Session 2496

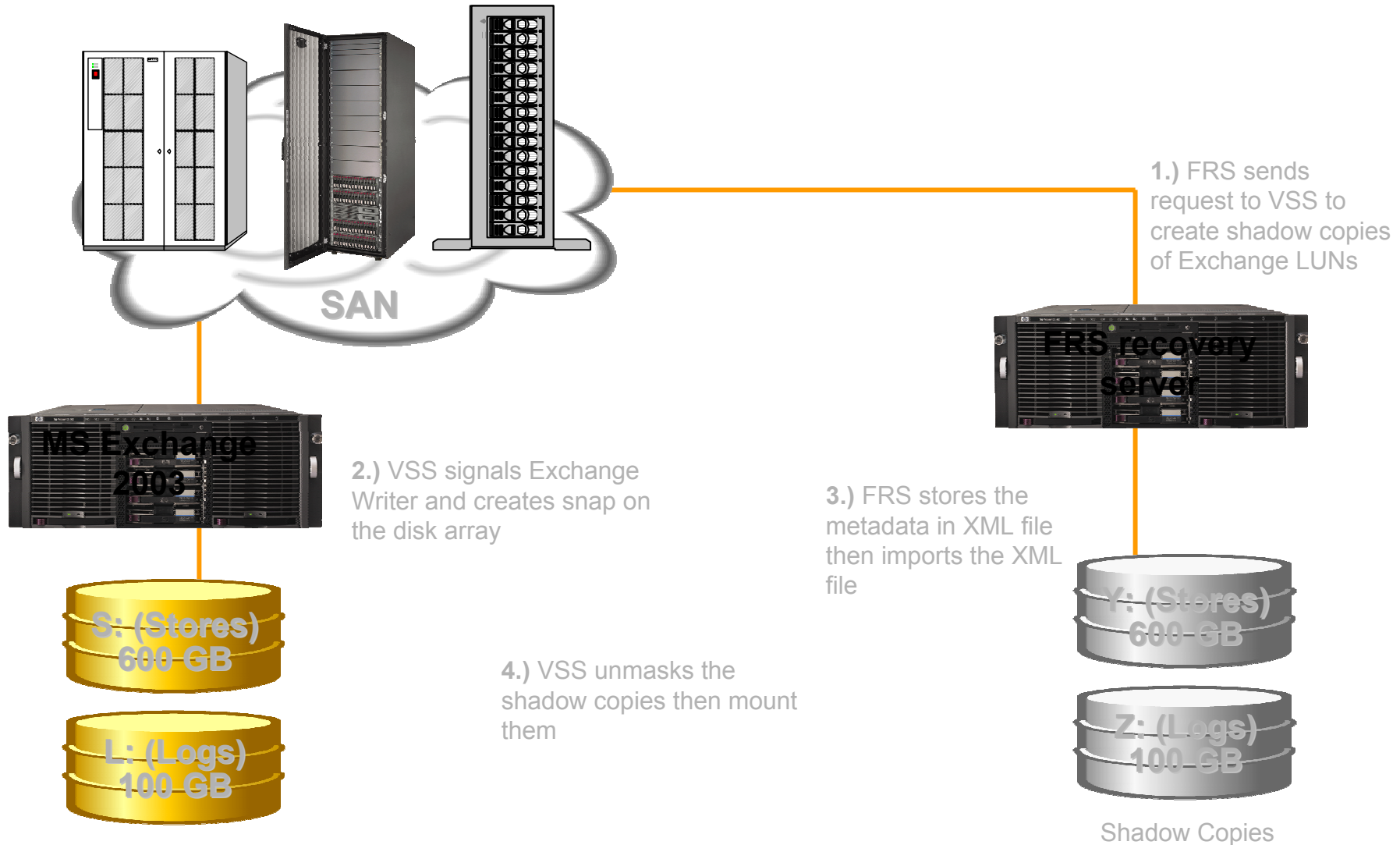## Windows 2003 Storage Overview

Test Server

Rudy Castillo

Windows Solutions Architect

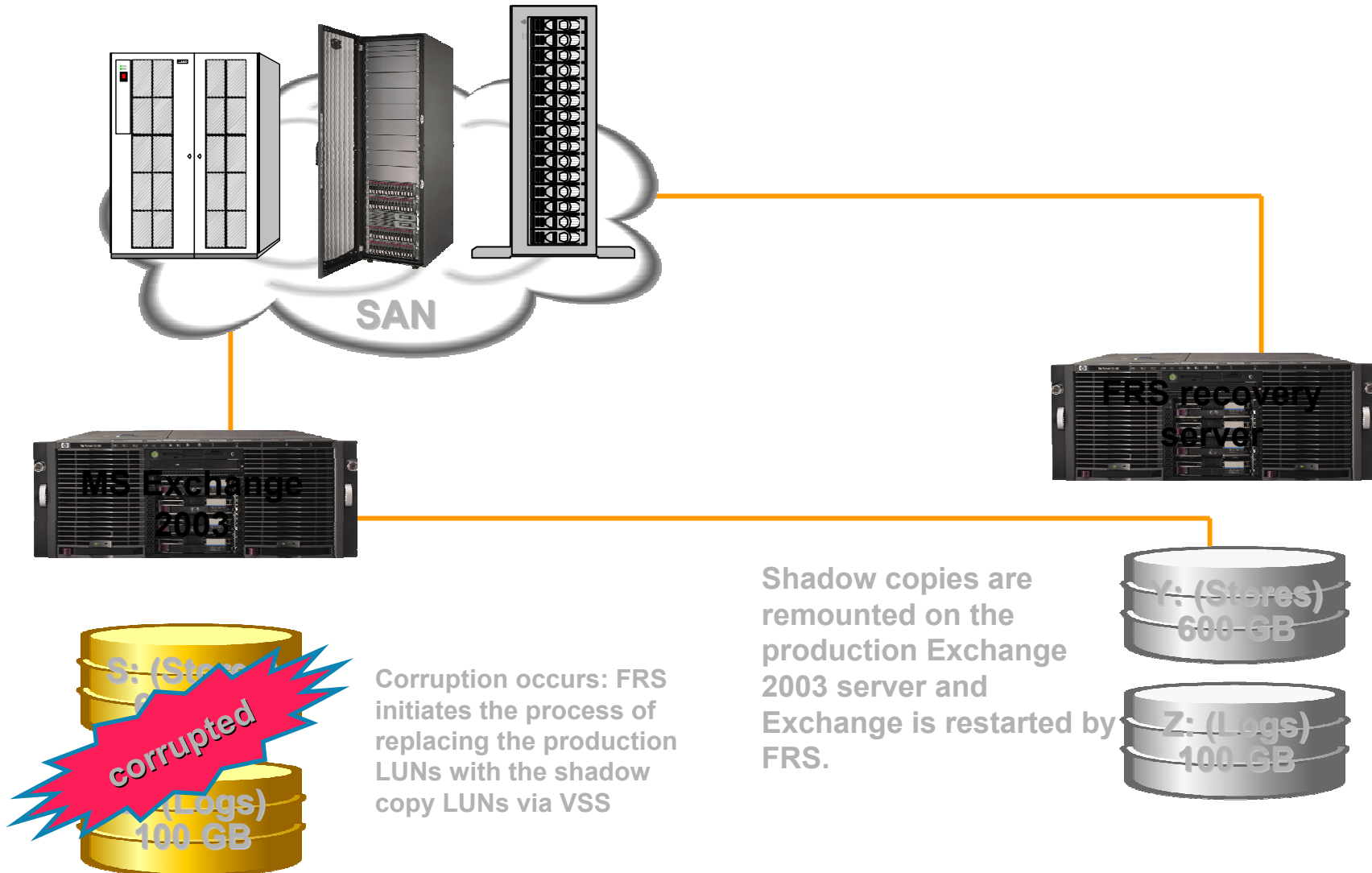**Online Storage Division**

Hewlett-Packard

Fast Recovery Solutions 2003

- A requestor application focused at the application administrators (Exchange / SQL).

- Extremely easy to use with a Graphic User Interface and with a Command Line Interface for scheduling options.

- Uses the VSS framework to create VSS LUNs for recovery, however these VSS LUNS could be used for other purposes (backup to tape, Exchange 2003 – Mail Box recovery…etc)

- Fast Recovery Solutions is tuned for the HP arrays for performance and features. Currently supports the EVA,XP and VA arrays. MSA coming real soon.

FRS 2003: Creating the shadow copies

SAN

1.) FRS sends request to VSS to create shadow copies of Exchange LUNs

FRS recovery server

MS Exchange 2003

2.) VSS signals Exchange Writer and creates snap on the disk array

3.) FRS stores the metadata in XML file then imports the XML file

S: (Stores) 600-GB

Y: (Stores) 600-GB

4.) VSS unmasks the shadow copies then mount them

L: (Logs) 100-GB

Z: (Logs) 100-GB

Shadow Copies

FRS 2003: fast recovery

SAN

FRS recovery server

MS Exchange 2003

S: (Stores)

corrupted

(Logs) 100 GB

Corruption occurs: FRS initiates the process of replacing the production LUNs with the shadow copy LUNs via VSS

Shadow copies are remounted on the production Exchange 2003 server and Exchange is restarted by FRS.

Y: (Stores) 600 GB

Z: (Logs) 100 GB

Fast Recovery Solutions 2003

- Fast Recovery Solutions 2003 will be available this fall. EVA and XP beta customer application process will start on August 18, 2003.

- For additional details contact Rudy Castillo at rudy.castillo@hp.com

Test Server