

Meeting Agenda / Minutes

Meeting:	CTI EMEA DS SAN Projects and Integration
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Day:	Tuesday	Date:	15 th Feb 2011	Time:	11:00 – 12:00
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Participants			
Sal Ahmed (SA) (Chair)	Carl Williams (CPW)	Simon Gibbs (SG)	
Paul Haynes (PH)	Darren Wood (DW)	Nigel Chilcott (NC)	

Apologies			
David Coles (DC)			

PRC/Kick Offs/RFP/RFC/Change meetings/Meeting Minutes	Week Commencing
Salauddin Ahmed	31/01/2011
Salauddin Ahmed	07/02/2011
Salauddin Ahmed	14/02/2011
Simon Gibbs	21/02/2011
Salauddin Ahmed	28/02/2011
Simon Gibbs	07/03/2011
Simon Gibbs	14/03/2011
Simon Gibbs	21/03/2011
Carl Williams	28/03/2011
Carl Williams	04/04/2011
Carl Williams	11/04/2011
Carl Williams	18/04/2011
Carl Williams	25/04/2011

Recent Storage GDSE Release Announcements for Review		
Description and Date	Feedback	Reviewer
DMX 3 code upgrade 71 to 73	Planning to raise change for early August, but this may get rejected. This is now just 21 and 22 C&R 9.7 DC to talk to SG offline 28.9 DC still to talk to SG. 05/10: Meeting has occurred, upgrade scheduled for weekend of 23rd October subject to responses from EMC. 26/10: No change has been raised and we are still to agree dates with EMC. 14.12 Expected end of January 04.01 – DPC to advise 11.01 – Scheduled for January 22nd 18.01 – No updates 25.01 – Upgraded to “72” code on 22/01 (CE “ran out of time”). Arranging the second half for completion 5/6 Feb 08.02 – Change scheduled for 12th Feb. Did not go ahead – now looking at 2nd Week of March 2011	DC

DMX 4 code upgrade 72 to 73	Planning to raise change for early August. This should be easier to get through. September 18th is the target date. 9.7 SG to submit change. 28.9 Raised changes for 16/10 26/10: Change was pulled as some of the host had the incorrect SAN Stacks. Now waiting for SAN Stack upgrades to be completed. Then change will be submitted. 23/11: Changes have been raised for 4th December, but this is subject SAN Stack Upgrades being completed. 14.12 Rescheduled for 22 January 04.01 – As above – subject to SAN stack upgrade on 15.01 11.01 – scheduled SAN stack upgrade delayed until 23.01, therefore upgrade delayed until SAN stack complete. 18.01 – No change 25.01 – due to GTS change freeze, upgrade rescheduled for 5/6 Feb – confirmed for this weekend 5th/6th 08.02 – Change has been rescheduled for the 19th February – CR: 12821056	SG

PRC and Kick Off Meetings	
Project Details	Action
No updates from PRC.	

Tasks for RFC Scheduling			
Task	Date	RFC	Scheduled Priority H/M/L

Connectrix Manager 9.7.4 and EOS 9.9.7 Change has been raised for this weekend 29th May. TR planning, but dependent on firewall rules. Firewall rules have been applied, so needs to be tested before upgrade. Still outstanding testing, but we now have a target date of 17th July for first upgrade. Firewall rules have been applied, but there is a communication issue. CPW is investigating. ACL entries need updating so changes will take about 3 weeks complete. CPW discussing this afternoon. 7.9 CPW to escalate to German network team. 28.9 Dan Swan has asked for a different request. CPW to complete. 05/10: Request submitted. 26/10: We have name from network team so we are expecting movement. 23/11: Upgrade all estate to 9.7.4. EOS upgrade was started last weekend in Germany, but only one fabric. UK needs confirmation. 14.12 moved from GDSE announcements to tasks for RFC scheduling. 04.01 – Environment review to be done and RFC to be scheduled Q1-2011 – TBA 11.01 – Scheduled for 22.01 & 29.01 18.01 – Due to migration work, updates rescheduled for 29.01 25.01 – Due to GTS change freeze, updates rescheduled for 5/6 & 12/13 Feb. On hold for this week due to HDS migration work. 08.02 BLACK and BLUE - done RED and GREEN – due for this weekend – 19th Feb 2011		CPW/PH	Connectrix Manager 9.7.4 and EOS 9.9.7
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14.12 DWDM between FDC + Welle for stratus 04.01 - CPW to update 11.01 - No update – work scheduled as stated 18.01 – See above 25.01 – Still on schedule Due for this weekend 5th and 6th Feb. WAN team asked to have the change moved to a later date TBC – on hold for re-configuration - 12th/13th March 2011	5/2	CPW	
14.12 Polish Centera upgrade 04.01 – P2P to be raised for hardware, 4 x 8TB nodes, Power ready 11.01 – No update – await completion of financial paperwork 18.01 - see above 25.01 – no movement. Still await financial documentation With Polish procurement – 15/02/11	TBC	PH	
14.12 Centera UK and DE 01 space increase 04.01 – P2P to be raised for hardware for 4 x 8TB nodes 18.01 – still t.b.c 25.01 – Paperwork signed. Date still t,b,c 01.02 Loan agreement has been signed. Delivery due for 12.02. 08.02 Change moved to th 19 th February at the request of EMC installs Hardware to be delivered Friday and installation for Saturday 19 th Feb DE delivery/installation – 5 th March	12/02/11	PH	

14.12 DMX 17 C+R Removals 04.01 – Awaiting 2 host groups to complete testing for migration 11.01 – Sill being arranged. Planning for mid-Feb 18.01 – new schedule – sometime end of March. 25.01 – last server scheduled for migration mid-march due to business requirements A few hosts still pending – 19th March 2011. TBA	March 11	PH	
11.01 – Install two Clariion AX4 (one in DE, one in UK) as part of “public folder” applications. Provisionally scheduled for 12/13.02 18.01 – Awaiting SA confirmation of servers to support 25.01 – no update 01/02 – no update – still waiting for details from PM Still awaiting delivery – 15/02	Mid March	PH	
11.01 – Management are looking into certifying SAN environment to ISO 9001 standard. 18.01 – Scheduled for end of march 25.01 – updating PCM to include required level of documentation, this will be submitted to auditors by 28.01 Audit meeting – 7th March 2011	March 11	PH	
11.01 – ECC Upgrade to UB9 – required for FAST VP 18.01 – No update 25.01 – on hold until CATE fully certify UB9 08.02 – hold until CATE fully certify UB9	TBC	Colin Bradley	
11.01 – SE 7.2 certification / installation – required for FAST VP 18.01 – No update 25.01 – on hold until CATE certify SE 7.2 Redhat hosts being installed and configured. Project team need to talk to Durai reference with the costings.	TBC	PH/SG	

18.01 – V-Max in-family code upgrade to 242.191. Binfile for 623 & 678 to create additional datadevs and subsequent expansion and rebalancing of the disk pools 25.01 – Due to GTS change freeze – re-scheduled for 5th 6th Feb 08.02 Work completed 2 in CGC and 2 in RDC (communicator) Pool rebalance complete on 623, and part of 678 (to be completed 12th Feb). – All completed.	29/01	SG	
Polish HP Upgrade required. X24k – COB site RFC – 13570311 raised for the 5 th /6 th March 2011	05/03/11	SA/PH	

Projects				
No.	Description/VPR No.	Status	Owner	Due Date
1	Frankfurt Phase II - Poland phase I migration - MB phase I + II migration - LDN phase II migration	Cisco switches need to be aligned. We have switches purchased via HDS set to be installed in EMC supported SAN's. 14.12 GB to provide update. 04.01 – Nigel to follow up 11.01 – update from NC to follow 18.01 – await information from EMC 25.01 – EMC plan to take over service agreement of HDS CISCO switches – this is still to be confirmed. EMC verifying inventory and awaiting signoff. HDS also to confirm inventory is upto date.	GB	
		AO to provide current switch info. Information provided.	AO	Complete
		GB to discuss with EMC about taking over support. 15/4 HDS ready to go, EMC we are waiting for costs.	GB	28/06/10

3	Stratus	CATE support is also an outstanding issue. Stratus team to discuss with Nigel. 15/4 CATE will not certify stratus connectivity. – needs clarified? CATE asking if a host with a single path will be supported. BIN file meeting tomorrow to discuss next steps. Additional disk to be purchased for FDC & Welle to migrate off existing DMX. New switches to be purchased only. Stratus won't accept SRDF/A latency. PO is being issued this week. Equipment is due to be delivered with first install September 11th. SG to raise Aperture tickets to get management built from reuse pool. 7.9 Disk and cards for FDC + Welle 18.9.10 install SA's raised Aperture for server upgrades. 28.9 EDC/FDC upgrade complete. Welle planned for the 16/10. 2 new mgmt servers going into EDC. 05/10: Change freeze in EDC at moment. Apertures have been raised so will go ahead after change freeze. 26/10: Management servers are installed and S loaded. Waiting for fibre connections. 23/11: Fibre connected. SA building boxes at the moment. Should be done in 2 weeks. 14.12 install complete zoning t.b.c 04.01 – 2 new mgmt servers installed and patched to the silver/Gold switches – full connectivity expected next week. 11.01 EDCSAN-MGT1 installed (incl. SE7.1). Volumes have been mapped to 1st system. Waiting for Stratus team to authorize allocation. 18.01 – Change in to carry out necessary “last minute” changes. BCV testing completed. 1st stage complete by 24.01 . All migrations scheduled for completion end of March 25.01 – on-going on schedule Replication has been set up on Dev/UAT Stratus between EDC/FDC 1st ‘flip’ postponed from Feb to end Q1 Migration postponed – rescheduled 18th Feb 2011	SG/CP W	
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3	Stratus	12 th Feb – cutover DEV/UAT system from EDC/IXE to FDC/EDC. Support of this storage will move to BAU/Projects	SG/CPW	
7	ESRS	GB to follow up with NA and also EMC. 15/4 VMAXs now dial out. HDS 64 bit w/s need to be deployed. One ESRS box in use, secondary pair in Germany will be activated next. Other two gateway servers will be activated. Policy manager servers will be activated to a near live state. Issues have been reported on ESRS so we are investigating, but gateway is only working through London. GB and compliance to agree on non CATE certification. GB working on reconciliation with EMC. Possibility to move current pair into production. CPW to update. 7.9 CPW kicked off pair into production. 28.9 No update. 26/10: May now hold back for new version as this as Policy Manager integrated. 14/12 No Update 04.01 Awaiting CATE guidance to deploy ESRS2 11.01 – Still awaiting direction from CATE 18.01 – CATE have issues with the way EMC install the product. Awaiting software package from EMC. 25.01 – no update. See above (ESRS ver 2.0 Policy Manager is being considered to be added) 08.02 waiting CATE certification. 15/02/11 – no update – still awaiting CATE Handover near completion.	CPW	
8	Storage infrastructure/ Migrations to VMware	Dependent on ESRS 04.01 11.01 – action to SG & CPW produce documentation 18.01 – SG & CPW committed to producing documentation this week. 25.01 – no update 08.02 – no further updates. Same as above.	CPW	

9	SANScreen	LH to follow up with Egg rollout. Still waiting for servers in Derby. 15/4 Still waiting for Mark Barnes – action Gary. 7.9 No update 05/10 GB to chase Mark Barnes again. 04.01 – GB chased - update to advise 11.01 – Thomas Weise has been assisting Mark Barnes with installation. Planned UK upgrade to version 6.1 has been pushed back to Feb. This affects our POC of Capacity Manager 18.01 – Still on-going 25.01 – no update Get update from Thomas Weise 01/02/11 - VMAX TDEV's not being reported on current version – therefore not able to perform capacity planning (for reservations). Information a still a bit fuzzy from CATE if proposed version of 6.1 will meet our needs. DPC to forward relevant details to Nigel and Nigel to follow up with Chris Welland (Global Head of Storage Engineering). 08.02 – Nigel awaiting details from Dave Coles. 15/02 - Colin Bradley, following up	GB	Ongoing
21	POD	As more switch ports are required a similar buffer proposal needs to be reviewed with EMC and HDS to discuss Ports on Demand. NC to chase up vendors. 7.9 Consider no of ports required for TTM – 120 servers coming only do we have the capacity? Vendors needs a proposal from us. This has a dependency on us being a one vendor fabric site (EMC) 14/12 Conversation to be had with EMC again. 04.01 – PH & Nigel & CPW to discuss 11.01 – Discussions still on-going. Next round of talks will be with the vendor 18.01 – On Hold until Scott Hunter (vendor) up to speed 25.01 – no change from last week 01/02 – NC to discuss with EMC 08.02 – NC still working on this. 15/02 – NC raised issue with Scott Hunter	PH/CPW	Ongoing

23	STAR Frames	Look at reuse of some of the unused storage for other uses. 10TB has been suggested which is 50% of available. Team to consider options. SG to drive formalisation. Will update at meeting on 7th June. 7.9 Gold SAN not to be put into pool for use unless customer wants to pay for it. 28.9 SG to look at releasing up to 50%. 14/12 BAU Team to add additional luns to groups. 10tb in scope. 04.01 BAU to advise 11.01 – Advise BAU to add “extra” when business asks 18.01 – Confirm with BAU how this “extra” disk is to be applied to STAR groups. 25.01 – still no change 01/02 – still on hold 08.02 – still on hold 15/02 – still on hold	SG	On Hold
24	Update SAN MGT workstations to Red Hat Linux and SE 7..2	25.01 – Require 08.02 – will be part of the upgrade project. 15/02 – no updates	PH/SG	

25	HDS Storage Purchase August 2010	Storage decision has been made and HDS have been selected. CPW spoke with DCIP last week. Space in CGC available with Power and Fibre. FDC, the additional cabinet will be okay for space and power should be okay. This is the last expansion on this frame as no room for 5th cabinet. RDC, looking at two options, expanding HDS02 or just do the deployment. In discussion in DCSM. 7.9 CPW to raise a meeting to discuss. 28.9 CGC/RDC shipment cannot be received during change freeze. 05/10: Deliveries complete. Try to raise a change for this weekend to for RDC disk install and putting new frame in new location. Low level design and config documents have been provided by HDS and SA will review with the team. SA workshop booked in Warsaw. 26/10: Loan ports have arrived and will be installed tonight. Pilot migrations on 10 hosts next week. 23/11: 22 migrations completed at the weekend, more scheduled for this weekend. 14/12 60% of migrations complete 04.01 no update 11.01 – work re-commences weekend 15/16.01 (after xmas break). Stage one of migrations scheduled for completion end of Jan. RDCHDS02 expansion dependant on the CX4 move (as mentioned in earlier section) 18.01 – Work on-going - Final migrations scheduled for 29.01 25.01 – final migrations need to be rescheduled due to GTS change freeze	SA	
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26	Turkey	Due to regulatory requirements two new DataCentres are to be built in Turkey and all processing of Turkish related data has to be moved to these sites. This initiative has to be completed by 2012, although Citi are planning to have all done by end of 2011. SG is to be point of contact. Application list is available, 142 applications. List is with Pat Fogarty at the moment. 28.9 Ongoing requirements gathering. 14.12 Decision go/no is with the regulator. 04.01 No Update as above 11.01 – No updates. – still with regulator 18.01 – see above 25.01 – no change	SG	ON HOLD
27	CGC2 Exit Phase2	New item 28.9 DW to be involved in host migrations. 26/10: No update 14/12 EQRMS taking priority over CGC2 exit 04.01 No update, but EQRMS scheduling COB testing prior to final migration. 11.01 – COB tests still outstanding. 18.01 – No update 25.01 – No update 08.02 – No update – Chris Marshall is PM. 15/02 – Starting to move. TCRS and Apertures being raised.	DW	

28	IXE/EDC exit	Resources now coming on board. Need more detail as to what is expected from us. NC to meet with PF and PM's once identified. 14/12 RDC Expected 15/2, EDC + FDC parts not ready – expected 23/12 04.01 To update accordingly 11.01 – weekend 15/16.01 power upgrade of new array in EDC. Fibre purchase is still with Dave Westcott. FDC financial paperwork is still with Dave Westcott. 18.01 – New array successfully powered up as scheduled. DC work in RDC& FDC (power & floor) scheduled for 22.01 pending completion of DC pre-reqs 25.01 – DC pre-req work complete in RDC. Array power-up scheduled for 29/30 Jan. FDC still awaiting PO for everything. EDC awaiting PO for fibre cabling. 01/02/11 – VMAX now powered up. Delay in procurements. Three weeks time lag. 01/02/11 RDC/FDC – three weeks time delay. Four to five weeks before any allocations.	CPW	
	IXE/EDC exit	08.02 – Some elements of purchasing has been completed but original estimates still apply.	CPW	
	Cisco FCIP issue updates	08.02 ongoing issues with FCIP with links dropping in/out. Cisco, EMC, and CATE are all involved with the resolution. 15/02 – Post mortem to be carried out.		

AOB	AOB	List of Steve Tweene activities to be collated by Sal 04.01 – Expected on site 05.01 11.01 – Activity list compiled by SA. Sent to NC Cisco Monitoring update required 04.01 – DW to advise. 11.01 – Paperwork raised just waiting for confirmation from monitoring team. 18.01 – A lot of groundwork has been done. Decision is to use ECC. Decisions have to be made RE: the handling of the alerts generated. 25.01 – tests will be carried out by sending alerts to command centre UAT environment. Testing scheduled to start by 29 Jan – DW to provide update 15/02 - Raising RFC RCSA begins again in February 11.01 – Sal to co-ordinate 18.01 – Sal still awaiting a “volunteer” 25.01 – Andy J has generously volunteered for this. 01/02/11 Storage Reclaims: Star Health and SRDF/A - Checks BAU (Ade) – checking all the Star groups SAN Analytics – in house product. CATE will be reviewing and rolling out globally. CATE will certify but not support. CEEMEA processes moving over to EMEA – therefore, businesses will be moving over to our region, starting with Mainframe and then Distributed storage, etc.. New Items for 15/02/11 * GNS Remote Mirroring (SG) * FYI – CATE Offsite early March – Thursday. Think about agenda items. * SRDF Alerting – alerting fix and alerting scripts (SG to speak with BAU) * New RFP for Feb 2011 * SRDF Star GNS – Chris Clayton has supplied fix. Project team to implement	
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Next Meeting:				
Day:	Tuesday	Date:	22 nd February 2011	Time: 11:00 – 12:00