



Consolidated Technology Services • WA

Agenda

SDC Projects Steering Committee

April 17, 2013
1:00 pm to 2:00 pm
Conference Room 2208

- SDC Projects Updates
- VMAX Monitoring Updates
- Design Decisions
- Project Issues Update

Next Meeting: May 1, 2013



Consolidated Technology Services • WA

Meeting Minutes

**State Data Center Projects
Steering Committee
April 17, 2013
1500 Jefferson, Rm 2208**

Steering Committee Attendees: Christy Ridout, Dan Mercer, Doug Hieronymus, Heidi Brownell, Lance Calisch, Wendy Huff, Gordon Ice, Debbie Kendall, Bruce Shurtz, Agnes Kirk **Not present:** Steve Fowler, Kay Metsker, Dan Davis, Phil Davis, Aaron Robel

Other Attendees: Toni Backstrom, Rick Cook, Scott Lindekugel

ISSUES AND/OR DISCUSSION	
Agenda Topic	Discussion
SDC Projects Updates	<p>Program:</p> <ul style="list-style-type: none"> Continuing to support OCIO on the SDC Business Plan. Implementing consistent SDC Migration communications. <p>Facilities:</p> <ul style="list-style-type: none"> Lab opened on Tuesday with first device rack mounted. Next steps, connectivity. <p>Network Core:</p> <ul style="list-style-type: none"> Final billing discussion with CentryLink/Cisco scheduled for April 18th. <p>Firewall:</p> <ul style="list-style-type: none"> Completed first migration last week and the next one is tonight. Good feedback from customers. Still on track for 28 MPLS done by the end of May. <p>Storage Migrations:</p> <ul style="list-style-type: none"> Cross-divisional teams met to build the schedule for storage migrations. HRMS QA and Famlink UAT are first to migrate. The team is documenting the testing and performance monitoring approach to be reviewed by steering committee. Server team using SQL to capture data snapshots. (Graph provided). Test on weekly basis with HRMS payroll. Run parallel tests on the array to observe performance. Need to plan follow up with customers and ask for testimonials. <p>Phase 1:</p> <ul style="list-style-type: none"> Completed physical move group 2. Group 3 to move on May3rd. Group 4 scheduled for May 22nd. Citrix migration moved out to May 16th. <p>Cloud Utility:</p> <ul style="list-style-type: none"> VMware still owes us drafts of the other deliverables. Signed contract with the VMware reseller. Next step is to receive draft SOW for technical POC support. <p>WSP:</p> <ul style="list-style-type: none"> WSP requested initial focus to be on a sub-set of Ph1 activities. CTS to schedule work sessions to complete network design and facilities consultation.



ISSUES AND/OR DISCUSSION	
Agenda Topic	Discussion
VMAX Monitoring	<ul style="list-style-type: none"> • Export/import of HRMS QA environment complete. DES will test a payroll run on Friday. • Data was captured at 5 minute intervals across 60 minutes. Data was gathered from the old array as well as the three new tiers. • Storage team needs to identify more scenarios for testing.
Design Decisions	Pending Signature: <ul style="list-style-type: none"> • SDC-036 FcOE Storage Recently Approved: <ul style="list-style-type: none"> • SDC-013 Load Balancing • SDC -040 Storage 9509 In Progress: <ul style="list-style-type: none"> • SDC -042 SDC iSCSI Strategy in the SDC • SDC-038 Storage Switch Ownership Out for Review: <ul style="list-style-type: none"> • SDC -041 Storage Protocol
Project Issues Update	<ul style="list-style-type: none"> • #145 – Rates – Continuing work with finance to propose model to OFM/Exec Management. • #148 – SDC 9513 Switches – The SDC will need 24x7x4 maintenance. Gordon is working with OLS. • #199 – Storage and Scope for VTL – The storage team met to review the strategy for VTL. • #211 – Determine strategy for 9509 – design decision document is signed. This issue will be closed. • #225 - Confirm alternatives to FCOE in the SDC – if iSCSI testing completes successfully, this issue will be closed.

The [meeting presentation](#) can be found on the project's [SharePoint](#) site.

1. New Action Items

Item	Action Item	Assignee	Target Due Date	Comments
1				
2				

2. Upcoming Meetings

Meeting	Details
Next Meeting	May 1, 2013, 1:00-2:00, Room 2208

SDC Steering Committee Meeting

April 17, 2013



Agenda

- SDC Projects Updates
- VMAX Performance Monitoring Update
- Design Decisions
- Project Issues Update



SDC Projects Updates

- **SDC Program**

- Supporting OCIO with the SDC Business Plan.
- Implemented the SDC Migration Communication process.
- Lab opened on Tuesday with first device rack mounted.

- **NWC**

- Final review of the rack and stack invoice with Century Link and Cisco will occur on April 18th.

- **Firewall Migrations**

- First MPLS firewall migrated successfully. Positive feedback from the customer.
- Next migration is tonight.



SDC Projects Updates

- **Move Phase 1:**

- Completed Physical Move Group 2: DAHP Dev servers.
- Physical Move Group 3: VLAN extensions scheduled for 4/28. Servers move on May 3 (ADFS & FamLink DTT).
- Physical Move Group 4: Includes the ESS Cluster that will support SAW, Transact and Fortress Gateways scheduled for 5/22.
- Working to solidify the virtual move groups.
- LTS moved the Avaya SAL and VIOP DHCP servers to the SDC.
- LTS Call Management System is moving Thursday (4/18).
- Re-scheduled Citrix migration to May 16.



WSP

- **Washington State Patrol (WSP)**
 - WSP proposed splitting Phase 1 into multiple phases. CTS is working with WSP to plan and implement the first phase.
 - First phase includes:
 - SMON Connection to connect the two data centers.
 - DR Backup Servers (2) with DAS storage.
 - WSP ordered the SMON connection.
 - CTS is in the process of scheduling work sessions to complete the network design and facilities consultation.



SDC Projects Update

- **Cloud Utility**

- Strategy/Business Phase
 - We are providing VMware with final details (allocations, security reqs) to enable them to wrap up the financial model.
 - VMware still owes us drafts of the other deliverables (Operational Readiness Assessment, Financial / Pricing Model, Change Management Plan / Marketing Strategy, and Implementation Schedule)
- Technical POC Phase
 - Contract signed with ASV for VMware Catalog
 - VMware finalizing SOW



SDC Projects Updates

- **Storage Migrations**
 - Cross-divisional team met to develop the project schedule for storage migrations
 - Tasks were identified for first two systems to migrate:
 - HRMS QA
 - Famlink UAT
 - Placeholder tasks are identified for mainframe and open system migrations
 - Additional customers are queuing up for net new storage
- **The team is documenting the testing / performance monitoring approach to be reviewed by steering committee.**



VMAX Monitoring

- **A monitoring environment has been set up.**

Description: A “generic” environment has been set up by the server team to allow for recurring testing of IOPs, throughput, and response times at both the host and the array.

- The tests gather data for 5 minute intervals across 60 minutes.
- Data is gathered from the old array as well as the three new tiers.

Results: <see spreadsheet>

Going Forward: The tests will be run each week and the results will be compiled for ongoing monitoring.



VMAX Monitoring

- **HRMS Monitoring**

- Export/Import is complete. Configuration underway.
- Customer testing will take place over the next three weeks.
- Storage team will measure metrics during payroll run on Friday.

- **Famlink Monitoring**

- Migration of UAT has been delayed to May to allow DSHS to do application upgrades.

- **Other Monitoring**

- The team will identify next migration candidates and test plans. Next up: CTS server migrations, TSM (net new), etc.



Design Decisions

- **Recently Approved**
 - SDC-040 Storage 9509 End-of-Support Design Alternatives
 - SDC-013 Load Balancing Options in the SDC for CTS applications
- **Pending Signature**
 - SDC-036 FCoE Storage/Ethernet Converged Networking within the SDC
- **Out for Review**
 - SDC-041 Storage Protocol usage for VMware environments in the SDC
- **In Progress**
 - SDC-038 Storage Switch Ownership (will be closed/replaced)
 - SDC-042 iSCSI Strategy in the SDC



Project Issues Update

Issue #	Summary Description	Assigned	Priority (H,M,L)	Opened Date/by	Next Review Date	Target Resolution Date	Resolution/Status	Status
145	CTS Service Owners need to know the SDC-related costs so they can determine and publish the rates for services.	Finance	H	3/16/12	4/17/13	4/30/13	Dan is working with Finance to prepare a proposed model to OFM/Exec Management.	Open
148	SDC 9513 switches - Maintenance & Support agreements	Storage	H	4/24/12	4/17/13	?	The SDC will need 24x7x4 maintenance service similar to contract for the OB2 storage switches. Gordon is working with OLS to resolve.	Open
199	Need to determine the scope and inter-dependencies for VTL	Storage	H	7/22/12	4/17/13	TBD	The storage team met to review the strategy for VTL.	Open
211	The risk associated with the proposed approach for the 9509 switch replacement is perceived to be higher than other available approaches. Other approaches need to be evaluated and risk assessed. Storage migrations are dependent on a successful implementation.	Storage	H	1/7/13	4/17/13	3/20/2013	The Design Decision document is signed. To be closed.	Open
225	We need to confirm the alternative(s) to FCOE in the State Data Center.	Servers	H	3/17/13	4/26/13	4/30/2013	If iSCSI testing completes successfully (which it appears it will), this issue can be closed. If not, further action will be identified in Design Decision.	Open



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Discussion/Questions

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