



IBM TotalStorage Productivity Center for Replication

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What is TPC for Replication?

Cost effective DASD replication solution for continuous availability and to support installation disaster recovery objectives:

RPO (Recovery Point Objective)
and RTO (Recovery Time Objective)

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What is TPC for Replication?

- **Volume level Copy Service Management**
Manages Data Consistency across a set of volumes
- **Coordinates Copy Service Functionality**

FlashCopy
Metro Mirror
Global Mirror
Metro Global Mirror
- **Ease-of-use**

Single point of control
Graphical User Interface and CLI
Source and target volume matching
SNMP alerts

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- **Disaster Recovery Manager for Storage**

Site Awareness
Redundant Management Servers
Disaster Recovery Testing



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Pre- Requisites for TPC-R

1. WAS 6.1
2. DB2 v8.1 or above

Also required:

- TCP/IP (for discovery and SNMP alters)
- A DFSMS PTF that allows commands to be issued via CCW
- **OA21013**

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Installation of TPC-R on z/OS

1. SMP/E installation of TPC-R Server
2. Creation of data schema for TPC-R v3.3
3. Post installation work (Program Directory):
 - Application installation
 - JVM
 - Properties files
4. Configuring JDBC provider for DB2 Universal JDBC driver and Data source to connect to TPC-R Database

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TPC-R Roadmap:

- **TPC-R v3.1 – GA June 2006**
 - AIX, Linux, and Windows

- **Porting TPC-R to z/OS**
 - TPC - R v3.3
 - AIX, Linux, Windows, and z/OS

 - GA – May 2007

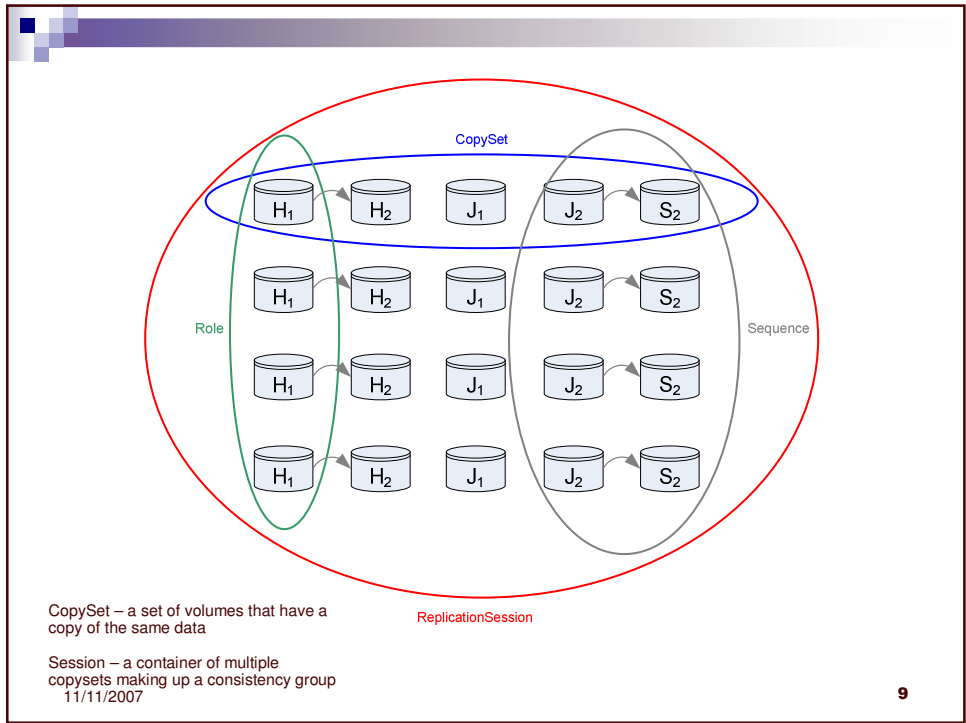
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TPC-R v3.3 Live Demo on z/OS

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Supported Session Types by TPC-R

FlashCopy	Metro Mirror	Global Mirror	Metro / Global Mirror (TPC-R v3.3)
<ul style="list-style-type: none"> Point in time copy Available on: DS8000, DS6000, ESS, SAN Volume Controller 	<ul style="list-style-type: none"> Synchronous mirroring Available on: <ul style="list-style-type: none"> DS8000, DS6000, ESS SAN Volume Controller 	<ul style="list-style-type: none"> Asynchronous mirroring Available on: <ul style="list-style-type: none"> DS8000, DS6000, ESS SAN Volume Controller 	<ul style="list-style-type: none"> Three site synchronous and asynchronous mirroring Available on: <ul style="list-style-type: none"> DS8000

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Backup Slides

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Recovery Time Objective (RTO)

The Recovery Time Objective is the time needed to recover from a disaster or, saying it another way, how long you can afford to be without your systems.

Recovery Point Objective (RPO)

Recovery Point Objective describes the age of the data you want the ability to restore in the event of a disaster. For example, if your RPO is 6 hours, you want to be able to restore systems back to the state they were in, as of no longer than 6 hours ago.

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