



COMTECH™
Fluent in the Future

Dynamic Cloud Platform

Hybridizing Connectivity

At Comtech, we're building the future of hybridized connectivity, with technology that integrates terrestrial and satellite communications networks. Comtech customers enjoy seamless, always-on connectivity – regardless of external conditions. All our networks are online, all the time.

The Challenge

As satellite and mobile operators, enterprises, and government agencies move from hardware-based infrastructure solutions to cloud native environments capitalizing on 5G integrations can be challenging.

Expertise is needed to deploy Virtualized Applications as Virtual Network Functions (VNF) or Containerized Network Functions (CNF) on multiple infrastructures. Considerations include protection of applications from changes in Management and Orchestration (MANO) function and from changes in business and operational systems function.

Comtech's Approach

Nearly 30-year legacy in the industry has resulted in a global reputation of superior technology offerings. Our secure, innovative location and messaging solutions are designed to support interconnected, cloud-based applications across various business verticals.

Comtech's Dynamic Cloud Platform (DCP) provides a framework for integration, orchestration, and management of applications into diverse cloud infrastructures and management systems.

The Comtech DCP provides a platform for application integration into the 3GPP 5G ecosystem enabling application developers to focus on delivering business value by abstracting the intricacies of 5G.



The Solution

Comtech's DCP provides high availability, reliability, scalability, and security. The solution is designed to be infrastructure, cloud, and application agnostic—allowing communications providers and other organizations to easily orchestrate, integrate, and manage applications across private, hybrid, and public cloud networks.

As a delivery system for applications that are integrated into provider environments as a VNF or a CNF, the Comtech DCP is a management abstraction layer between the cloud services provider and the VNF/CNF and offers a set of functions that provide for monitoring and managing the system. The Comtech DCP includes a rich monitoring framework that interacts with the dashboard framework and provides a clear indication of the health of the system and the availability of external interfaces.

The dashboard framework provides a view of the system components, system health, and a launch point for additional application UI functions. The dashboard framework includes on-board user account management and interfaces with the providers user account management. An Element Manager (EM) function of the VNF/CNF provides the interfaces between the VNF/CNF and the provider's MANO and Network Function Virtualization Infrastructure (NFVI) such as ETSI MANO and openECOMP/ONAP MANO.

Comtech's DCP allows applications in a VNF/CNF to integrate into different providers' infrastructures for interface controls and administrative messaging without requiring changes to the underlying application code.



Customer Benefits

- Flexible deployment models for private, public, and hybrid cloud environments.
- One touch deployment
- Cloud native environment with set of functions that provide for monitoring and managing the system
- Access to global support
- One platform to support onboard, offboard and hybrid use cases
- Ability to leverage a team with 25+ years of domain expertise who have already deployed in private cloud environments for US Domestic Tier-1 carriers.
- Competitive pricing structure

About Us

Comtech Telecommunications Corp. is a leading global technology company providing terrestrial and wireless network solutions, next-generation 9-1-1 emergency services, satellite and space communications technologies, and cloud native solutions to commercial and government customers around the world. Our unique culture of innovation and employee empowerment unleashes a relentless passion for customer success. With multiple facilities located in technology corridors throughout the United States and the world, Comtech leverages its global presence, technology leadership and decades of experience to create the world's most innovative communications solutions.

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