

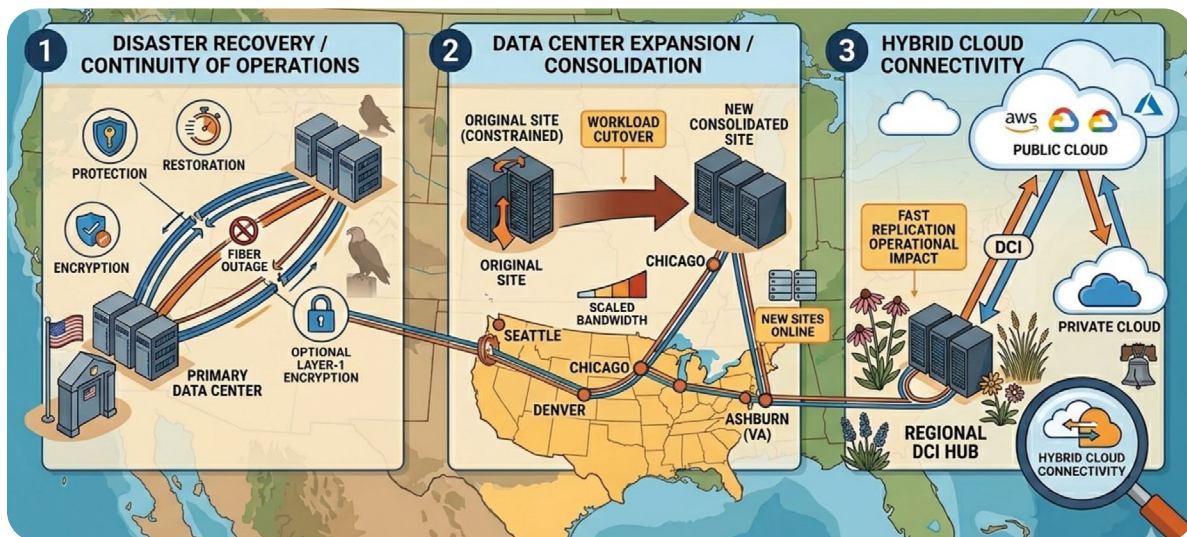
# Add Capacity with Confidence

## Secure Data Center Interconnect for Civil Government



### Your Citizens are Always On

In recent years, the demand for information from civil government institutions by US citizens has reached record levels. In fiscal year 2024, the US government received a record **1,501,432 requests**, representing an increase of approximately **25.15%** over the previous year. No surprise that US Civil Federal agencies are modernizing data centers, increasing inter-site bandwidth, and improving operational resilience - often under strict space, power, and staffing constraints.



Ribbon's Data Center Interconnect solutions are addressing the key applications of modern Data Center Networking based on advanced technology that addresses the two critical factors: **Port Density** and **Power Consumption**. Our DCI solutions deliver up to 25.6T in 2RU with <0.07 W/G, enabling high-capacity interconnect between agency data centers, colocation environments, cloud on ramps, and recovery sites.

### Disaster Recovery / Continuity of Operations

Keep replication running and recovery fast—even through fiber outages. Integrated protection, fast restoration, and optional Layer-1 encryption safeguard data in transit and minimize operational impact.

### Data Center Expansion / Consolidation

Scale bandwidth to support phased workload cutovers, ease rack and power constraints during consolidation, and expand DCI beyond point-to-point as new sites come online.

### Hybrid Cloud Connectivity

Enable high-capacity connectivity from agency data centers to cloud on-ramps with faster, automated provisioning and operational assurance across hybrid environments.

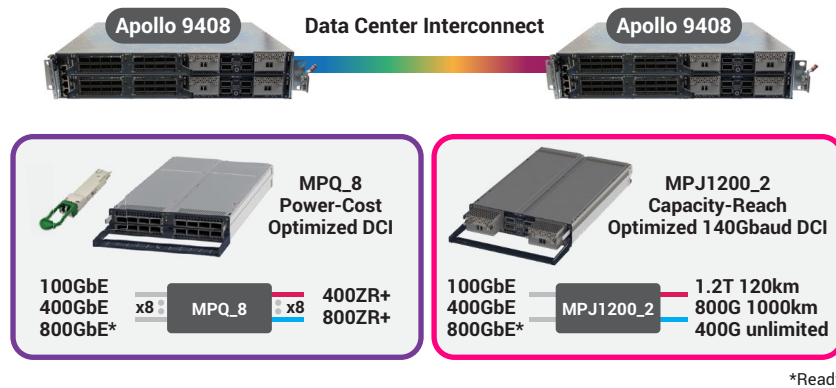
# Secure Data Center Interconnect

## The Solution

DCI infrastructure in the public sector must support distributed cloud architectures, enable flexible private and hybrid models, be resilient, offer agile deployment, and include strong security features.

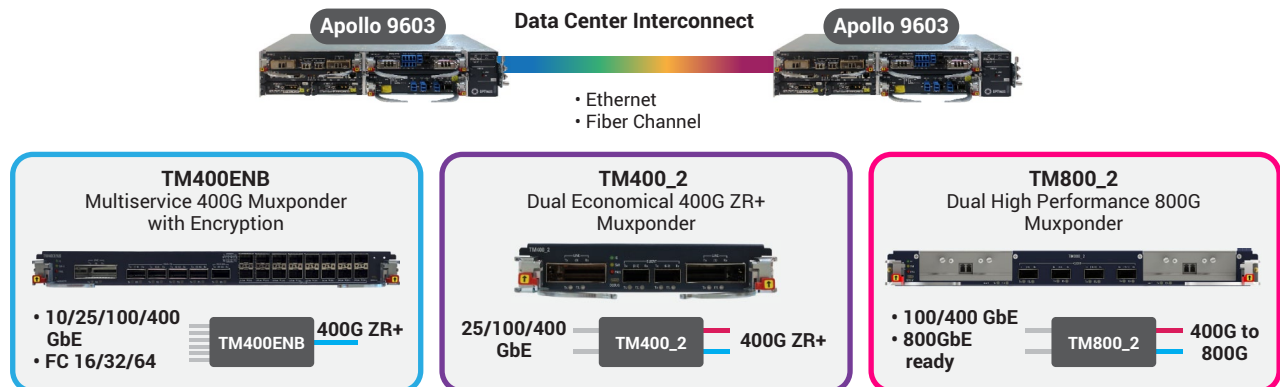
### For national/regional backbones and large-scale data replication

Ribbon High-Density DCI (Apollo 9408): Compact 2RU platform with up to 25.6T capacity, low power consumption, modular components, and two DCI sled options for different requirements.



### For agencies and colocation sites requiring Ethernet and Fibre Channel or selective encryption

Flexible Enterprise DCI (Apollo 9600 family): Offers per-service encryption with AES256 and PQC/QKD options, as well as FIPS 140-3 Level 3 certification and three different form factors.



## Why Ribbon

Density and efficiency: up to 25.6T in 2RU and <0.07 W/G to maximize bandwidth per rack and per watt

Networking: OLS to extend beyond point-to-point and support multi-site DCI restoration

Operations: Open APIs and telemetry or Muse orchestration for provisioning, assurance, and analytics

Security: AES-256 Layer 1 optical encryption with conventional and PQC/QKD key exchange options

**Contact Us**

Contact us to learn more about Ribbon solutions.