MINISTRYPLATFORM BACKUP AND DR

Topics

Disaster Recovery Scenarios

Basic Principals of MP Backups

HGT's Data Protection

DR Scenarios

Application Level

Server Level

Site Level

Application Level Disaster

- Data Corruption

- Accidental Deletion

- Malicious Modification

OS/Hardware Level Issue

- OS Corruption
- Hardware Failure

Site/Regional Level Issue

- Building Fire
- Natural Disaster
- Long-term Power Outage

What You Need To Back Up

- Full backups are nice, and please do them if you can. What is the minimum you need to restore MP?
  - Databases
  - FileStorage folder
  - Tools folder
  - Wwwroot folder
  - SSRS Key
  - SSL Cert

SQL

- If you have a SQL Server you should have SQL backups.
- A SQL backup job was configured for you by ThinkMinistry (or Higher Ground) during the software install process
- Did you know that the backup configured during the setup process won't help you AT ALL if your server dies?
- You need to copy the backups to something else on a regular (minimum daily) basis.
  - Tape
  - Disk
  - Another server
  - Offsite backup

Critical Databases

Names may vary

- Master

- MSDB

- MinistryPlatform

- ReportServer

- ReportServerTempDB

Files

Critical - Unique Data

- _MinistryPlatformFileStorage
- _MinistryPlatformTools
- Wwwroot (includes all MP webfiles)
- Application files for any custom apps you have developed or procured from another church

SSRS

- Most of what you need in SSRS is in the ReportServer database. But you must have a backup of the SSRS key to restore your database to a different installation of SSRS.

- The SSRS key backup doesn't need to happen on a regular basis. Unless you make a drastic change to your report server the backup you made on day 1 will still work as long as you have your server.

SSL Certificate

- This is "optional" in most cases but highly recommended. Most SSL CAs will re-issue your certificate if your server dies.

- This process can take a while since most CAs go through the same validation process for a re-issue that they do for an initial order or renewal.

- Each SSL cert only needs to be backed up once, but make sure you remember to do this every time you renew.

# HGT Hosting Info

Hardware Redundancy

DR Protection

HGT Hosting DR Protection

- Hardware Replication

- Backup to SAN every night

- Offsite backup every night
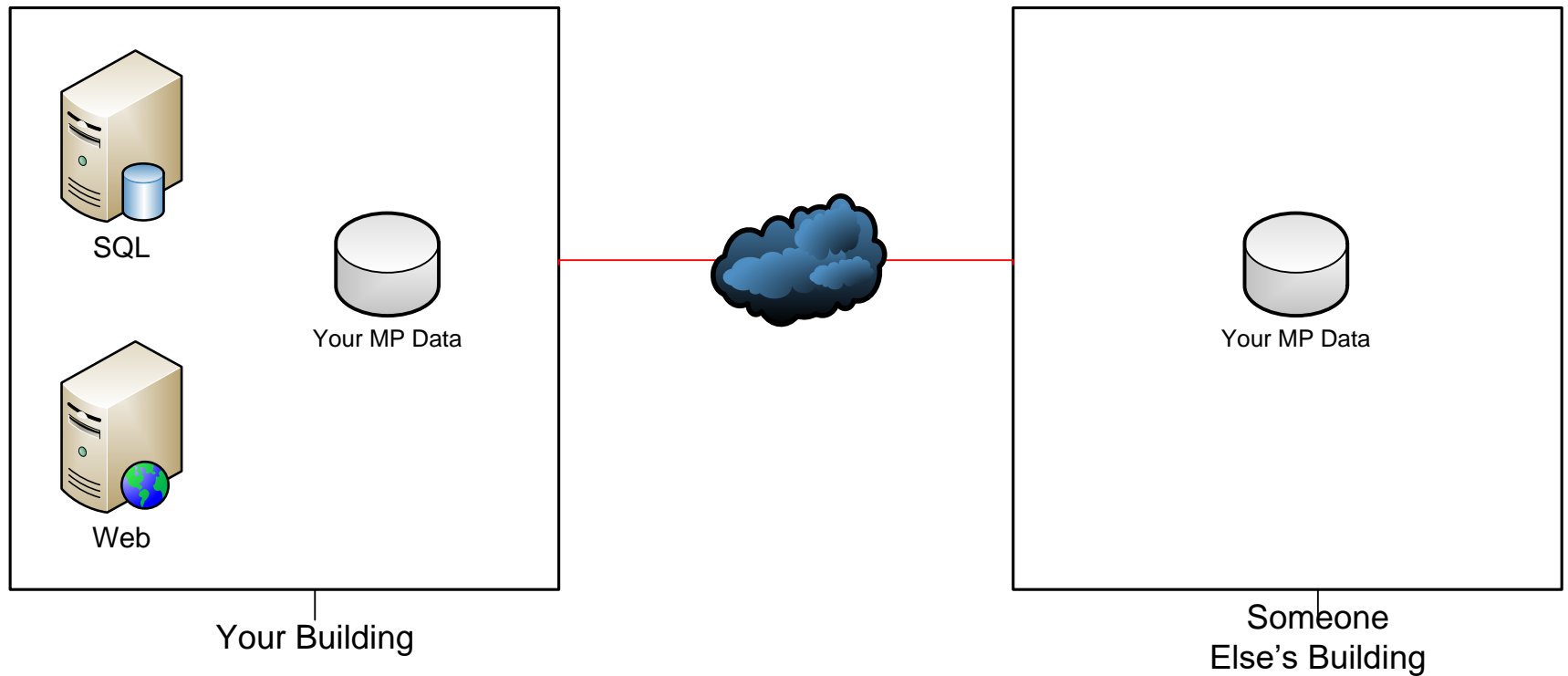
- Offsite backups written to tape every night

HGT Hosting Hardware Redundancy

- Multiple ISP Regional Point of Presence datacenter with connections to multiple backbones

- Redundant Firewalls

- Redundant Switches

- Generator power
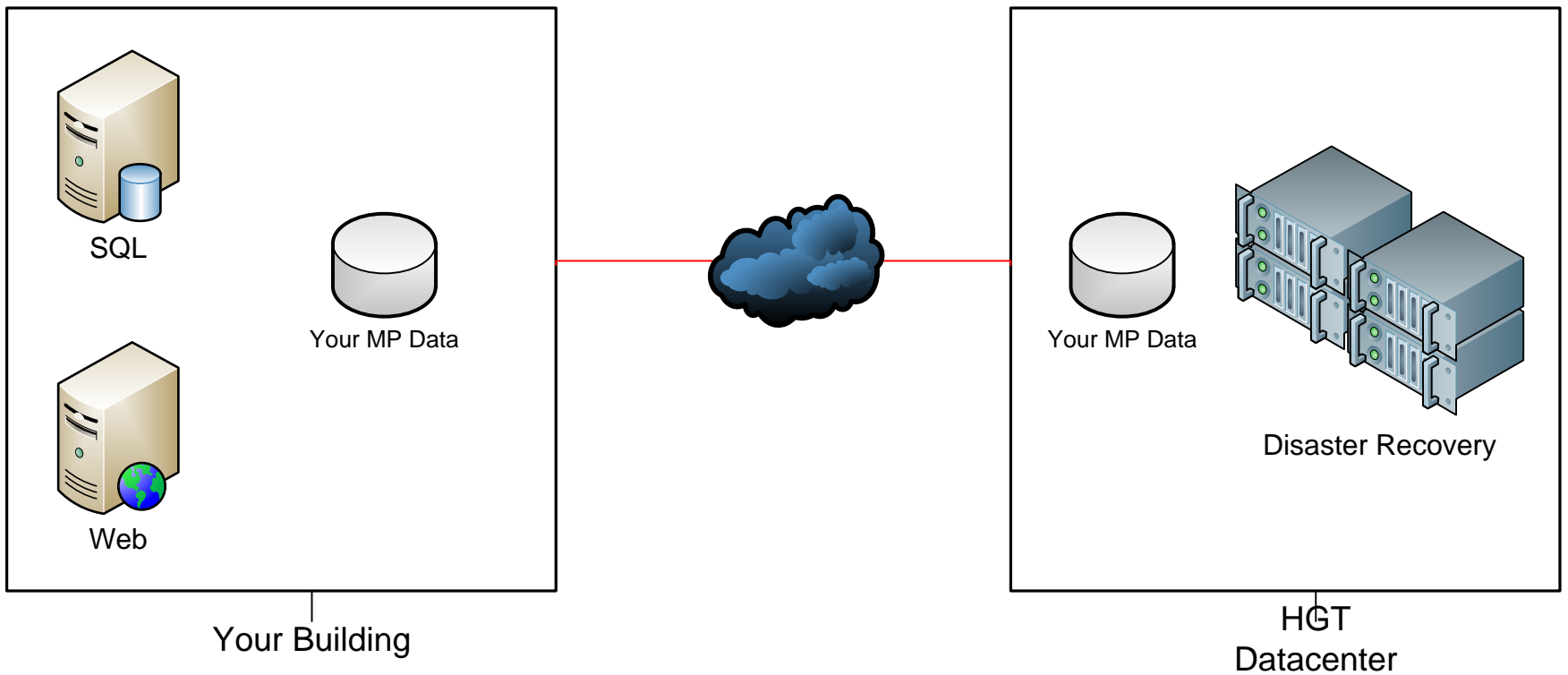
- Electronics-Safe Fire Suppression

Sample Customer Environment

ISP Internet Backbone

Dual 10GigE Replication

Primary Hyper-V

Replica Hyper-V
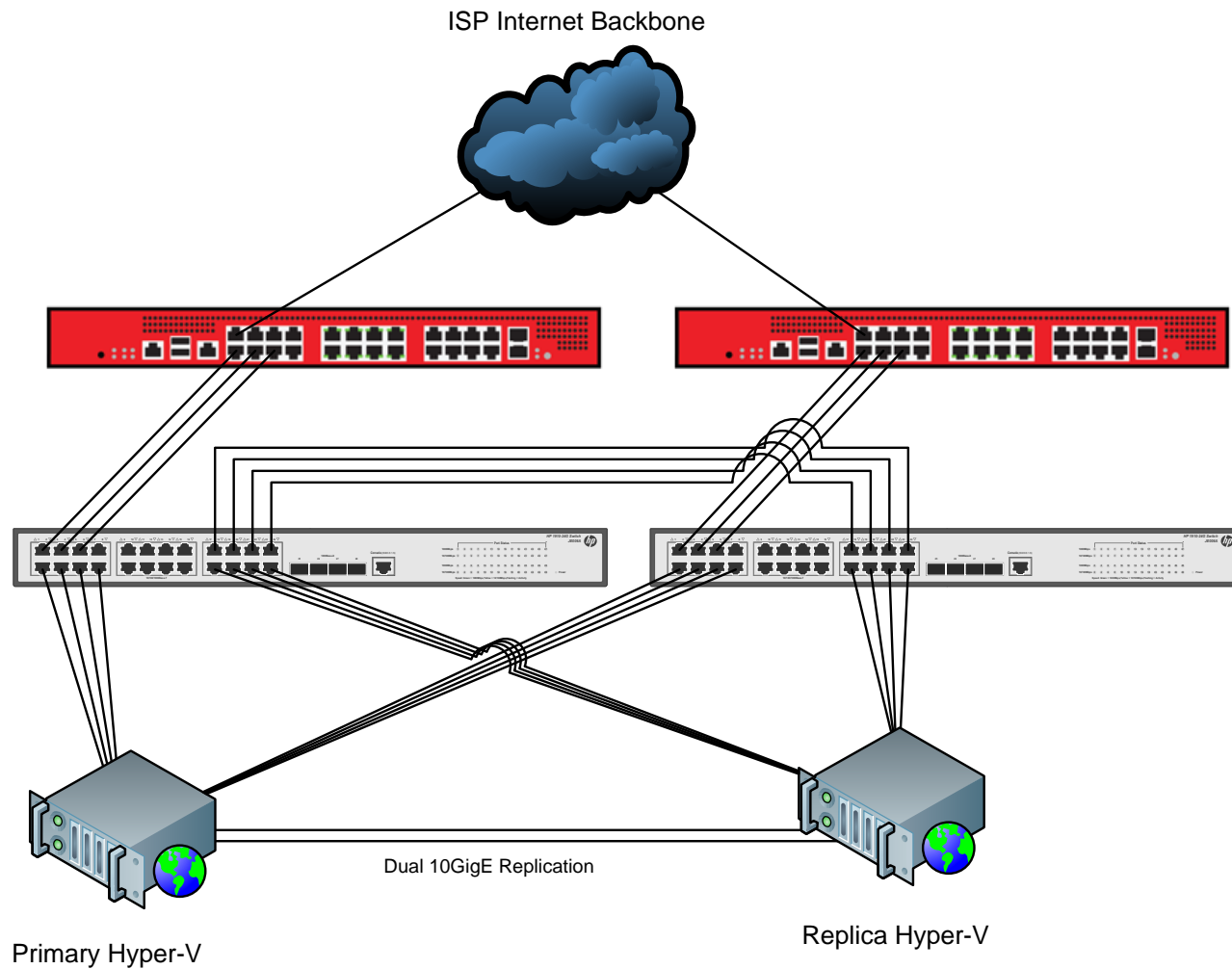
Common Outsourced Solutions

SQL

Your MP Data

Web

Your Building

Your MP Data

Someone
Else's Building

HGT Backup\DR Solution

What Is The Backup Process?

- Local application (TereoOBM) makes backups of SQL and files. TereoOBM interfaces directly with SQL so your offsite backup files won't depend on existing maintenance plans.

- TereoOBM compresses the files, encrypts them, and uploads them to our backup service.

- Every backup job will generate a report email showing success or failure. The report can be emailed to multiple stakeholders.

How Do We Protect Your Data?

- Your data is transmitted and stored using AES-256 encryption. You set the encryption key. The files are worthless without that key.

- We replicate your data to a second location.

- We backup to tape in both locations
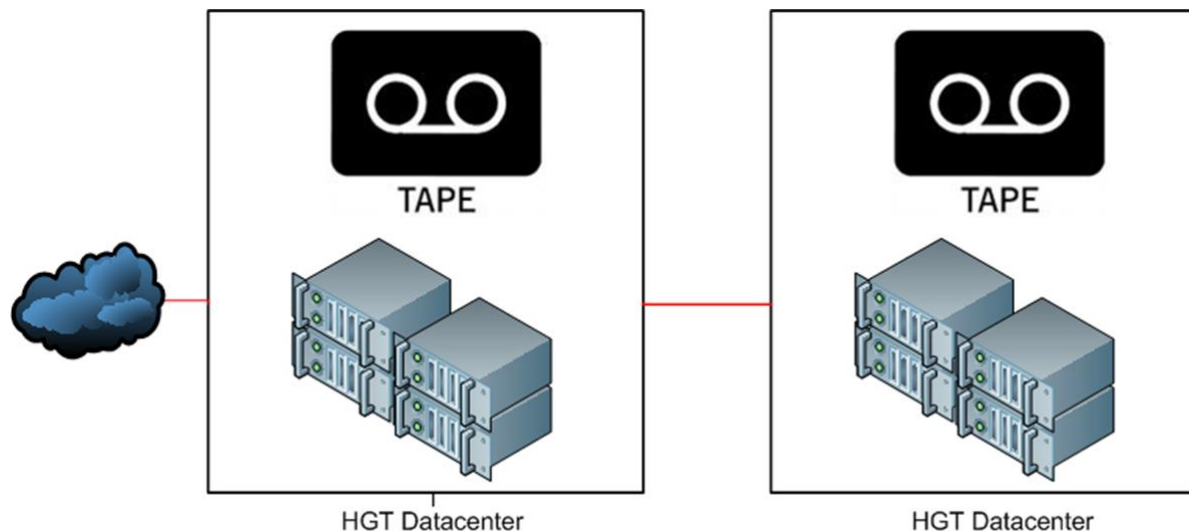
What Does It Cost?

- Examples:
  - Example 1 - $52.50/month
    - 20GB Quota (~30GB average compressed)
    - Single Server Environment
  - Example 2 - $61.50/month
    - 40GB Quota (~60GB average compressed)
    - Single Server Environment
  - Example 3 - $65.00/month
    - 40GB Quota (~60GB average compressed)
    - Split Role Environment

For More Information

Our MinistryPlatform Backup/DR and Hosting Services can be tailored to meet the needs of any size church. Contact us for custom pricing.

Email support@highergroundtech.com

Call 901-333-7777

Or find me at MPUG