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## Server Backup Options – Frontier Optional Feature

### OVERVIEW

Matrix Systems offers three levels of backup server options; cold, warm, and hot backup that can be used in conjunction with Frontier to assure maximum security in the event of a primary server hardware failure. The following options are available based on your needs and budget:

- **Cold Backup** – A separate server is located on site at your facility loaded and configured with all necessary software for the Frontier system. In the case of the primary server failing, an administrator must manually bring up the Cold Backup server and load the most current database backup.
- **Warm Backup** – The primary and warm backup servers are both live on the network at all times and their databases are continuously synchronized through SQL “merge replication”. An administrator just needs to change the IP address to switch over to the warm backup server.
- **Hot Backup** – Both servers are synchronized and processing data at all times. The Hot Backup server detects a failure on the primary server and switches over automatically. No administrator is required to run a utility or switch over. The Hot Backup solution provided by Matrix Systems uses one of several 3<sup>rd</sup> party High Availability Products.:
  - Marathon VFT
  - WAN Sync SQL HA
  - MiMix HA1
  - Steeley LifeKeeper

### REQUIREMENTS

Contact Matrix Systems for requirements based on the type of server desired.

Matrix Systems maintains a policy of continuous product improvement. Specifications are subject to change at any time.  
\*Does not include peripherals such as cameras, video and audio patch panels and cables.