



# Data Center Solutions



## DATA DISASTER RECOVERY SERVICES



### Data Disaster Recovery Services

The process, policies and procedures related to preparing for recovery or continuation of technology infrastructure critical to an organization. With the increasing importance of information technology for the continuation of business critical functions, combined with a transition to an around-the-clock economy, the importance of protecting an organization's data and IT infrastructure in the event of a disruptive situation has become an increasing and more visible business priority in recent years. Of companies that had a major loss of business data, 43% never reopen, 51% close within two years, and only 6% will survive long-term. We offer reliable continuation of your business critical functions around the-clock in the event of a natural or human induced disaster. Because if you fail, we fail.

### Gateway Gulf Disaster Recovery Services:

#### • Backup and Recovery

- Data Backup - The process of making copies of data to restore the original after a data loss event.

- Tape/disk backup - Backups made to tape/disk and sent off-site at regular intervals.
- Internet vault backup (Online)- Backups made directly to off-site disk

#### • Bare Metal Restore

A technique in data recovery where the backed up data is available in a form which allows one to restore a computer system from "bare metal", i.e. without any requirements as to previously installed software or operating system.

#### • Data Replication

The process of storing data on multiple storage devices to ensure consistency between redundant resources, such as software or hardware components and improve reliability, fault-tolerance, or accessibility.

- One-to-one
- One-to-many
- Transactional data replication (file/data level)
- Persistent data replication (block level)



## • High Availability of 99.995%

A system design protocol and associate implementation that ensures a certain degree of operational continuity during a given measurement period. Availability refers to the ability of the user community to access the system, and the term downtime is used to refer to periods when a system is unavailable. An availability of 99.995% corresponds to downtime of only 52.6 minute per year or 1.01 per week.

## • SERVERS

- Clustered firewalls
- Redundant load balancers
- HW/SW clustering
- Server and DB failover

## • NETWORK

- Multiple IP providers
- Redundant gateway/connection
- BGP routing
- Redundant power to equipment rack

## • STORAGE

- SAN data replication
- Redundant SAN/NAS appliances

## • Hot Standby

A failover mechanism to provide reliability in system configurations. When a key component fails, the hot standby is switched into operation to overcome an otherwise significant start-up delay.

- Storage-As-A-Service - Tiered storage solution
- Co-location Services
  - Self-service (facility) co-location
  - Managed co-location

## • Business Continuity

Standard disaster recovery solution enhanced with emergency preparedness and crisis management for business operations. Hot site provision to bring critical operations back online within minutes/hours of disaster

- Power – Generators stationed throughout the region for ready deployment
- Technology – PCs, servers, printers, drives, etc
- Space – Work space for key employees in DR event
- Connectivity – Satellite for data and voice

## • Value Added Services

- Analysis
  - Assess business operations & IT infrastructure
  - Establish RPO & RTO
  - Risk assessment (threat & risk analysis)
  - Business impact analysis
- Planning
  - Develop Strategy (HA/DR/BC)
  - Customize BC/DR service offerings
  - Create implementation roadmap
  - Establish ROI
  - Develop BC procedure
- Execution
  - Test, validate BC/DR service design
  - Implement solution
  - Impart training
  - Monitor & support service

