



GDB

Introduction

*Kors Bos, NIKHEF, Amsterdam
GDB meeting at CERN, July 20 2005*



Recent Events

I have been out of the loop for 3 weeks
Thanks to Jeremy Coles and Jamie Shiers!

- Minutes of the June 22 meeting
- Actions from the meeting
- Thanks to Jeremy Coles !

Laudate !! TDRs have come out



Service Challenge III

July 20 GDB

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- SC III should have started: throughput tests ongoing
- Homework for T1's: Prepare 2 slides each
 - Short Status Report
 - Network used, Services running, Operational issues
 - Very concrete and detailed plans for next days/weeks
- Homework for the Expts: 2 slides each
 - Desired very simple first use cases to be tried
 - Not testing everything at once
 - Only with some T1s to begin with
 - Not mission critical
- We use the whole GDB to discuss just this!
- Could all T1's send a representation (vacation time)?

slide from June GDB mtng



T0/T1 network meeting July 19 @CERN

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- Network architecture document v.2 is finished
- Optical Private Network OPN:
 - Dedicated 10 GE lambda's between T0 and all T1s
 - Including Europe, US and AP
 - Provided by NREN's, Geant, ESnet, ASnet
- Technical details described in Arch. Doc.
 - IP addressing, BGP Routing, Security, Backup, etc.
 - Network Operations Center
- Expected at the meeting: NREN and T1 reps.
- Homework needed from each T1 before 19/7:
 - 3 slides from each T1
 - I will ask again by email

slide from June GDB mtng



LHC OPN

- Scope: only T0-T1 network. T2s deliberately left out
- Table of T1 network specifications
- High Level Architecture accepted → version 2 of doc.
- New task forces established
 - Security (Robin Tasker, UK)
 - IP addressing (Edoardo Nartelli, CERN)
 - Monitoring (..., US)
 - Operations (DANTE, Roberto Sabatino)
- Groups established within next 4 weeks
- Reports ready within 3 months
- Next Networking Meeting: November 2005

		Backup	Separated Traffic	Monitoring	ACL	Connection	NOC	Border Monitoring	Equipment	Technical Contact	Security Contact
CERN	AS513	From T1's	Yes	SNMP	YES	From T1's	24x7	Yes	Known	Edoardo Martelli	
RAL	Provided by UKERNA	GEANT	Yes		YES	UKLight then GEANT					
PIC	AS766 provided by Rediris	GEANT	Yes	SNMP+Tools	YES	GEANT	24x7	Ntd	tbd	MariPaz de Andres	
FNAL	AS3152	Triangle	Yes	SNMP, MonaLisa	YES	LHCNet	24x7	Yes			
IN2P3	AS789	Maybe via Geant	Yes	SNMP	YES	Dedicated Own Fiber	24x7	Yes	Cisco 6500	Jerome Bernier	
TRIUMF	Regional?	Possibly via NY	Yes, no general traffic	SNMP+other	YES ?	Dedicated 5Gbs via NY/Amsterdam	Joint	Unknown			
NDGF	Yes, TBD			SNMP	YES	GEANT via Copenhagen		Yes	TBD		
FZK	??	GEANT/SARA	Yes	SNMP, Ganglia, Nagios, cacti	YES	GEANT/DFN	DFN&GEANT?	Yes	Cisco 6509	Bruno Hoefst	
CNAF	AS137 by GARR	GEANT/Via other T1	Yes (3x10G) (production, LHC and T1)	SNMP, L3	YES	GEANT	Business hours. 24x7 future	Yes	Juniper M320		
SARA	AS1126	CBF with FZK?	Yes	SNMP+tools	YES	GEANT	24x7 (SURFnet NOC)			Pieter de Boer	
ASCC	AS9264	Dedicated Via Chicago/Amsterdam		SNMP+tools	YES	Dedicated, then via GEANT to CERN	24x7	Yes	Juniper M320, Cisco 6509	Yu-lin Chang	
BNL	AS43	Manlan Ring	Yes	Spectrum CiscoWorks	Firewall	LHCNet	24x7				6

GDB



Future meetings

- **September 6-7 @CERN**
 - Special attention: Service Challenges
 - UK has a problem because of a GridPP meeting
 - Have to have a list for meeting dates in 2006
- **October 11-12 in Bologna**
 - Special attention: Monitoring and Accounting
 - Overlaps with HEPiX
 - Need details soon: hotel accomodation is difficult
- **November 8-9 @CERN**
- **December 20-21 @CERN**
 - End of Service Challenge III