



# Queensland Government Data Centre Network (QG DCN)

## Networking within and between QG data centres

Within QG data centres, this service provides a range of networking capabilities needed for application housing or hosting in one or both data centres.

You can multi-site your mission critical applications across the data centres using resilient high-speed interconnects. In each data centre, your networks are interconnected at high speeds to a range of QG services.

## Benefits

- High speed connectivity to other QG services (Internet, GovNet, Cloud Connect)
- Simple, secure inter-agency cross connects
- Application traffic management services, multi-site load balancing
- High capacity, fully resilient links between data centres
- Agency staff and offices are pre-connected from the QGNE or QGRN
- Simple, secure inter-agency access via the private government extranet
- Full separation of agency environments
- Fully compliant with government security, risk and best practice management
- Highly available design

## Prerequisites

Only available to Queensland Government entities.

## Features

- Fully diverse, resilient facilities with automated failover
- High speed switching layer hosting compute/storage and application services
- Extensive proactive troubleshooting and monitoring capabilities
- Secure hosting of agency infrastructure on separate network zones with DC firewalling of zones
- Agency offices on QGNE or QGRN are pre-integrated to the data centre facilities, and to QG services
- Rapid provisioning lead times
- Specialist technical support and monitoring
- Quality Assurance and Testing Facility (QATF) available for agency use to test new features, devices or proof of concepts with no impact on production or availability
- Extensive proactive troubleshooting and monitoring capabilities

## Variants

- Virtual connectivity
- Physical connectivity

## Metrics

Availability: 24 x 7 - 99.99%

Incident response: 24 x 7

Requests: Monday to Friday 8am to 6pm

Fulfilment:

- ▶ New QG DCN service – 1 to 5 work days
- ▶ Change to existing service – 2 work days

## Reporting

- Utilisation graphs and dashboards

## Additional and related services

- QGN data connections
  - ▶ QGN Ethernet (QGNE)
  - ▶ QG Regional Network (QGRN)
  - ▶ QG Data Centre Network (QG DCN)
  - ▶ QGN Cloud Connect
  - ▶ QG Internet Service Provider (QGISP)
- Cyber Security (recommended)
  - ▶ Data Centre and Internet Firewalls (QG Firewall)
  - ▶ Intrusion Detection and Prevention (QG IDPS)
  - ▶ Web Application Firewall (QG WAF)

## Options

- ➔ Application load balancing (local and global)
- ➔ Additional DC firewalls or security zones
- ➔ Secure Hosting Environment (agency applications and platforms)
- ➔ Customised agency reporting
- ➔ Application traffic statistics (ad hoc)

## Ordering

Please contact your CITEC representative

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