

The Teradata logo is displayed in white, uppercase letters on an orange rectangular background in the top-left corner. The background of the entire slide is a blurred image of a server room with blue and yellow lights.

TERADATA®

Teradata Business Continuity Solutions

Recovery Center Overview

Mike Mota, Senior Business Continuity Consultant

Disaster Recovery Requirements.

Requirements should dictate the Recovery Option:

Availability is tolerance for planned and unplanned downtime.

Recoverability is tolerance for outage during a catastrophic event.

- Availability.
 - What are the expectations for user access (access hours, by day)?
 - What is the window for planned downtime?
 - What is the expectation for unplanned downtime?
- Recoverability.
 - Have you quantified the business value/impact for each the business function (application)?
 - What are your documented Recovery Time Objectives? (hours / days / weeks ?)
 - What are your documented Recovery Point Objectives? (hours / days / weeks ?)
 - Do you have your data restoration procedures documented? (yes / no)
 - Do you have off-site tape storage? (yes / no)
- Sizing the recovery option
 - What % of production data do you want to recover? (25% / 50% / 100%)
 - What is acceptable performance degradation?

Teradata Disaster Recovery Summary

Business Function Impact	Recovery Time Objective	Teradata Recovery Options	Solutions	Advantages
IMPORTANT "Supports" the business	Weeks	Post-Disaster (1)	DR Planning	Leverage forward
SIGNIFICANT "Controls" the business	Days	Shared Resources (2)	Recovery Center or In-house DR	Cost/best practices RTO/control
CRITICAL "Runs" the business	Hours/Minutes (Availability)	Dual Systems (3)	Two production systems DR in the Cloud	RTO/data Data/users

Teradata Business Continuity

Data Protection	Recoverability	Availability
Backup Archive Restore Off-site data Data replication (Data Domain/NBU)	Second (replacement) system RTO / RPO Data restoration	Dual systems implementation Planned and Unplanned downtime Data synchronization

BCS Decision Chart

Customer Requirements
RTO/RPO

Weeks
6-8 weeks
DR Planning

Days
1-10 days
Recovery Center
In-house DR
Use Test/Dev

Hours
Dual Systems
DR in the Cloud

Annual Strategic Review

Recovery Center Access Solution

Leverage Teradata Resources:

- Staffed with Teradata Certified Professionals
 - Consulting before, during, and after DR Test included
 - Leverage and learn best practices
 - Create “production-like” recovery system ready for data restoration
 - Test restore and optimize archive strategy
- Fully secured environment - 24x7x365 facility
 - Isolated network as customer endpoint
- Access to Teradata equipment and resources
 - Scalable and flexible as requirements change
- Shared resources and shared cost
 - Recovery System dedicated for test and disaster
 - Risk analysis and capacity planning
- Coordinate with Partners
 - Recovery of data warehouse environment

“ What keeps me up at night is not being down for minutes, its being down for days.” *It was estimated that after 21 days, 58% of their revenue would be lost because their distribution centers would be unable to replenish the stores.*

– CIO of a large retailer

Teradata Disaster Recovery Steps

- Declare disaster
 - Off-site data at Recovery Center or tapes shipped
 - Remote Login capability
 - Prepare security access and customer workspace
- Provide customer specific recovery system
 - Nodes, DASD, BAR, special equipment
- Synchronize production and recovery system software
 - OS, data base, BAR
 - Apply software changes/upgrades
- Restore business critical data
 - Execute data restoration recovery scripts
- Establish network access
 - Update data loads to recovery point
 - Provide user/application access



Disaster Example

Major Areas of Consideration

