

/// BLUEZONE CLOUD SERVICE

Technical Specifications Designed to deliver and maintain compliance.

The **bluezone** data center service is designed to address the challenge of establishing and maintaining a profound security profile of your organization. In addition, **bluezone** is the key to mitigating the risks of missed deadlines and budget overruns associated with delivering and sustaining regulatory and industry-specific compliance.

Each instance of **bluezone** is powered by **bluegrid**, the industry's first integrated security system built to address the complexity of the regulated data security standards. A number of grids, deployed on a single or redundant data center infrastructure, form a virtual security zone with one purpose: adherence to compliance requirements.

The **bluezone** service supports high-density solutions and large transaction volumes. Every component of the zone provides the redundancy required to maintain availability, fault tolerance and scalability for business growth. The initial zone capacity can be increased at the same location or extended further to metro-clustering scenarios.

Key Benefits

- ◆ Cost-effective cloud compliance certification
- ◆ Managed logical and physical security services
- ◆ Global presence and partner proximity hosting
- ◆ Continuous network topology improvement

Key Features

- ◆ Reliability, high availability and carrier diversity
- ◆ Low-latency, virtual private site inter-connects
- ◆ High-performance access to cloud platforms
- ◆ Transparent payment industry integration
- ◆ Complete hybrid package of secure services

Our philosophy is based on a "zero trust" approach, where the so called "trusted network" no longer exists. Access to sensitive data elements is denied to all, and allowed only on a need-to-know basis. All critical messages are logged and regularly inspected to comply with policies.

**Safeguards
your critical
data with the
highest levels
of security and
compliance.**

Every **bluezone** environment is a modern, hybrid bare-metal cloud designed for secure processing of data-intensive workloads while maintaining scalability, flexibility and operational efficiency.

Cloud Service	Gold	Platinum
Internet bandwidth (max)	1Gbps	10Gbps
Inter-connect bandwidth (max)	10Gbps	100Gbps
Local cross-connect types	S/MMF, CAT5	S/MMF, CAT5/6
Service availability (max)	99.99%	99.999%
Power and cooling redundancy	N+1	N+1, N+2
HVAC and green compliance	ASHRAE	ASHRAE, LEED
Onsite physical security team	24 x 7	24 x 7
Service provider compliance	SOC 1/2 Type II	SOC 1/2 Type II



Secure Hybrid Cloud Quickly provisioned to a trusted location.

Network Transport

- ◆ **Carrier Diversity** – multiple resident carrier transport.
- ◆ **Inter-connect Links** – fast metro-connect, proximity hosting and secure dedicated cross-connects.

Data Center Facilities

- ◆ **Power Supply** – N+1 redundant utility feeds, UPS systems and diesel engine generators.
- ◆ **Cooling System** – N+1 redundant centrifugal chillers, condenser water pumps and air handling units.
- ◆ **Physical Security** – shared cages, private suites, HID readers, motion sensors and 24 x 7 security guards.

Security Functions

- ◆ **Sensitive Data Protection** – data de-identification, encryption, tokenization and key management.
- ◆ **Financial Network Integration** – payment acquirer processing, credit checks and e-wallet enablement.
- ◆ **Security Event Management** – centralized message logging, event analytics and real-time alerting.
- ◆ **Digital Asset Archiving** – audit trail and private data retention on reliable, cost-effective disk storage.

Compliance Standards

- ◆ **Payment Security** – addresses all 12 areas of PCI Data Security Standard (DSS) requirements.
- ◆ **Federal Cloud Security** – provides FedRAMP based, agency-specific security and privacy controls.
- ◆ **Financial Cyber Security** – maintains OSFI regulated information security practices and controls.
- ◆ **Healthcare Privacy** – de-identifies and secures HIPAA governed protected health information (PHI).

Our B9 compliance goes above and beyond 9 prevalent regulatory standards. A shortest-path approach to protect privately identifiable information (PII) traceability of an individual identity alone or when linked to other factors of personal data. Security techniques employed by bluezone align with ISO/IEC 27000 and the Common Criteria family of international standards, including the guidelines for cloud computing solutions. Our hybrid cloud service, based on the bluegrid integrated security systems, offloads most of the effort in an independent compliance audit.

Reduced risk, ultimate security and long-term stability.

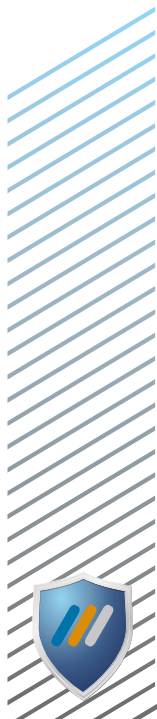
Scalable growth of secure footprints.

Shared Cage

Internet access: Tier 1 IP backbone
Threat prevention: DDoS mitigation
Inter-connect: single or multi-line fiber
Power supply: up to 4kW per grid, N+1
Physical security: mesh walls, shared cameras, card reader, locked panel

Private Suite

Internet access: Tier 1 IP backbone
Threat prevention: DDoS mitigation
Inter-connect: single or multi-line fiber
Power supply: 280+ kVA increments, 2N
Physical security: hard walls, dedicated cameras, biometric hand scanner



25%

Average cost savings on corporate WAN access.
Compliance certified.