

# PostgreSQL Geo redundant backups

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### Geo-restore

You can restore a server to another Azure region where the service is available if you have configured your server for geo-redundant backups. Servers that support up to 4 TB of storage can be restored to a geo-paired region, or to any region that supports up to 16 TB of storage. For servers that support up to 16 TB of storage, geo-backups can be restored in any region that supports 16 TB server storage. See [Azure Database for PostgreSQL pricing tiers](#) for the list of supported regions.

Geo-restore is the default recovery option when your server is unavailable because of an incident in the region where the server is hosted. If a large-scale incident in a region results in an outage of a database application, you can restore a server from the geo-redundant backups to a server in any other region. There is a delay between when a backup is taken and when it is replicated to the secondary region. The delay can be up to an hour, so, if a disaster occurs, there can be up to one hour data loss.

During geo-restore, the server configurations that can be changed include compute generation, vCore, backup retention period, and backup redundancy options. Changing pricing tier (Basic or Memory Optimized) or storage size is not supported.

### Point-in-time Restore

Available with either locally redundant or geo-redundant backups

Restore to a point in time due to system or user error

### Geo Restore

Only available with geo-redundant backups

Restore to a new region in the event of an Azure regional failure

The recovery time is usually less than 12 hours  
Performing a restore creates a new server  
You can not restore a deleted server

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