



DISASTER RECOVERY PLAN



SERVICE CONTINUITY MAINFRAME SERVICES

SCMS User Group Review: July 13, 2010





Agenda

- **Welcome - Jack Sturges**
- **Introductions**
- **SCMS Project Overview – Jack Sturges**
- **VTS Issue - Phillip Ruehl / Robert Jenkins**
- **Q & A's – All**



Summary

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- The SCMS project will establish capability that enables the OTech to provide disaster recovery for the mainframe platform and mainframe data at the two OTech campuses: Gold Camp and Vacaville.
 - Existing OTech DR customers only

Key Requirements



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- 8 Hour Recovery Time Objective
 - Current Solution is 72 hours
- 5 Minute Recovery Point Objective
 - Current Solution is last valid backup – up to 7 days
- 3 Exercises per year
 - 2 Exercises of approximately one week Customer testing, with flexibility to extend if needed
 - Current solution is 2 days for Customer testing - with no flexibility
 - 1 Exercise per year for approximately 4 hours during a maintenance window to verify network failover and connectivity
 - Not available in current solution

Solution Summary

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- Mainframe DASD replication will provide the DASD at the alternative campus
- The Virtual Tape System (VTS) will provide access to tape data at the alternative campus
- The mainframe at each campus will have Capacity On-Demand purchased and available to run all the DR customers at the alternative campus (in the event of a disaster)



There will be three DR Exercises per year

- a. **System Exercise.** Exercise individual DR customers. DR customers will be scheduled at different times.
 - Some smaller customers may execute their exercises at the same time
- b. **Integration Exercise.** Exercise all DR customers at the production site to test using the Capacity on Demand and interfaces between DR systems.
- c. **Network Exercise.** Exercise will bring up production network to DR campus. Customers will test connectivity using production network addresses.
 - Exercise will be performed during a maintenance window and the production systems will not be available.

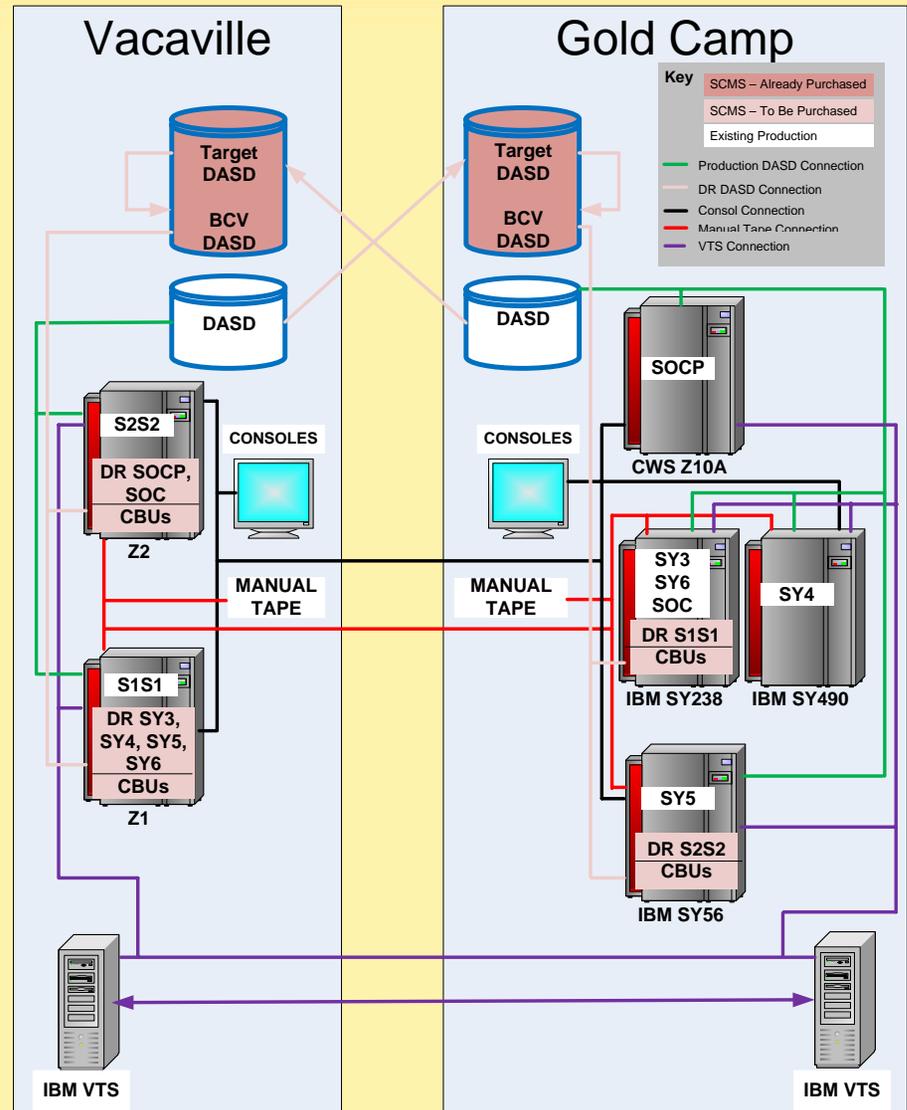
Production & DR Connectivity



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- DR systems access Business Continuity Volume (BCV) DASD
- Communication between sites utilizes two OTech OC-192 circuits
- Redundant connections not shown





1. Phase 1

- Create rates and service offering
- Design network and scripts for in-house Disaster Recovery solution between campuses
- Purchase and update network and mainframe capacity required to pilot solution
- Pilot solution (Targeting OSI's Child Welfare System (CWS))

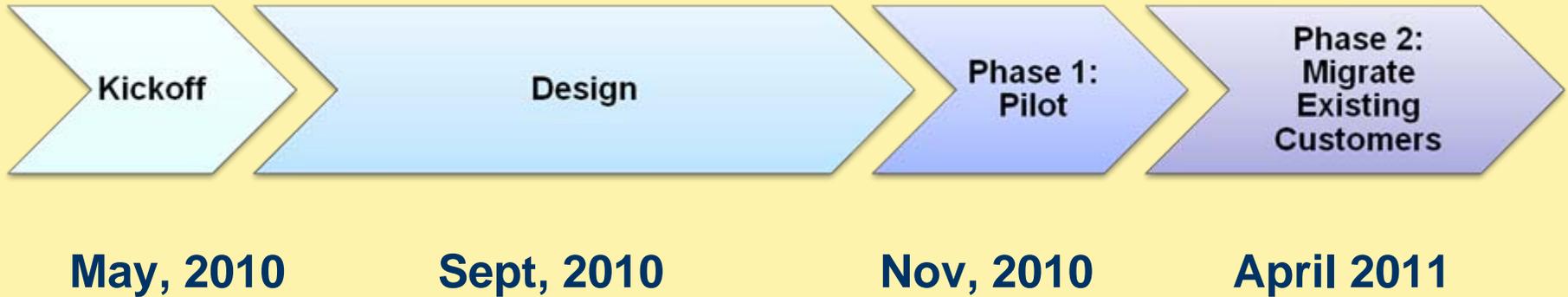
2. Phase 2

- Purchase mainframe capacity required for **existing DR customers**
- Implement scripts on all systems and migrate **existing DR customers** to the in-house solution
- Verify rates and service offering

Timing

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- 1. Issue:** Some current mainframe DR customers have a non-mainframe, server component in their system. If these customers request DR for the non-mainframe portion, an in-house DR solution will be needed for those servers.

- 2. VTS Issue:** Refer to Issue paper

Financial Recovery Plan (Rates)



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1. Implementation and support of the DASD replication are recovered in the Mainframe DASD rate.
2. Implementation and support of the VTS replication are recovered in the Mainframe Tape rate.
3. Implementation and support of the mainframe capacity in the DR environment and DR exercises will be through an updated DR rate.
 - The use of the Mainframe for DR exercises will NOT use the Mainframe rates
4. Any non-mainframe servers will need to be recovered as part of a separate rate.

Project Team



Service Continuity Mainframe Services (SCMS)

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- Rich Radan – Executive Sponsor
- Jack Sturges – Business Owner
- Kay Overman – Customer Relations
- Robert Jenkins – z/OS
- Jim Guererro – Mainframe Storage
- Ann Pieri – Network Applications
- Rodrigo Munguia – Network Engineering
- Phil Ruehl – Project Manager



Future Agenda Items? Questions / Comments?

http://www.dts.ca.gov/news_events/user_groups/scms.asp