



## Data Storage

### Full NVMe SSD Block and SSD Object Storage

Data Storage services are designed to provide fast, reliable, secure data storage capacity and retrieval access for your data.

Data storage is a critical component of Queensland Government activities. Our storage offering is managed by an experienced team that knows and understands Queensland Government.

We provide fast, all flash block or object storage solutions on full state of the art Non-Volatile Memory Express (NVMe) solid-state storage devices (SSD) that are suitable for all types of workloads.

### Benefits

- Data Storage provides secure containment of data within Queensland Government data centres, operated by government staff
- No sovereignty issues or unexpected local law matters
- Storage's proximity to compute resources provides low latency response to accesses
- Closeness to and visibility of other elements of Queensland Government ICT services allows deeper insight into requirements and faster issue resolution

### Prerequisites

- Agency systems must be either in or connected to a QG Data Centre.
- QGN connection for object storage.
- Direct attached storage servers must be certified for connectivity to CITEC according to vendor compatibility matrices.

### Features

- Provision of data storage capacity
- Provision of Storage Area Network Fibre Channel connectivity between the server or VM infrastructure and storage arrays (Fibre Channel (SAN FC) )
- All flash full NVMe solid-state disks
- Scalable capacity

### Variants

All flash storage solutions on solid-state storage arrays that are suitable for all types of workloads.

- Block
- Object

### Metrics

Response time: average of less than 2ms at the array level.

Availability: 24 x 7 x 365 at 99.999%

Incident response for infrastructure: 24 x 7

Requests: Monday to Friday 8am to 6pm

Fulfilment<sup>1</sup>:

- ▶ Initial setup, for a new server<sup>2</sup> – 1 to 5 work days
- ▶ Additional storage to existing<sup>2</sup> – 1 to 3 work day

<sup>1</sup>Depending on complexity and assuming required connectivity is in place. <sup>2</sup>Typical times are 1 day.

### Reporting

Presented as number of gigabytes allocated, included on the monthly invoice.

### Additional and related services

- Server Management
- QCloud (private cloud)
- Data Protection
- Cyber Security (recommended)

### Options

- ➔ Data replication
- ➔ Data encryption at rest
- ➔ Data encryption in transit
- ➔ Data protection (backup)
- ➔ Synchronous Active/Active cross-site replication
- ➔ Cloning and snapshots capable

### Ordering

Please contact your CITEC representative

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