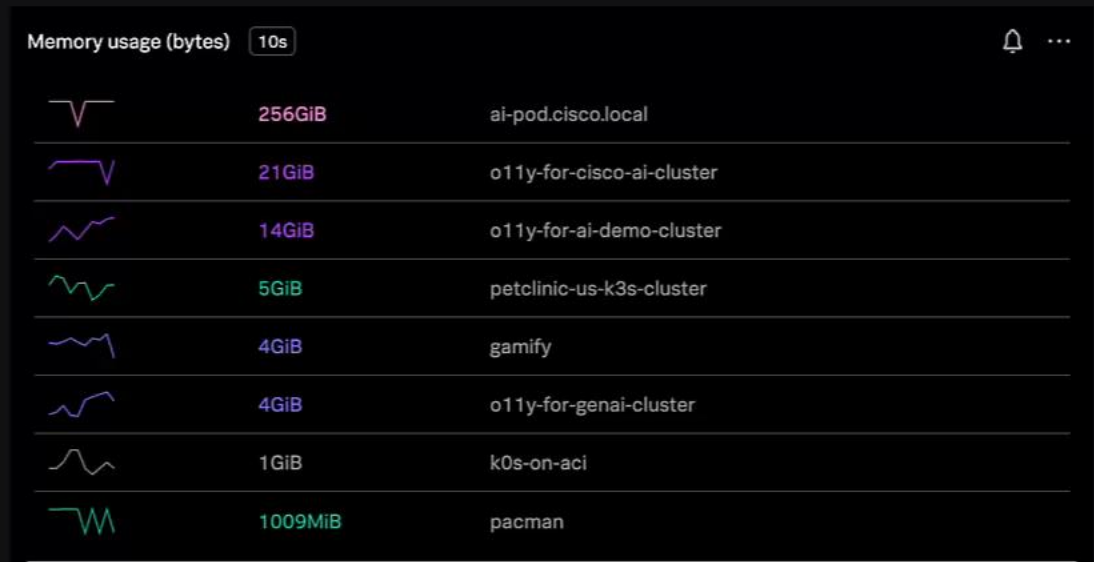
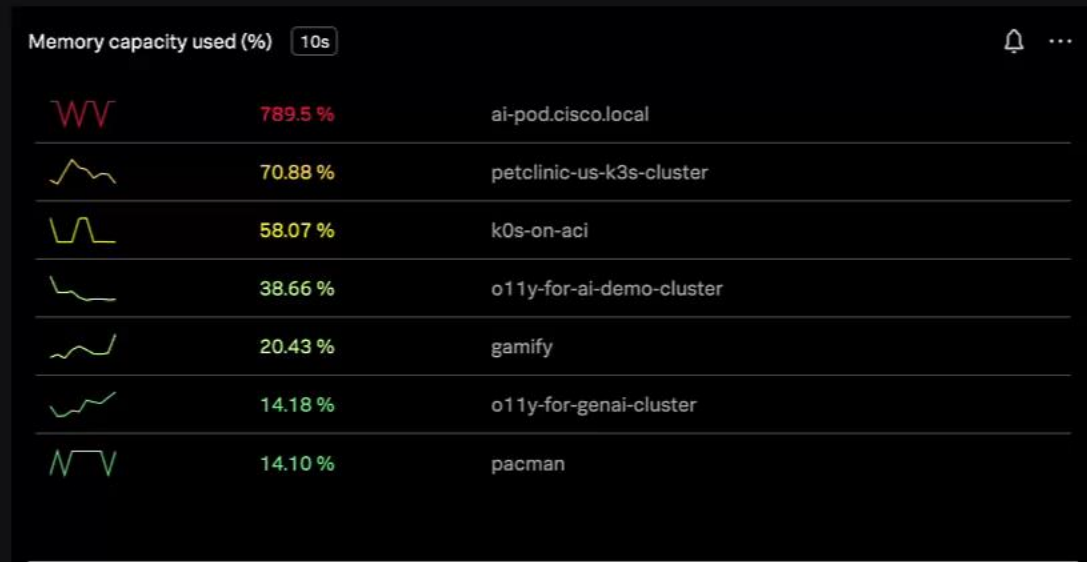
Fri 16 May 2025 10:51:40



### # Network errors 10s

0	o11y-for-ai-demo-cluster
0	gamify
0	o11y-for-genai-cluster

Fri 16 May 2025 10:51:40



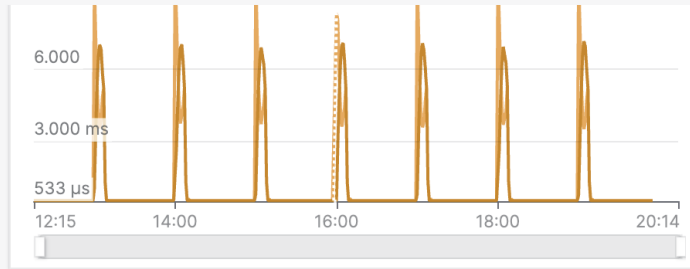
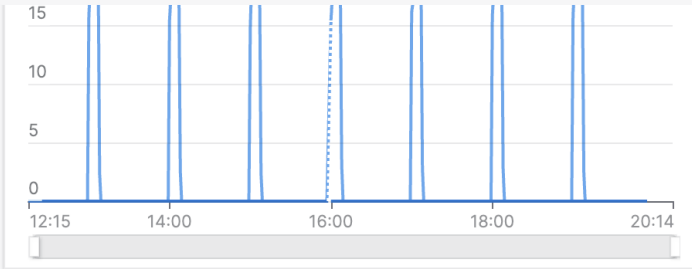
- Home
- APM
- Infrastructure
- Log Observer
- RUM
- Synthetics
- Detectors & SLOs
- Dashboards**
- Metric Finder
- Data Management
- Settings

# Demo 2 – AIPOD (Network Infrastructure Data) on PCA(Provider Connectivity Assurance)

### 1. Multi-layer Demo - Global network view Shared with me



Color option  
Metric



#### SLA per QoS

Traffic	Packet loss % 6 Sources SD AVG	Packet loss % 6 Sources SD AVG	Delay (p95) 4 Sources SD AVG	Delay (p95) 4 Sources SD
data	4.38%		1.80 ms	
voice	0%		554 μs	

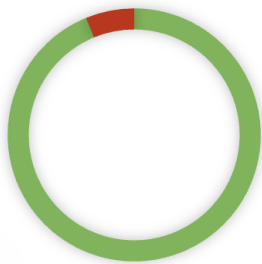
#### SLA per Customer

shortcut to see customer portal >

Click on

Customer	Packet loss % 6 Sources SD AVG	Packet loss % 6 Sources SD AVG	Delay (p95) 4 Sources SD AVG	De 4 S
customer bbb	0%		554 μs	
customer aaa	4.38%		1.80 ms	

#### Packet Loss



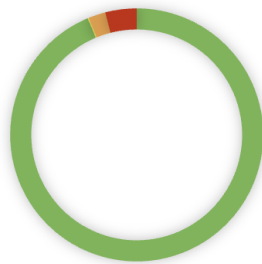
Packet loss %  
DUR SD

- Good 93.80%
- Bad 6.200%

#### Packet...

Max  $\bar{x}$   
MAX SD  
**44.6%**

#### Latency



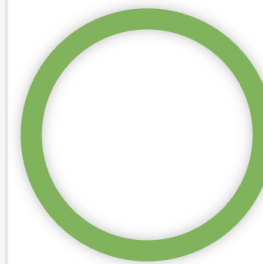
Delay (p95)  
DUR SD

- Good 93.66%
- Low Risk 0.1627%
- Med Risk 2.187%
- High Risk 2.995%

#### Delay ...

Avg  $\bar{x}$   
AVG SD  
**1.18 ms**

#### Jitter



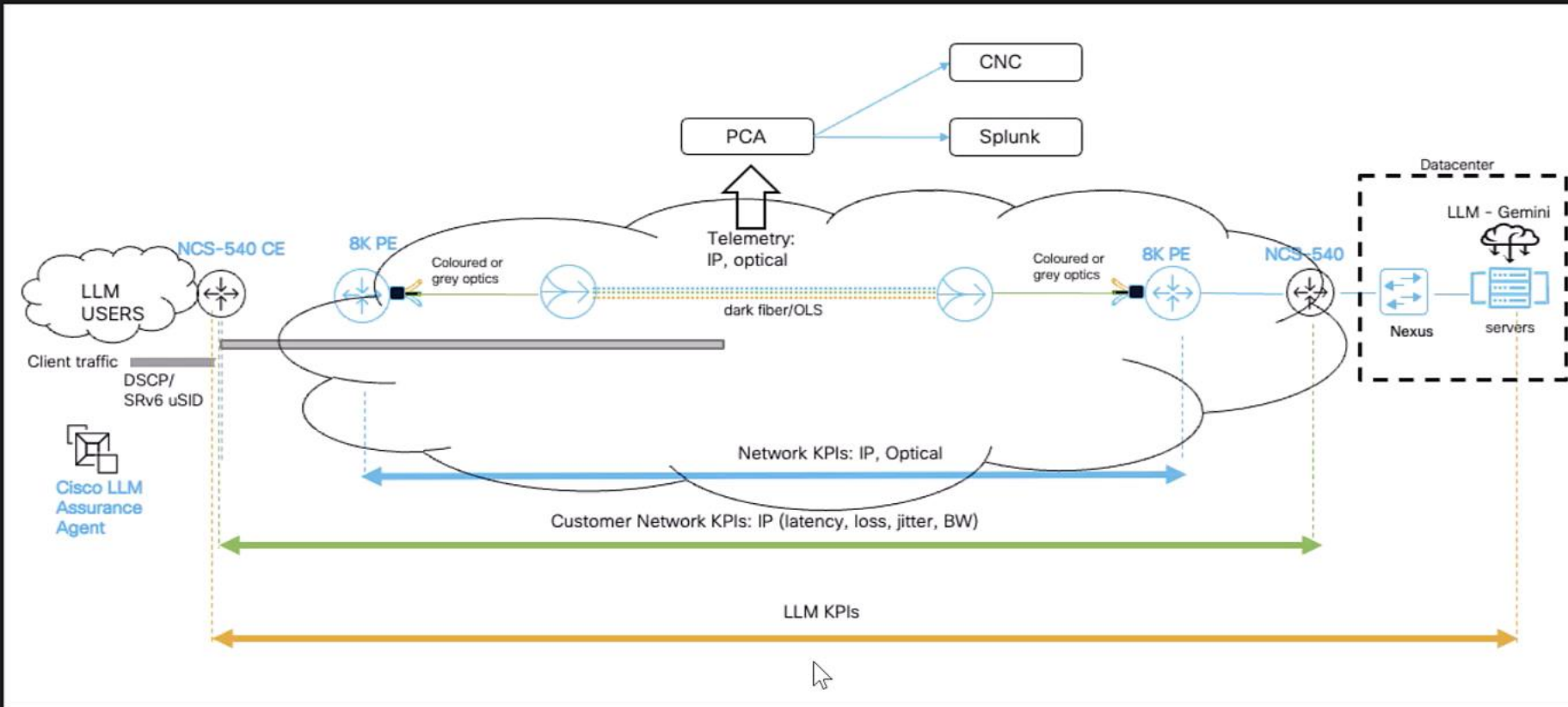
Jitter p95  
DUR SD

- Good 100%

#### Jitter P...

Avg  $\bar{x}$   
AVG SD  
**12.2 μs**

### High Level AI Infrastructure Topology Shared By (Abhishek Jamwal)

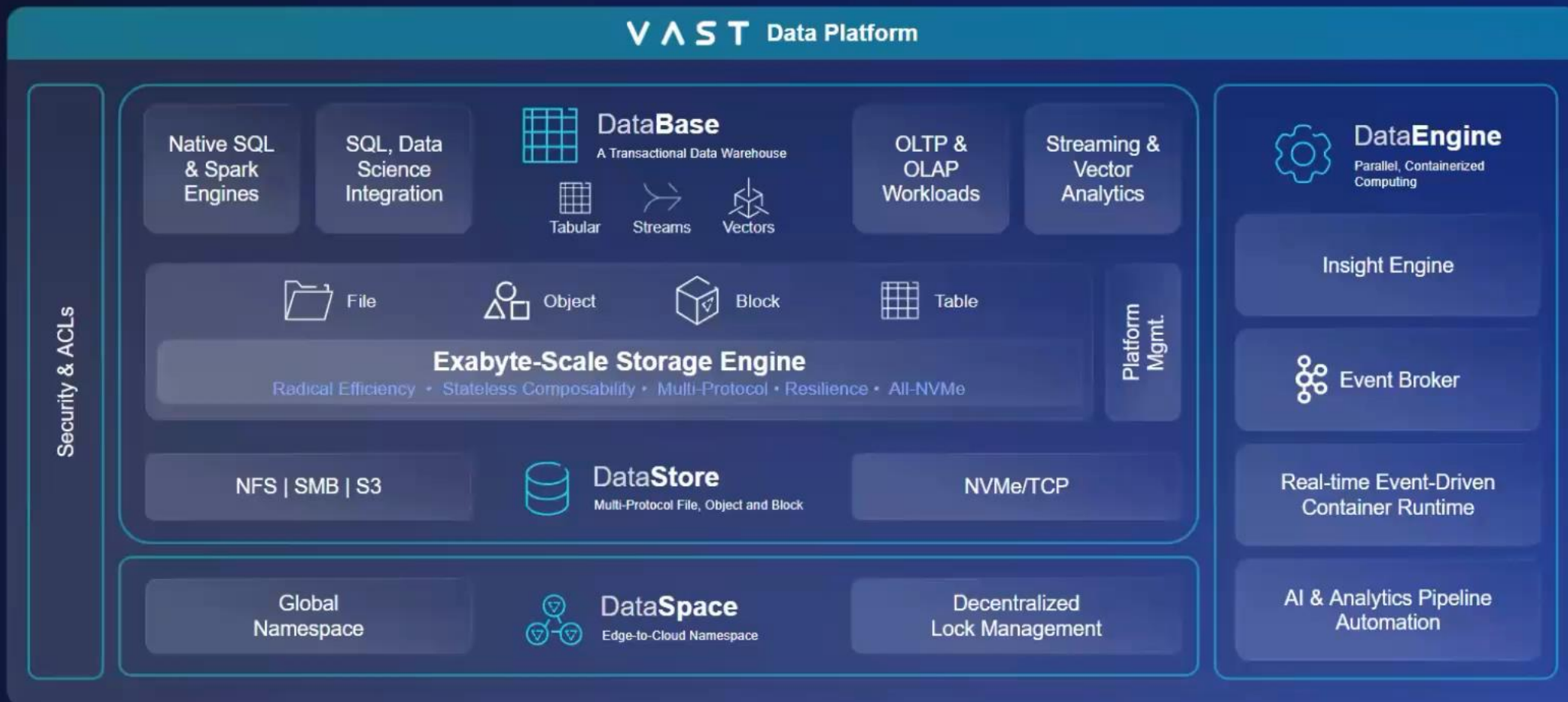


Color option: None  
Author: [button]



# Demo 3 – AIPOD (Enterprise AI Ready Data) on VAST

# It all starts with the VAST Data Platform



# Cisco + Vast Data + Nvidia



## Insightful Video

Unlock the power of your video content with AI-powered search and analysis

### Video Search ⚡

Search through video content using natural language queries

### Video Reasoning 🧠

Ask complex questions about video content with AI-powered reasoning

### Agents

Manage specialized AI agents for multi-perspective video analysis

### Agent Actions

Configure automated actions that can be triggered by agent insights

### Meta Insights 🧐

Explore detailed metadata and video insights

### Dashboard

Monitor video processing status and manage content

### Upload Videos

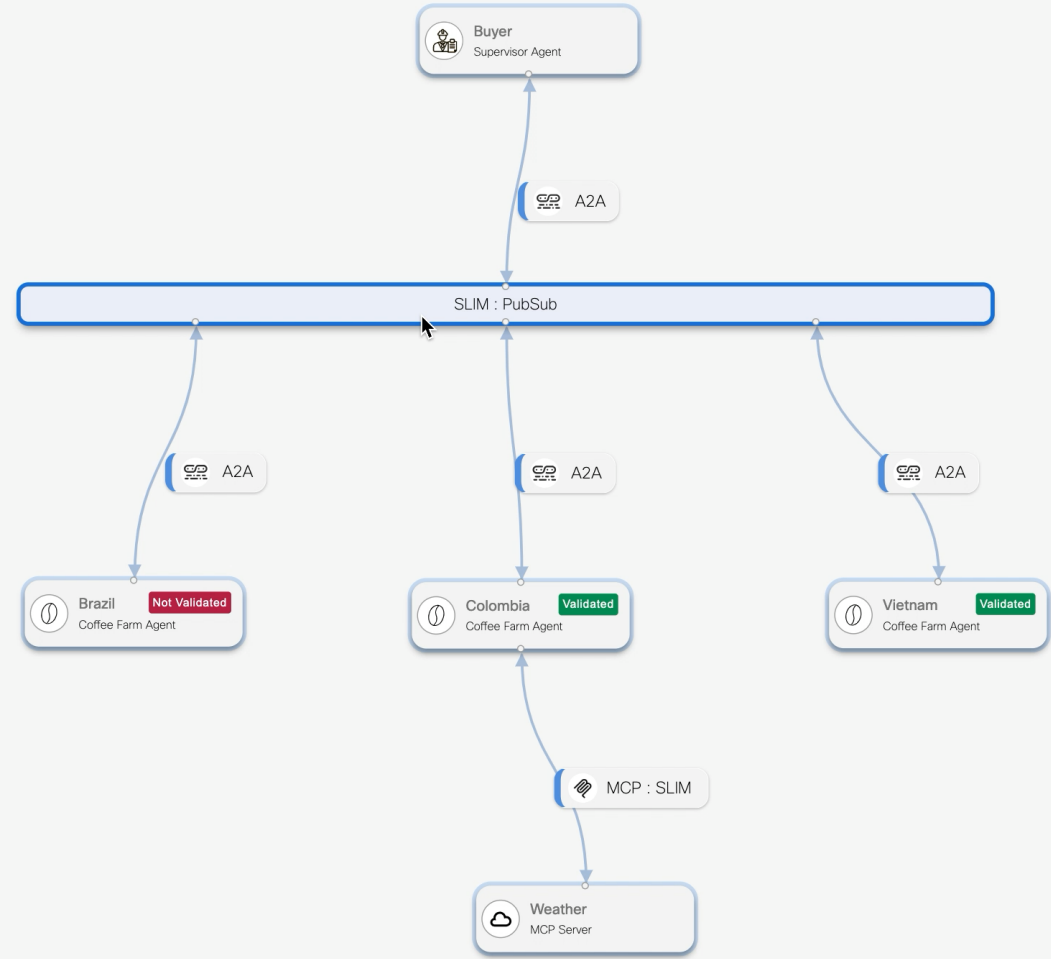
Add new videos for AI-powered analysis

# Demo 4 – AIPOD (Agent Management Data) on Agntcy



Hi, you are having a conversation with the supervisor. How can I help you?

Enter your prompt...



# Demo 5 – AIPOD (Security Data) on AI Defense

# Hello Didier Chapoteau

Prompts detected  
**283**

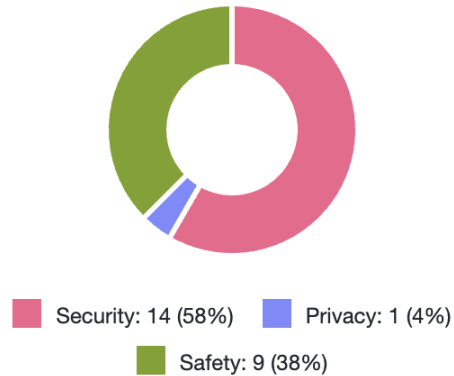
Responses detected  
**0**

Connections  
**6**

## Policy action overview

Action	Prompts	Responses
→ Pass	170 (38%)	143 (100%)
✓ Allow	0	0
⊘ Block	283 (62%)	0

## Guardrails distribution



## Event logs

Event time (UTC)	Rule action	Message type	Application	Model
Jan 20, 2025 20:22:05	⊘ Block	Prompt	External Chatbot	gpt-4
Jan 20, 2025 20:21:22	⊘ Block	Prompt	Chat	---

Cisco AI Defense is a security solution designed to protect the development and use of AI-powered applications. It helps enterprises to:

- **Discover AI:** Gain visibility into who is building applications and the training sources they use.
- **Validate Models:** Minimize the risk of model tuning turning toxic through automated testing.
- **Runtime Security:** Continuously validate and safeguard against potential safety and security threats.
- **Secure Access:** Control access to AI applications.

AI Defense is built into Cisco Security Cloud, the company's cross-domain security platform.

It is designed to work with a variety of AI models and applications, and it is integrated with Cisco's threat intelligence data from Talos.

Next

Cisco dCloud

Prompt Injection

Security

+1

# Resources to learn more



## Cisco AI POD

View on [cisco.com/go/aipod](https://cisco.com/go/aipod)



## AI-Ready Infrastructure

View on [cisco.com](https://cisco.com)



## Cisco Provider Connectivity Assurance

Visit [Cisco.com](https://Cisco.com)



## Cisco Compute YouTube channel

View on [youtube.com](https://youtube.com)



## Blogs

Visit [blogs.cisco.com/datacenter](https://blogs.cisco.com/datacenter)



## Online community

Visit the [Data Center and Cloud online community](https://Data Center and Cloud online community)