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| **Empty TableRecovery from Data LossTable dropped, data deletion, update gone awry, etc** |
|  | Databases in full recovery model and log file regularly backed up to support point-in-time restores |
|  | If bulk logged recovery model is used, it is only used when required for specific transactions that need to be minimally logged like bulk inserts |
|  | Sufficient data storage exists to be able to restore a copy of largest database if needed to recover lost data |

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| **StorageRecovery from Server/Storage FailureSAN/NAS/DAS failure, server failure, VM host failure, local storage failure, etc** |
|  | Database files physically located in different storage systems |
|  | Backups stored remotely from server (in addition to or instead of stored locally) |
|  | Locally stored backups stored on a different physical drive from the database files (don’t want to lose db files and backups at same time) |
|  | Custom server configurations and objects scripted out or redundant on multiple servers |

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| **CorruptionRecovery from CorruptionSingle page restore, partial restore, index recreation** |
|  | Backups and restores use WITH CHECKSUM option |
|  | Logs backed up for partial restore |
|  | CHECKDB run regularly on all databases |
|  | Corruption scenarios practiced by all team members |
|  | Backups regularly tested to verify restorability |

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| **TsunamiRecovery from Localized DisasterHurricane, earthquake, explosion, power outage, flood, etc** |
|  | Data is redundant across multiple data centers in different geographical locations (sites) |
|  | Applications can be re-pointed or redirected to a different site without code changes or dev intervention |
|  | Critical IT staff can perform 100% of duties from a remote location |
|  | Backups stored separate from any data center to ensure access no matter which site affected |

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| **Fallout ShelterRecovery from Widespread DisasterMassive asteroid, super volcano, zombie apocalypse, alien attack, other cataclysms** |
|  | Data is redundant across multiple data centers in different continents (sites) |
|  | Failover to DR site is automatic in case no IT staff can connect |
|  | IT staff located in geographically remote locations (different continents) |