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TECHNICAL:
eLynxx Infrastructure

Speed, security and continuity are crucial to your business operations. That is why our co-located enterprise-grade infrastructure is redundant, bullet proof and utilizes the latest technologies to ensure industry-leading uptime.

Data Center Overview

- Primary data center – Eastern USA (Virginia)
  - Secondary data center - Western USA (California)
- Encrypted using FIPS 140-2 compliant encryption protocols
- Adheres to security controls for ISO 27001, ISO 27018, SOC 1, SOC 2, SOC3, FedRAMP, HITRUST, MTCS, IRAP, and ENS.

Network Architecture

- Consists of four components
- Edge Network
  - Demarcation point between Microsoft networking and other networks (for example, Internet, Enterprise network)
  - Provides Internet and ExpressRoute peering into Azure
- Wide area network
  - Microsoft intelligent backbone network covering the globe
  - Provides connectivity between Azure regions
- Regional gateway
  - Point of aggregation for all of the datacenters in an Azure region
  - Provides massive connectivity between datacenters within an Azure region (for example, multi hundred terabits per datacenter)
- Datacenter network
  - Provides connectivity between servers within the datacenter with low oversubscribed bandwidth

Application Gateway

- Autoscaling allows for quick changes depending on traffic patterns
- Includes Web Application Firewall (WAF) to protect against any exploits or vulnerabilities
- URLS-based routing features

Comprehensive Data Management

- End-to-end lifecycle management, policy-based access control, and immutable (WORM) storage

Blob Storage

- Designed to store massive amounts of unstructured data
- Capabilities include:
  - High availability
  - Strong consistency
  - Disaster recovery capabilities

Security

- Prior access request and approval required
- Well defined access points, camera monitoring 24/7, and tall steel fences around perimeter
- Biometric and proximity card access control
- One floor access with biometric authentication
- Authentication with full Active Directory and role-based access control (RBAC), plus encryption at rest and advanced threat protection

Backup

- Unlimited data transfers whether inbound or outbound
- Able to retain short-term and long-term data
- Multiple storage options including:
  - Locally Redundant Storge (LRS)
  - Geo-Redundant Storage (GRS)
  - Zone-Redundant Storage (ZRS)

Our Team

- Various service teams and engineering groups that manage the support of the service
- 24/7 availability of engineers to resolve any possible service failures
- Internal users with specified access to data depending on level and needs of work

Storage

- Database Tier: HA HP StoreServ high-density fiber channel SAN
- Application Tier: HA NetApp FAS NAS arrays
- Thin provisioning and snapshot cloning for improved response time
- High-Performance FC Drives