



# CCRC'08 Post-Mortem Workshop

## Post-Mortem

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# Overview

- On the MB [agenda](#) page for today you can find:
  1. A pointer to the agenda of last week's CCRC'08 post-mortem
  2. The workshop summary – as given at the end of the workshop
  3. A summary of CCRC'08 as presented yesterday to the LCG OPN [meeting](#)
- I am not going to repeat these talks, but focus on the “Achille’s heels” (yes, there are two) that I see...



# Heel # 1 – Storage-ware

- The storage services are still somewhat unstable and there are repeated complaints that it is not clear exactly which versions, patch

## Baseline Versions for May CCRC'08

Storage-ware – CCRC'08 Versions by Implementation	
<u>CASTOR</u> :	SRM: v 1.3-21, b/e: 2.1.6-12
<u>dCache</u> :	1.8.0-15, p1, p2, p3 (cumulative)
<u>DPM</u> :	(see below)
<u>StoRM</u>	1.3.20

- This information probably not v
  - Flavia added . wiki, e.g. <http://www.wlcg.org/wiki/Storage-ware>

- My proposal is summarized on WLCG operations

M/W component	Patch #	Status
LCG CE	Patch #1752	Released gLite 3.1 Update 20
FTS (T0)	Patch #1740	Released gLite 3.0 Update 42
FTS (T1)	Patch #1671	Released gLite 3.0 Update 41
FTM	Patch #1458	Released gLite 3.1. Update 10
gFAL/lcg_utils	Patch #1738	Released gLite 3.1 Update 20
DPM 1.6.7-4	Patch #1706	Released gLite 3.1 Update 18

## Heel # 2 – The Service Itself

- The “WLCG Service” is (highly) complex and there are many inter-dependencies and couplings
- The number of (major) service interventions per week and their scheduling is limited by human resources – and our ability to communicate needed information about the various dependencies
- The number of interventions for June is IMHO too high –  $O(1)$  per day (more?).
  - 1 – or perhaps 2 – per week is manageable
- As prior to the May run of CCRC’08, some of these interventions have not been fully discussed beforehand
  - e.g. no LCG SCM due to lack of time / clashes with F2F meetings and workshops
- Some components – e.g. VOMS & friends & GridView – are still not able to handle some of the basic recovery required for a **SERVICE**
  - e.g. Gracefully recovering when DB comes back (scheduled or unscheduled)

# On WLCG Readiness

- The service runs smoothly – most of the time
- Problems are typically handled rather rapidly, with a decreasing number that require escalation
- Most importantly, we have a well-proved “Service Model” that allows us to handle anything from “Steady State” to “Crisis” situations
- We have repeatedly proven that we can – typically rather rapidly – work through even the most challenging “Crisis Situation”
- Typically, this involves short-term work-arounds with longer term solutions
- **It is essential that we all follow the “rules” (rather soft...) of this service model which has proven so effective...**

## Post Script

*The service is still the challenge...*