PPRC TSO Commands

Description

CDELPAIR – Delete PPRC Pairs
The CDELPAIR command specifies the primary and secondary volumes to remove from PPRC.

CDELPATH – Delete Paths
The CDELPATH command deletes all established PPRC paths between the source and target subsystems.

CESTPAIR – Establish Pairs
The CESTPAIR command establishes the PPRC relationship between the source and target volumes.

CESTPATH – Establish Paths
The CESTPATH command to establishes ESCON or FCP (fibre channel protocol) paths between a source and target subsystem (Global Copy) or between a master ESS and ESS subordinates in a Global Mirror session.

CGROUP – Controls Volume Groups
Controls the operation of PPRC volume pairs on a logical subsystem or single storage control:
CGROUP FREEZE suspends mirroring, and
CGROUP RUN re-establishes mirroring.

CQUERY – Query PPRC Status
The CQUERY command to queries PPRC status for volumes and paths. The CQUERY command can be issued to either the primary or secondary volumes, however if the host system does not have connectivity to either volume, information about that volume cannot be returned.

CRECOVER – Recover the volumes
The CRECOVER command is issued from the recovery system to gain control of a disk volume on its DASD subsystem or storage control. It forces the secondary volume into simplex state and can relable the volume if desired.

CSUSPEND – Suspend PPRC Pairs
The CSUSPEND command suspends PPRC sessions between primary and secondary volume pairs. PPRC stops transferring data to the secondary volume. Changes occurring on the primary subsystem are recorded in a bitmap in the control unit unless the PRIMARY operand is used.

Related / Useful z/OS Operator Commands

DEVSERV—Query Device
The DS QD command provides useful information about a device address including the associated SSID, CU Serial Number, and volume serial information.

DS QD, nnnn, 1, TYPE=ALL (where nnnn is the unit address)

DEVSERV PATHS—Query Paths
The DS QP command displays information about the channel paths defined to the device.

DS QP, nnnn
PPRC TSO Commands

CDELPAIR Syntax
CDELPAIR DEVN(device_number) -
PRIM(ssid serialno cca|lun lss) -
SEC(ssid serialno cca|lun lss) -
OPENDVCS(YES|NO)

CDELPAIR Examples
For CKD volumes:
CDELPAIR DEVN(X'D204') -
PRIM(X'1112' 12345 X'04') -
SEC(X'111A' 98765 X'04')

For open system volumes:
CDELPAIR DEVN(X'1420') -
PRIM(X'FFFF' 76543 X'7C' X'16') -
SEC(X'FFFF' 7940 X'4D' X'18')

CDELPATH Syntax
CDELPATH DEVN(device_number) -
PRIM(ssid serialno|wwnn lss) -
SEC(ssid serialno|wwnn lss)

CDELPATH Examples
CDELPATH DEVN(X'D370') -
PRIM(X'1112' 12345 X'06') -
SEC(X'111A' 98765 X'07')

CESTPAIR Command Syntax
CESTPAIR DEVN(device_number) -
PRIM(ssid serialno cca|lun lss) -
SEC(ssid serialno cca|lun lss) -
OPENDVCS(YES|NO) -
CASCADE(YES|NO) -
MODE( Owen|sealed) -
CRIT(YES|NO) -
ONLINE(YES|NO) -
ACTION(FAILOVER|FAILBACK) -
MSGREQ(YES|NO)

CESTPAIR Command Examples
For CKD volumes:
CESTPAIR DEVN(X'D402') -
PRIM(X'D400' 24886 X'02' X'06') -
SEC(X'7300' 4680 X'09' X'03')

For open system volumes:
CESTPAIR DEVN(X'F920') -
PRIM(X'1112' 2411598764C11AAA X'06') -
SEC(X'111A' 2411598764C37AAA X'07')

CESTPATH Syntax
CESTPATH DEVN(device_number) -
PRIM(ssid serialno|wwnn lss) -
SEC(ssid serialno|wwnn lss) -
LINK(linkaddr) -
CGROUP(YES|NO) -
RESETHP(YES|NO)

CESTPATH Examples
CESTPATH DEVN(X'0142') -
PRIM(X'2114' 58119) -
SEC(X'2115' 12345)

CESTPATH DEVN(X'D200') -
PRIM(X'D200' 32178 X'07') -
SEC(X'E200' 37831 X'07') -
OPENDVCS(YES)

CGROUP Command Syntax
CGROUP DEVN(device_number) -
PRIM(ssid serialno lss) -
SEC(ssid serialno lss) -
FREEZE(RUN)

CGROUP Command Examples
CGROUP DEVN(X'2420') -
PRIM(X'2114' 58119) -
SEC(X'2115' 12345)

CGROUP DEVN(X'9700') -
PRIM(X'2114' 58119) -
SEC(X'2115' 12345)

CGROUP DEVN(X'1203') -
PRIM(X'3118' 58119 X'06') -
SEC(X'4118' 12345 X'06') -
FREEZE

Notes:
- Iss is required if the storage control supports logical subsystems
- DEVN primary device number—4 digit HEX