



ENTERPRISE



AUSTRALIA



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MOQ

Leading Business Trans

ABOUT

The Port of Brisbane is one of Australia's fastest growing container ports and Queensland's largest multi cargo port. Around \$50 billion in international trade is handled through the Port annually, connecting Queensland and norther New South Wales trade with the world.

\$V3RW0DQDBRWRIWEDQBWXVGSZQMWWVLQDFDQWOLQLOQIDVWFWWRERRVWVXSOFDLOHFLQF\ facilitate sustainable trade growth and improve land and waterside connectivity for customers and stakeholders.

BUSINESS CHALLENGE

Port of Brisbane has recently constructed the new Brisbane International Cruise Terminal that provides world class facilities for the world largest cruise liners and their guests. The new Brisbane International Cruise Terminal is a \$177 million dollar investment that is set to boost the Queensland Tourism industry and support local economic growth.

The primary business challenge that faced Port of Brisbane was the goal of delivering world class facilities supported by cutting edge technologies over modern, secure, and robust data communications infrastructure.

Secondary challenges that Port of Brisbane faced were the need to adapt and be agile in the wake of COVID-19 to meet new health and safety compliance. This means that the IT solutions being deployed, including the underpinning network infrastructure and services, must support this agile capability.

DESIRED OUTCOMES

- ✓ A Modern and Agile network.
- ✓ A Secure, converged network to digitise solutions.
- ✓ Enhance PBPL's Cybersecurity.
- ✓ Position
- ✓ Reduce Administrative complexity.

TEAM SKILLS

- ✓ ~~BRBIWDUHHQHGSFHV~~ ✓ Cisco Firewalls
- ✓ Cisco DNAC
- ✓ Cisco Catalyst 9500
- ✓ Cisco Catalyst 9300
- ✓ Cisco IE3400 Switches
- ✓ Cisco Wireless
- ✓ Cisco Nexus Platform
- ✓ WiFi6

SOLUTION

MOQdigital designed and deployed a modular, next generation network which consisted of secure perimeter, data centre networking, campus networking, high density indoor wireless, outdoor wireless and industrialised edge networking.

The next-generation campus network solution for the Brisbane International & Cruise Terminal provides a single pane of network orchestration and monitoring as well as an extension of secure segmentation constructs and policy enforcement between sites. This means a user or device can move between sites and still have the same access and security policies applied wherever they go.

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WiFi6 was deployed within the terminal to provide high-density capabilities and to satisfy the demanding performance requirements of both POB staff and the terminals guests and patrons. This solution leveraged Cisco Fabric integrated wireless access points and Wireless LAN controllers. Fabric integrated wireless enables the same secure segmentation and policy enforcement as the wired counterparts.

Data Centre networking was provided by the Cisco Nexus platform and the security perimeter provided by Cisco Firewalls.

SUMMARY

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Campus solution at the main Port of Brisbane Campus which provides a single management and monitoring pane of glass and single segmentation constructs, device onboarding and policy enforcement capability. The network was deployed to be robust, secure, and agile which has already proven capable with ever evolving changes mandated by COVID-19 health and safety compliance.

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