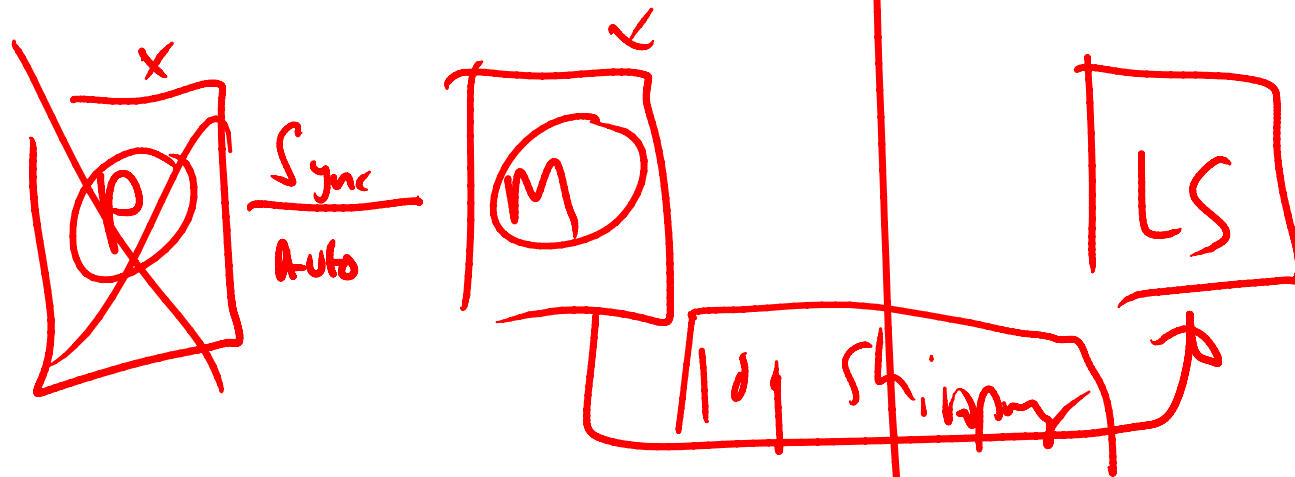


Data Center 1

Data Center 2

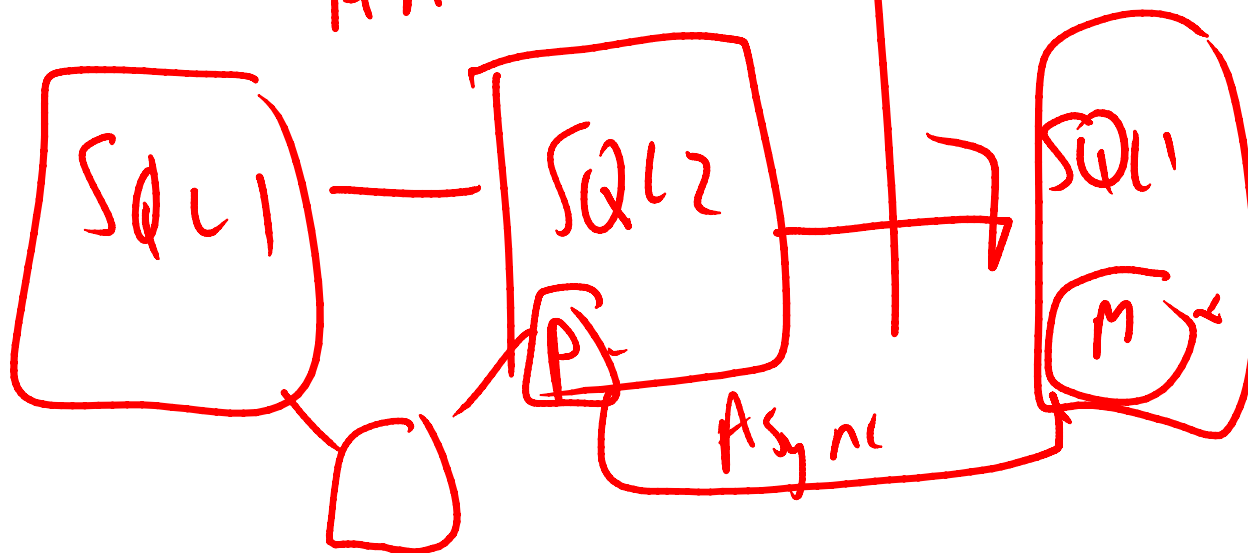


This slide was discussing DBM for intra-DC HA and log shipping for cross-DC DR.

FCI

HA

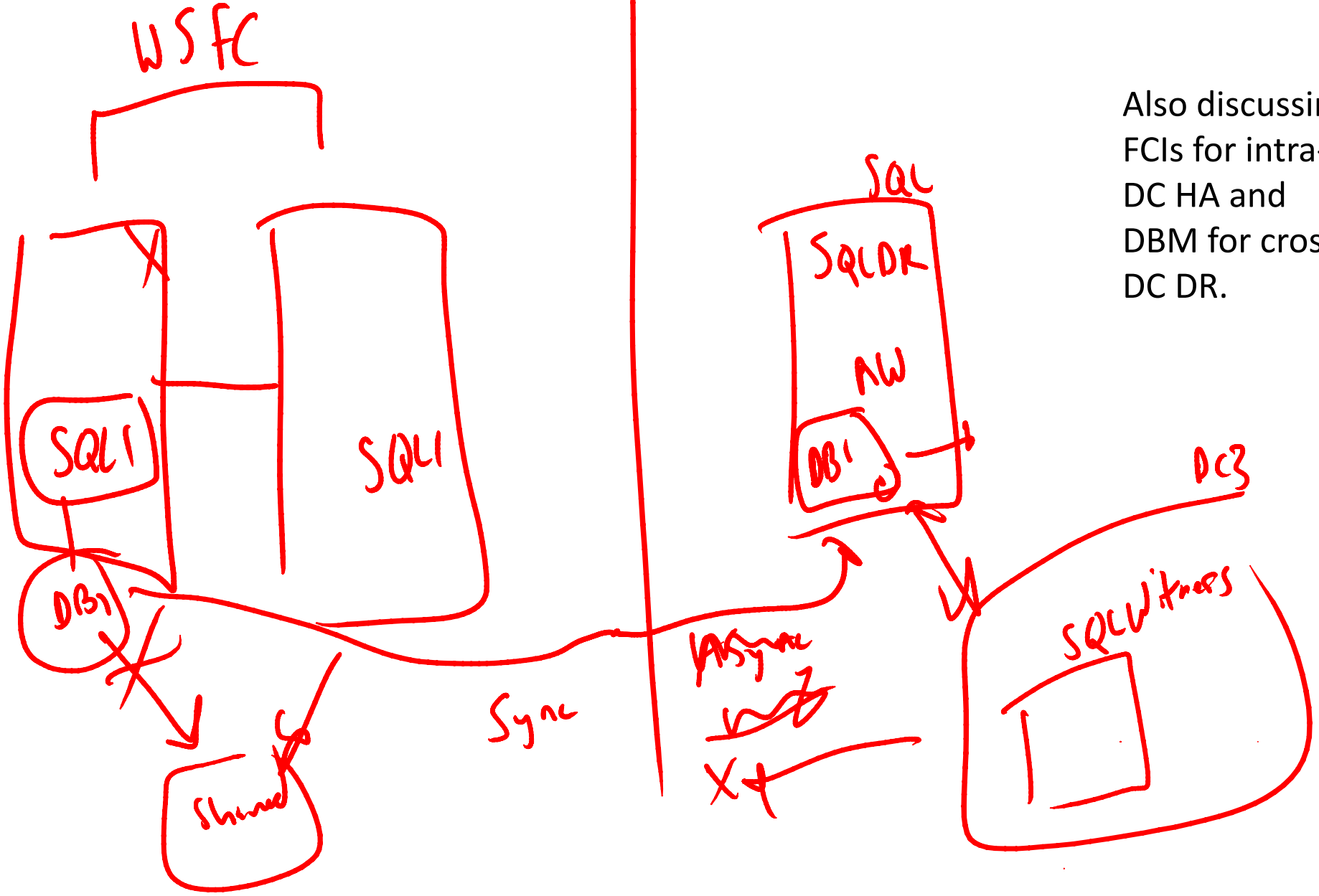
PR



Also discussing FCIs for intra-DC HA and DBM for cross-DC DR.

~~DC1~~

DC2

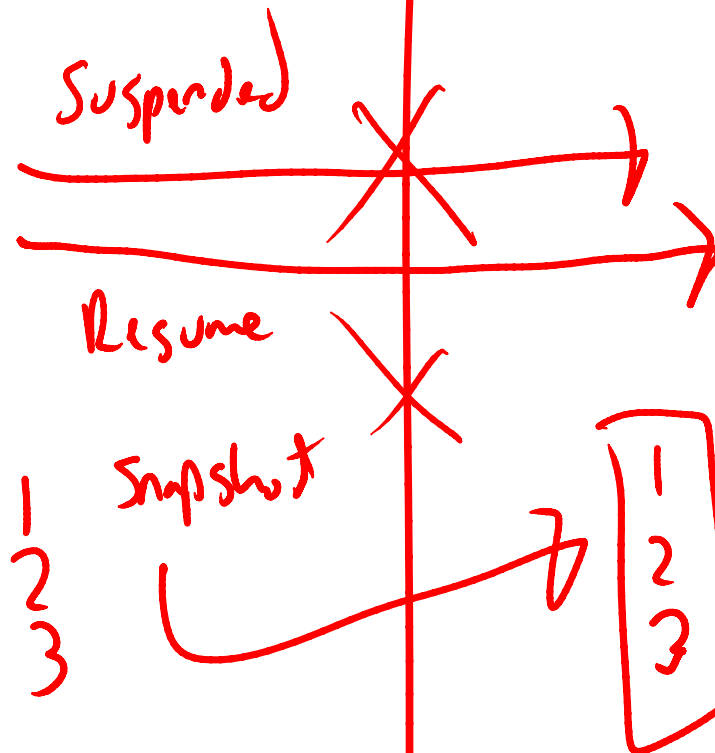


Also discussing
FCIs for intra-
DC HA and
DBM for cross-
DC DR.

PC1

PC2

R_m
+ p/s

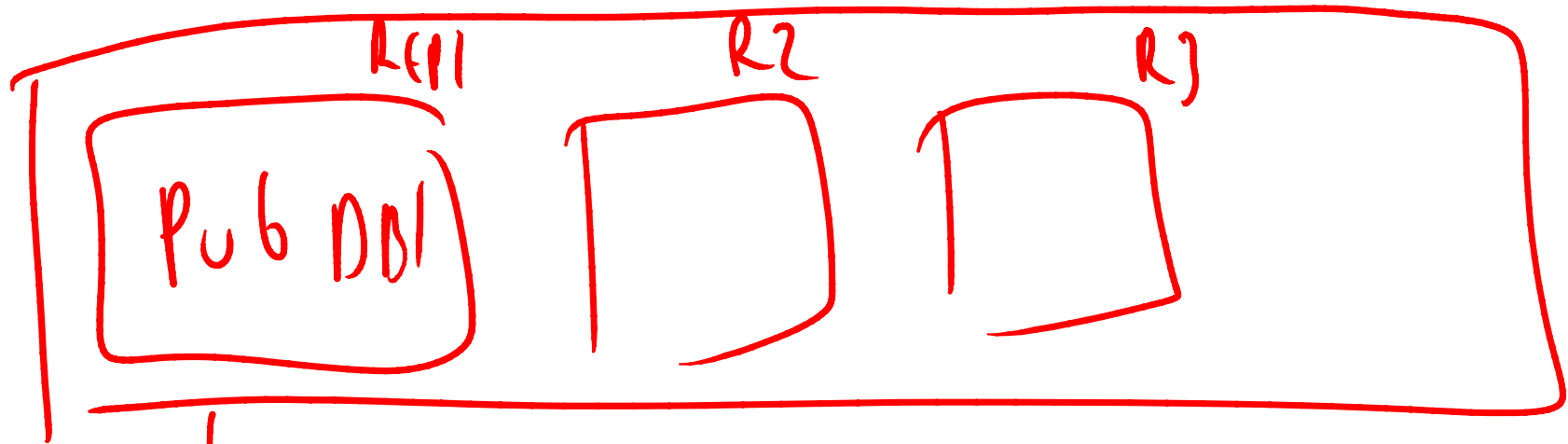


Force Service

IVDS

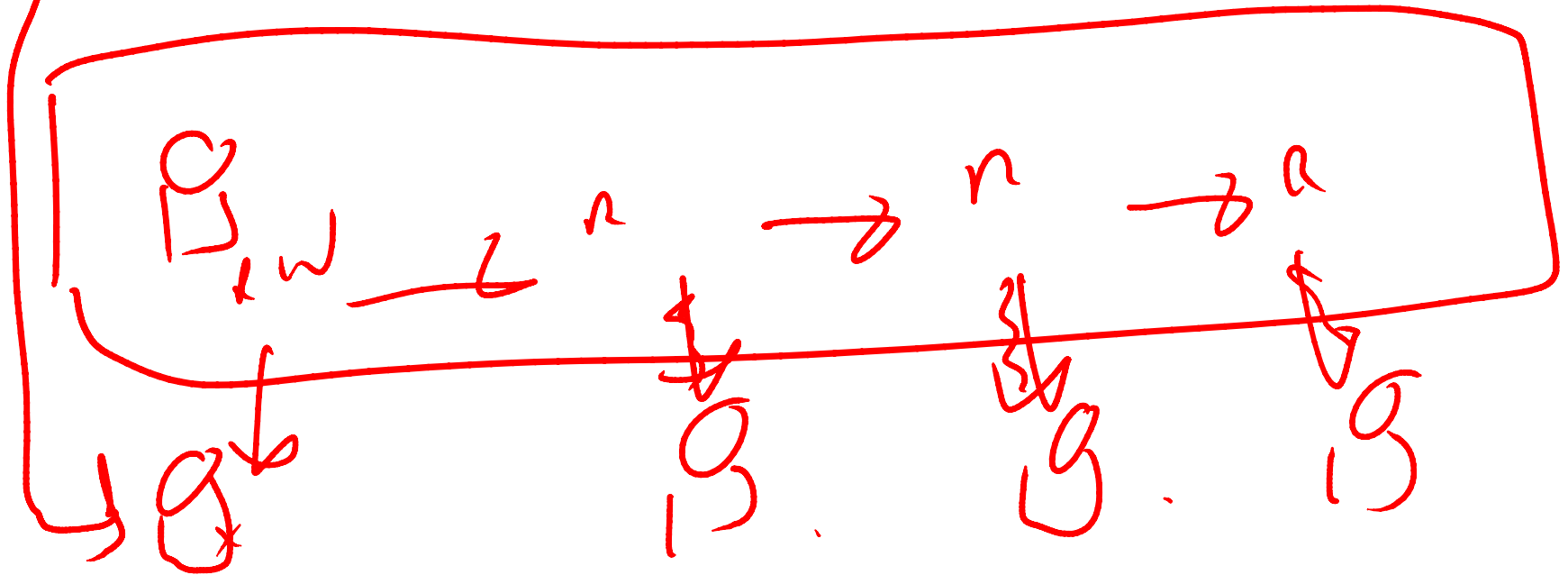
Discussing suspended
mirroring session and data
salvaging process

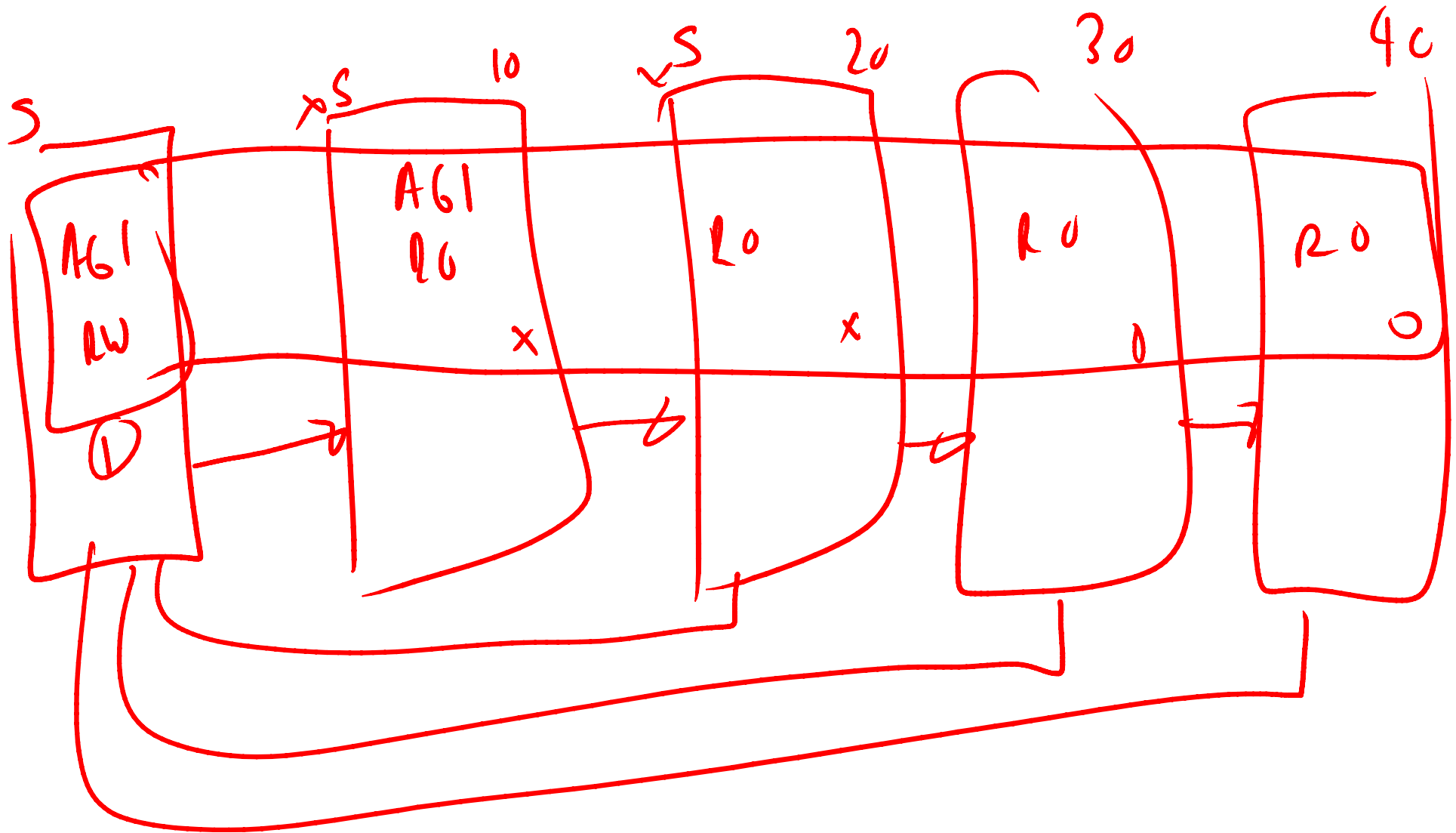
A61



Discussing using
Availability Groups for
publishers and subscribers

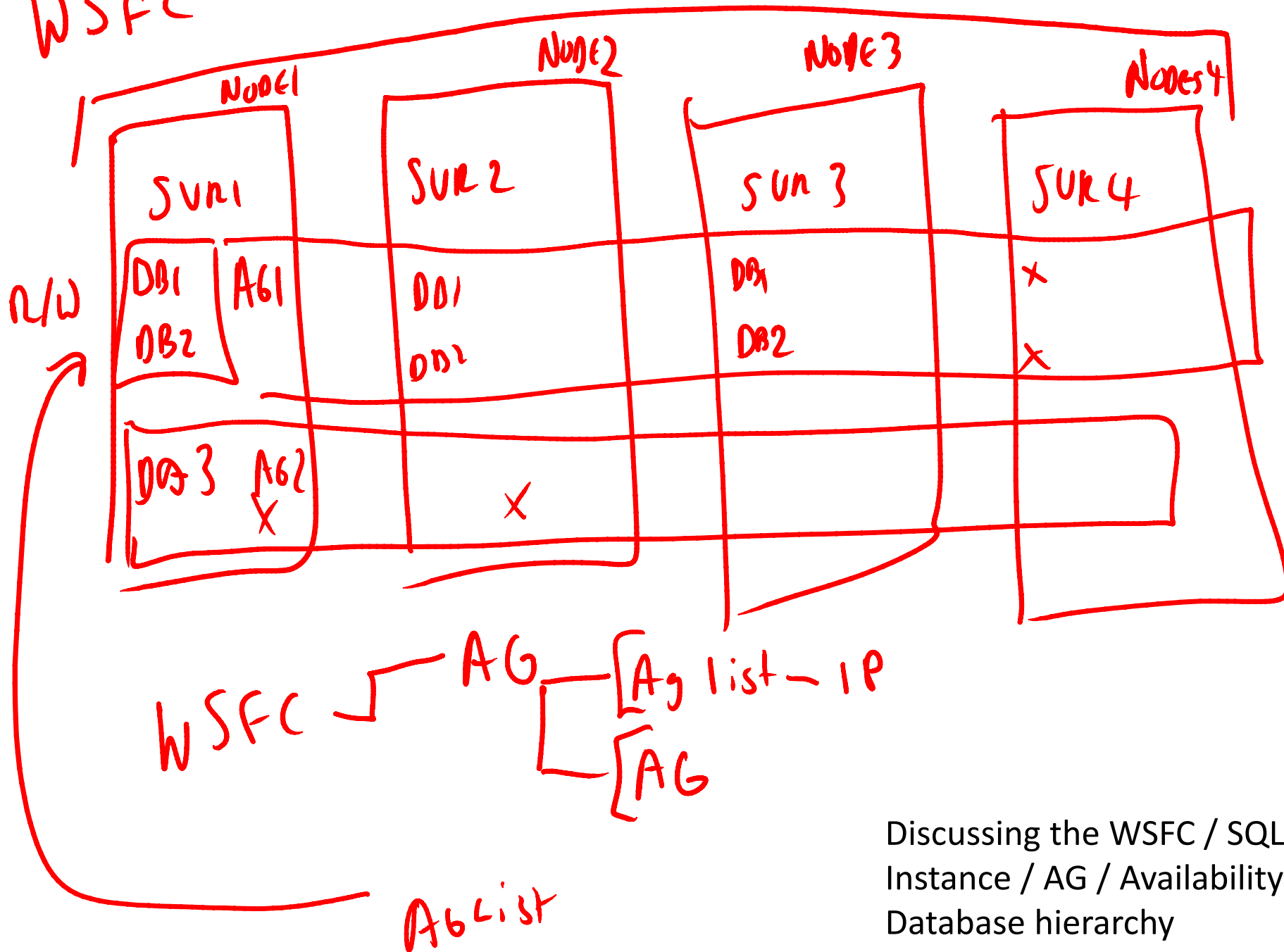
A62



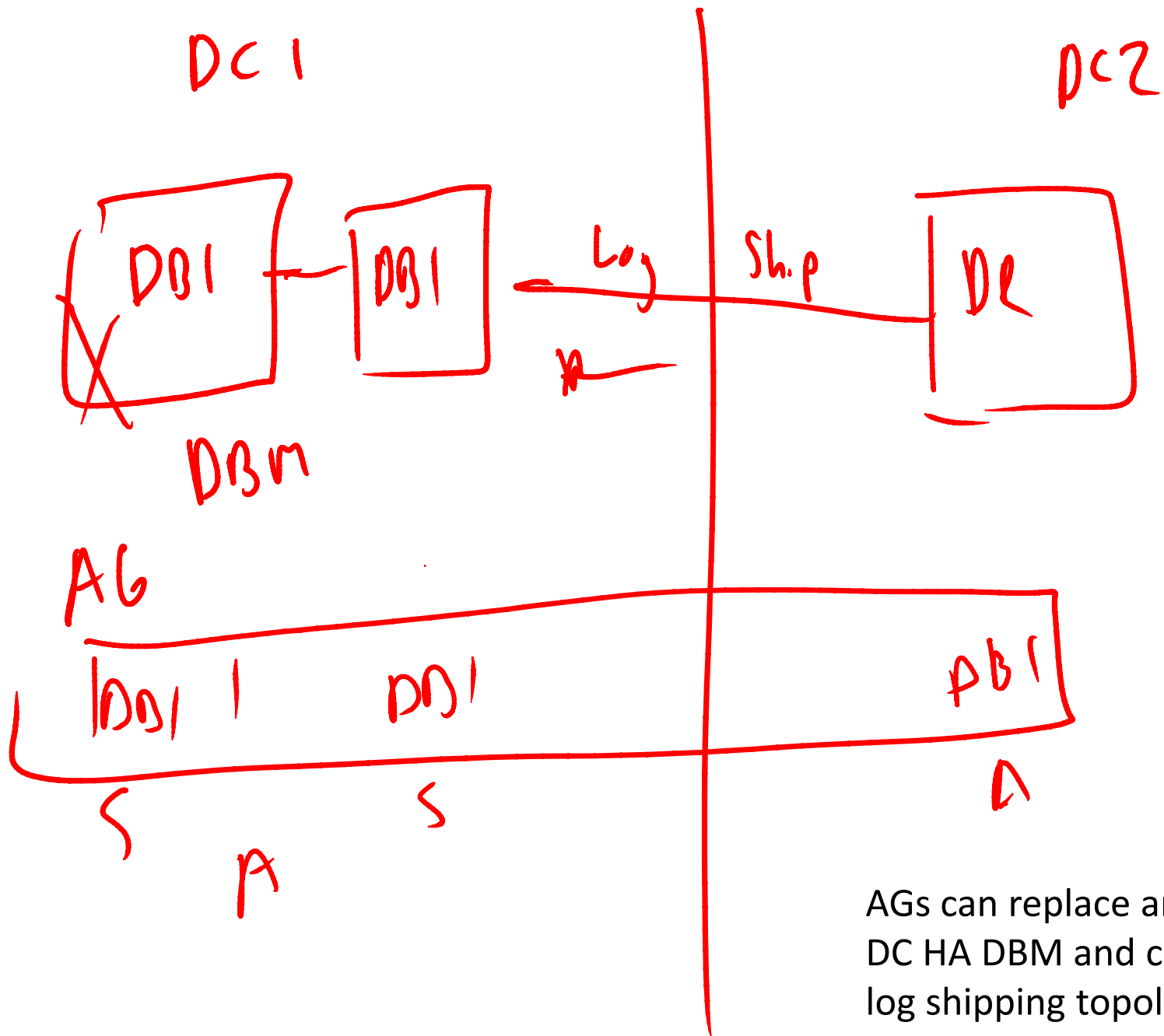


Availability groups only move data from the Read-Write replica to the associated read-only replicas. Read-only replicas do not stream data to other read-only replicas.

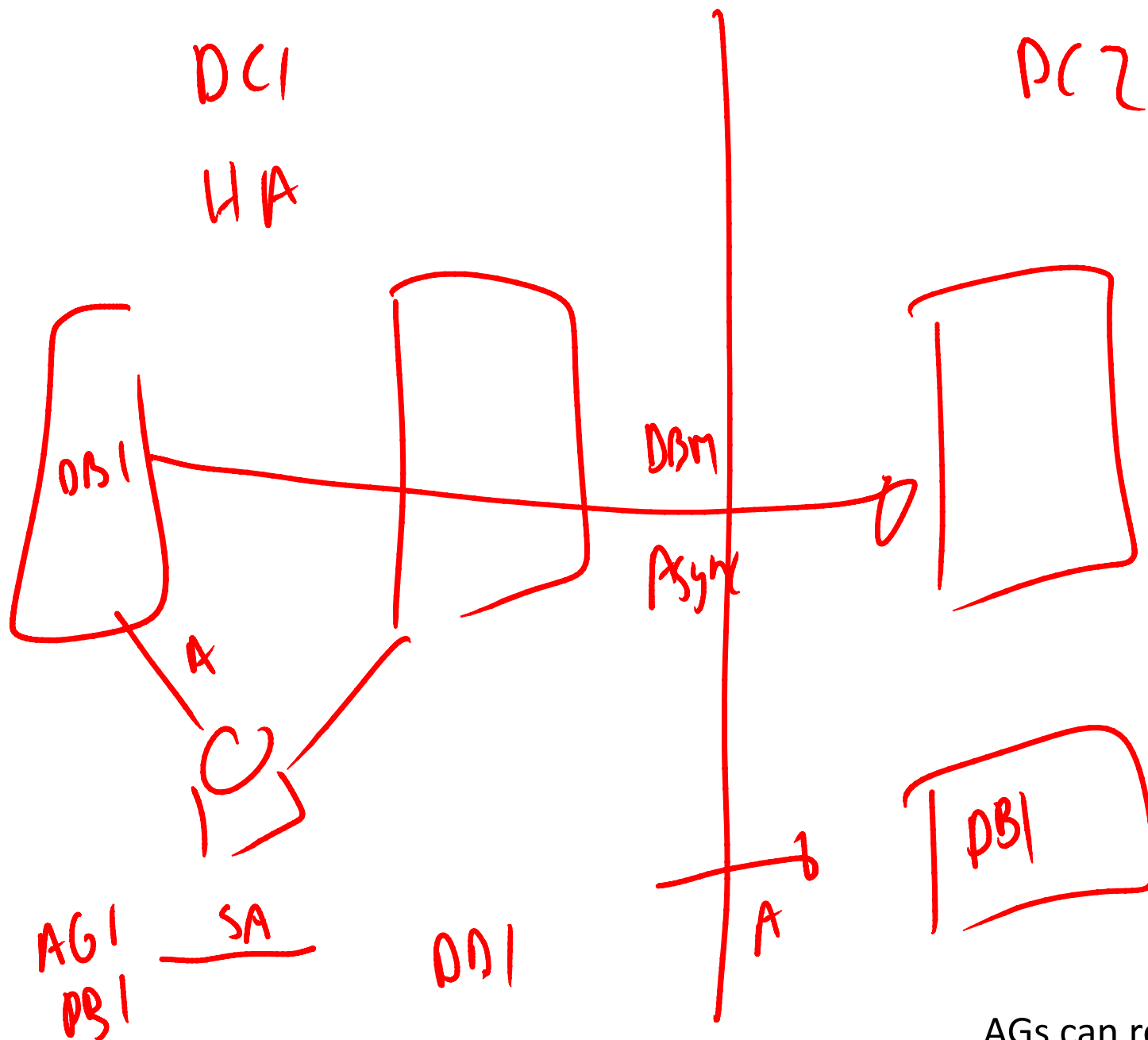
WSFC



Discussing the WSFC / SQL Instance / AG / Availability Database hierarchy



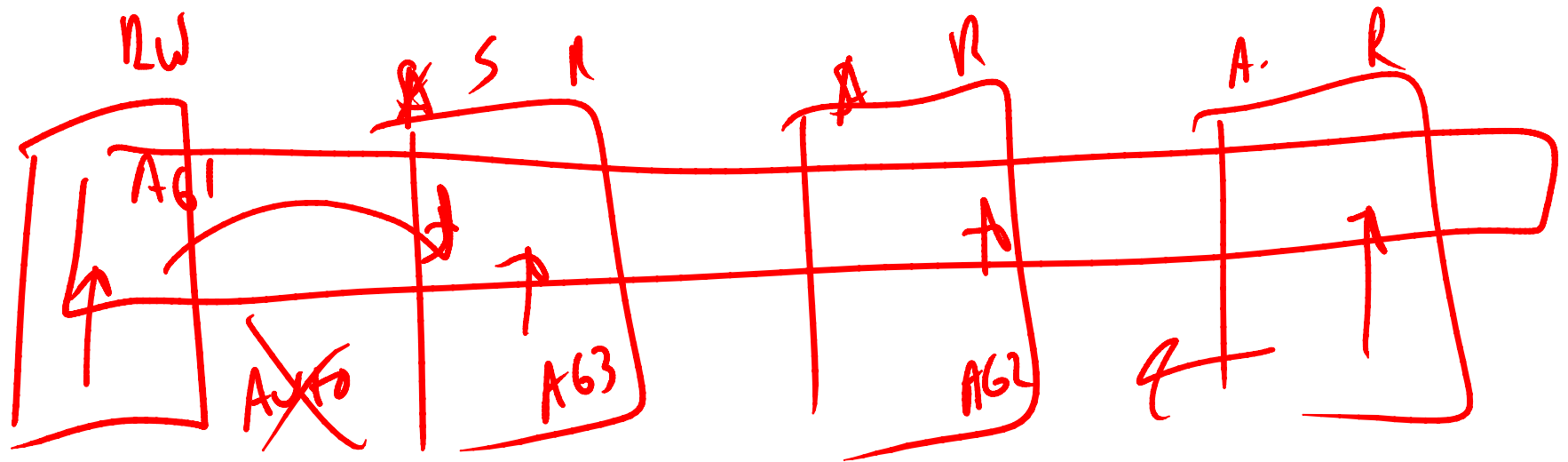
AGs can replace an intra-DC HA DBM and cross-DC log shipping topology



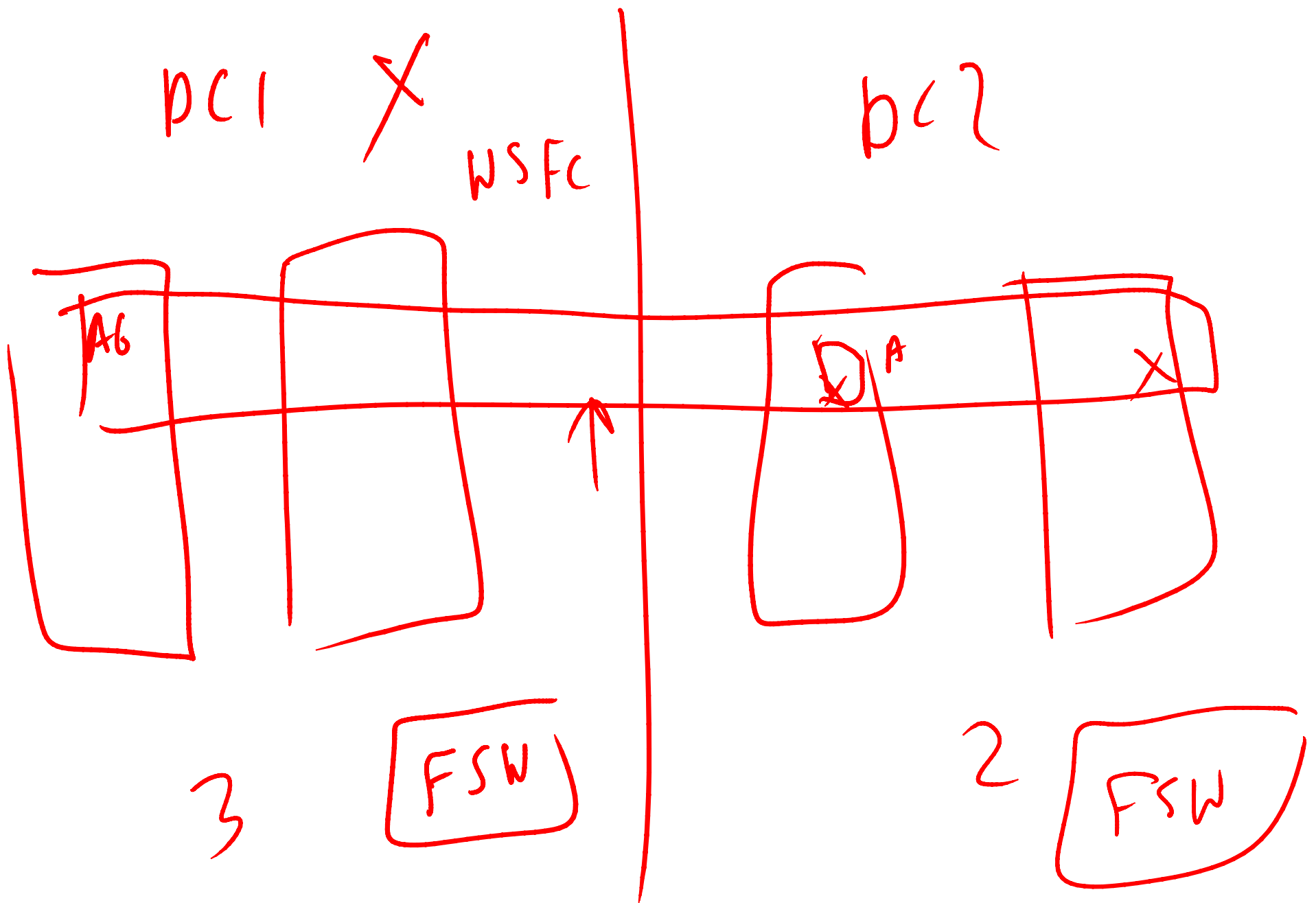
AGs can replace an intra-DC SQL FCI and cross-DC DBM topology

□ Rolling upgrades
{

 Stand alone
FCI



The rolling upgrade process for AGs is similar to DBMs – but with more replicas (when applicable)



Quorum voting allows you to disable votes for nodes that you DON'T want to influence the primary DC

WSFC 2008 R2

2012

✓

Alter Server Config
SQL SP1



Cross WSFC AG migration
is possible using SQL
Server 2012 SP1