

The Modern Mainframe – At the Heart of Your Business

Keep Your Business Running When Disaster Strikes



What Are ODI's Needs?

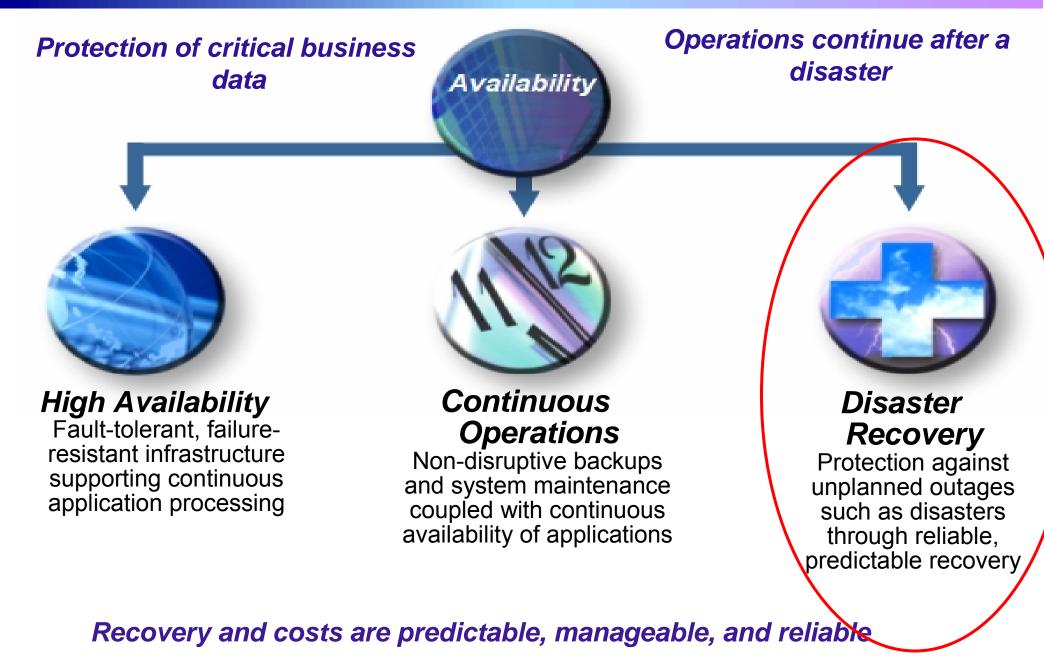
- ODI is a worldwide insurance company
- In times of disaster ODI has to be very visible and reliable
- ODI must have its systems continuously available at all times

I can't afford to lose any data, and I want to be online in one hour after a disaster



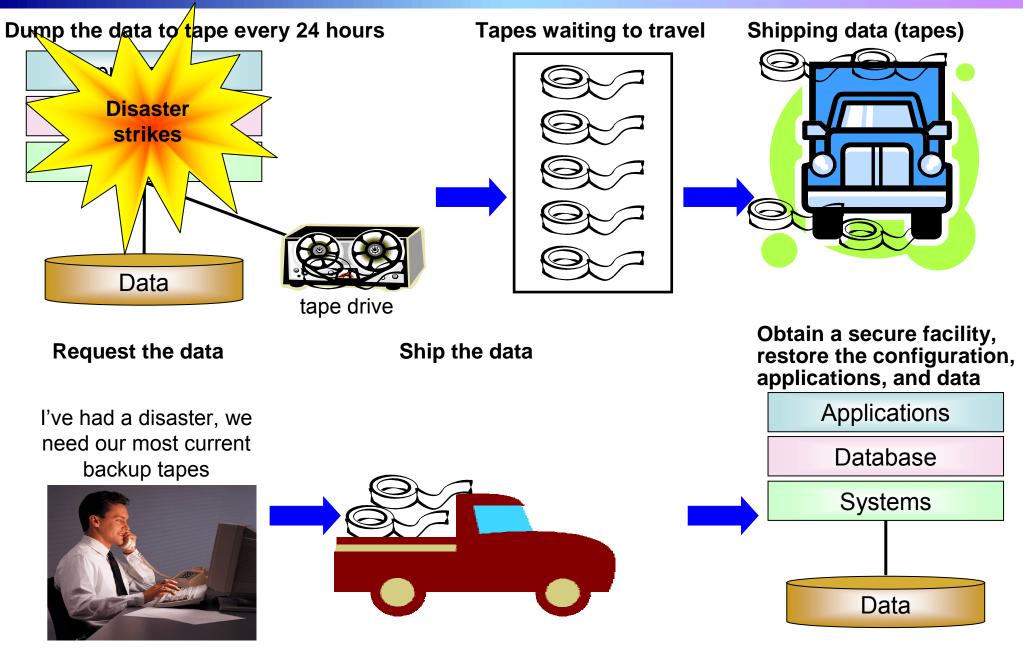
On Demand Insurance CIO

Aspects of Availability



07 - Disaster Recovery v3.7.ppt

Pick-up Truck Access Method (PTAM)

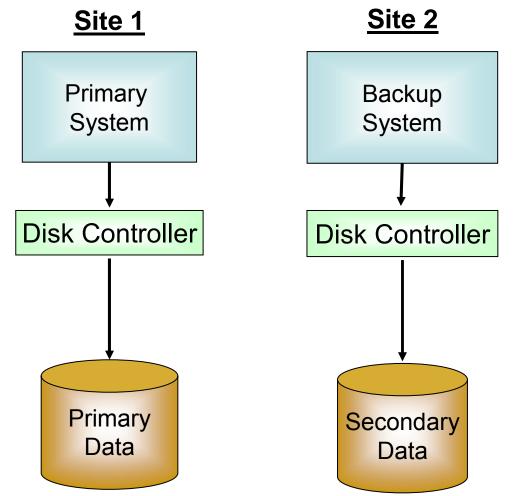


A Better Solution - GDPS

- GDPS is a software capacity to fail over to an alternate (backup) site
- It has been ushered in by an increase in the number of security breaches, regulatory requirements, and unfortunately by the events of 9/11/2001 and others around the world
- With GDPS, customers can be up an running within one hour following a disaster, with no data loss

GDPS

- GDPS manages the application environment, and the consistency of data
- It providing full data integrity (across volumes, subsystems, operating system platforms and sites)
- It provides the ability to perform a normal restart in the event of a site switch, thus minimizing the duration of the outage



GDPS Uses Restart to Improve Failover Time

Achieve Application and Database <u>Restart</u>

- Consistent, repeatable, fast
- Database Restart: To start a database application following an outage without having to restore the database
 - This is a process measured in minutes

Avoid Application and Database <u>Recovery</u>

- Unpredictable recovery time, usually very long and very labor intensive
- Database Recovery:
 - Restore last set of Image Copy tapes and apply log changes to bring database up to point of failure
 - This is a process measured in hours or even days





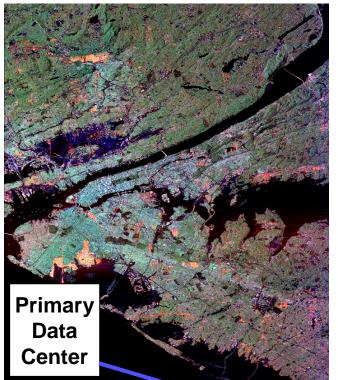


GDPS Disaster Recovery Solutions – Depending on Distance

GDPS/Metro Mirror	GDPS/Global Mirror
Synchronous. Application impact with distance	Asynchronous. No application. impact
Up to 100 km	Virtually unlimited distance
zSeries & Open Data	zSeries Data •z/OS •Linux on zSeries LPAR or Guest •VM, VSE (consistent data if 1 CU)
Single Sysplex spanning configuration	Requires additional MIPS on secondary site to support System Data Mover (SDMs)
Highly Scalable. Unlimited configuration	Highly Scalable. Up to 285 coupled SDMs

Data Centers

NYC



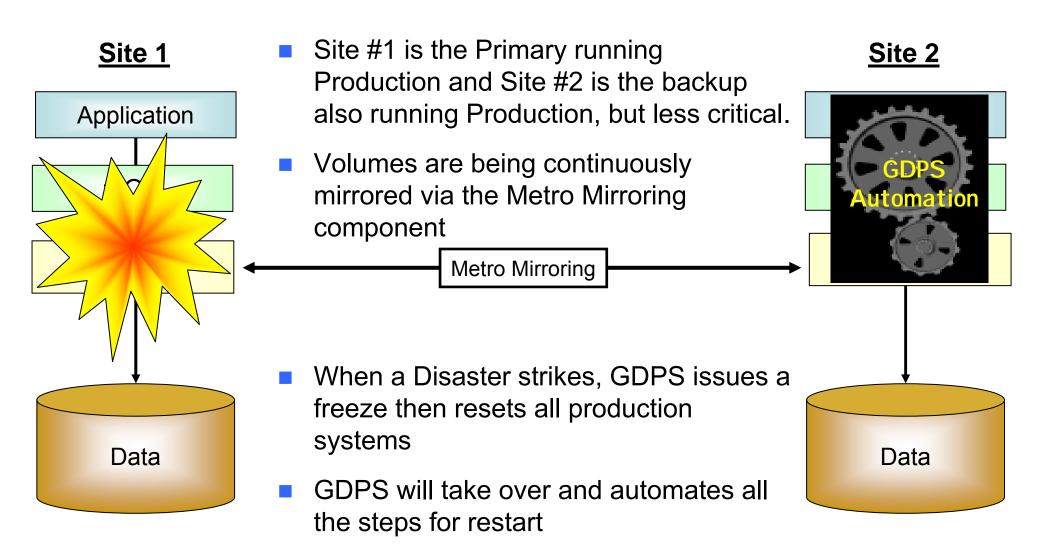
- The heartbeat of the primary system is listened to by the backup system or controlling system
- Remote data center in the Morristown, N.J. area which is approximately 80 kilometers from NYC

Data Center

Morristown, N.J.



GDPS – Switchover



Site 2 is the production site

GDPS – A Real Disaster – Fire

