SPMS Up/Download Scripts
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FEL2004 book of proceedings

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UPLOAD SCRIPT
1. receives data from SPMS
gets the file
checks it
2. returns OK or KO to SPMS

PL/SQL SPMS

1

filesystem

a

DOWNLOAD SCRIPT
called by the SPMS
own interface

Database server (Oracle)

File server (HTTP server)
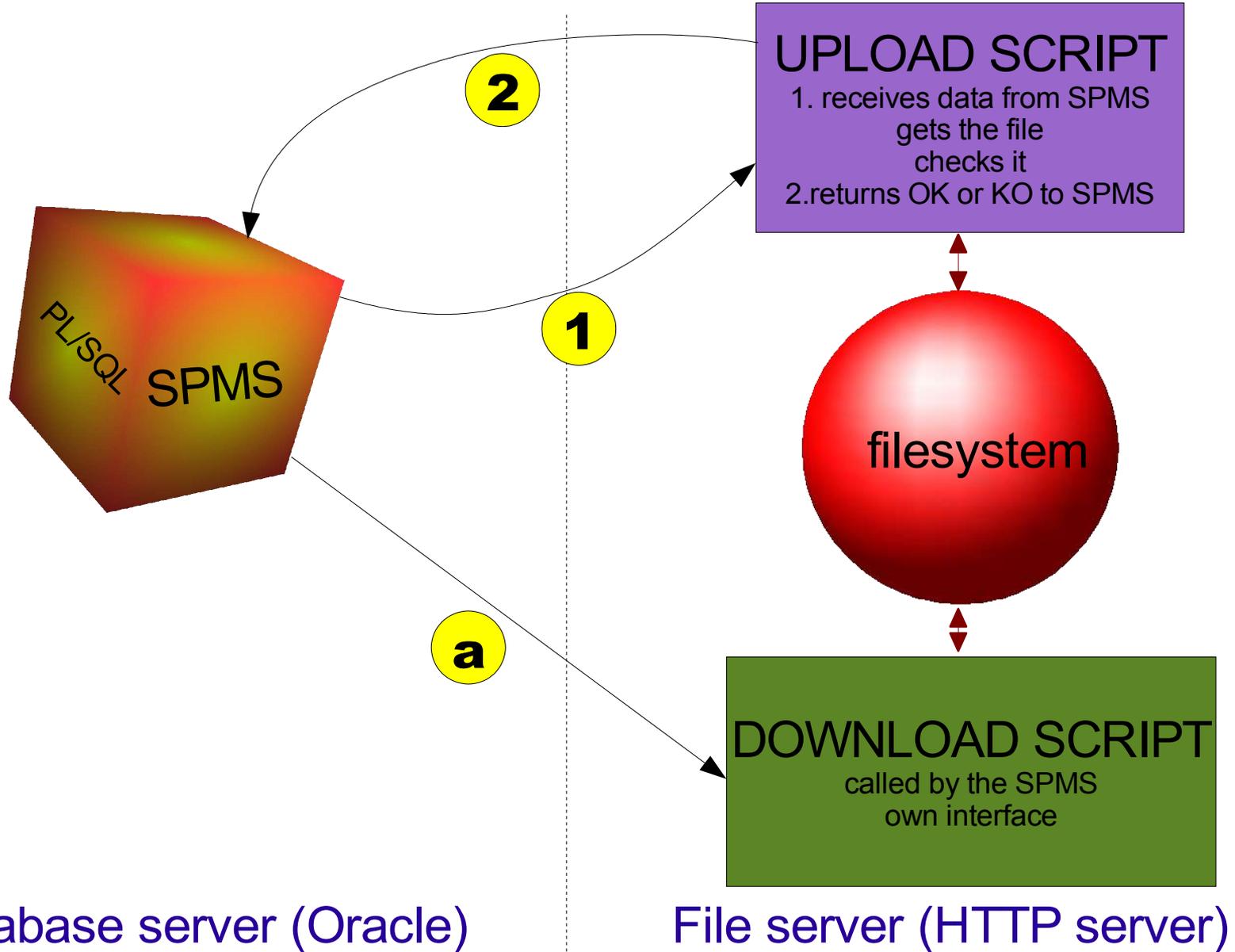
Upload: Pros and Cons

- PROS
  - DBMS/filesystem independence
    - different systems/administrators/hosts
  - Lightweight
  - Easily customisable
  - Options overridable by the call (HTTP parms)
- CONS
  - Lack of PID/user/file relationship knowledge
  - No session/access control
  - Poor logging
  - File Type (in SPMS terminology) knowledge only by extension
  - Options overridable by the call (HTTP parms)

Asian words

- Trying uploading files in a path with asian words
  - where's the problem (Perl/SPMS/User?)

Download files for THBOC03

Download files for TUPOS27

Download files for MOPOS18

Download files for TUPOS37

Download files for MOPOS36

Download: Pros and Cons

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- PROS
  - Same as for the Upload script
  - No deletion

- CONS
  - File Type knowledge only by file extension – not related to SPMS
    - **PDF** uploaded as "PDF"
    - **pdf** uploaded as "Other support file"
  - Times could differ from those of the SPMS
  - No deletion (option in SPMS is misleading)

Download files for MOPLOC1001

(no extension)

	Filename	Version
Get this ->	eistest	< last > - Mon Mar 22 15:46:34 2004

EPSI - Encapsulated PostScript files

	Filename	Version
Get this ->	x.epsi	< last > - Tue Mar 23 12:30:32 2004

PDF - Portable Document F

	Filename	
Get this ->	x.pdf	< last > - T

0002 - Tue Mar 16 11:48:37 2004
0003 - Tue Mar 16 11:50:52 2004
0004 - Tue Mar 16 11:52:17 2004
0005 - Tue Mar 16 11:52:20 2004
0006 - Tue Mar 16 11:53:35 2004
0007 - Tue Mar 16 11:54:34 2004
0008 - Tue Mar 16 11:54:39 2004
0009 - Tue Mar 16 12:05:11 2004
0010 - Tue Mar 16 12:07:52 2004
0011 - Tue Mar 16 12:08:04 2004
0012 - Tue Mar 16 12:08:28 2004
0013 - Tue Mar 16 16:44:35 2004
0014 - Wed Mar 17 09:20:26 2004
0015 - Wed Mar 17 09:20:52 2004
0016 - Wed Mar 17 09:56:55 2004
0017 - Wed Mar 17 09:58:45 2004
0018 - Wed Mar 17 09:59:09 2004
0019 - Wed Mar 17 11:48:31 2004
0020 - Wed Mar 17 11:49:30 2004
< last > - Tue Mar 23 15:18:54 2004

PS - PostScript files

	Filename
Get this ->	ZZZZ.Ps
Get this ->	x.ps
Get this ->	xyz.pS
Get this ->	MOPLOC1001.PS

< last > - Tue Mar 23 15:18:54 2004

Further development

- Optional correlation with SPMS `sessions´
  - Access control could be added
  - Need to learn/change the SPMS sessioning model
- File versioning registered in the SPMS
- Logical deletion in the SPMS
  - table attribute as a `flag´ instead of row deletion
  - table structure is ready
- Direct file access from the SPMS
  - Allowable for authors
    - Do we like it?
- Abandon PHP version
- Do it in PL/SQL??

FEL2004
Book generation

Tools and decisions

- Heading/footing + merge by PDFTex
    - Thanks Volker!
    - PDF v1.5 not accepted by version I used
    - PDF BoundingBox OK, CropBox not OK: bad paper alignment
    - Lowercase file extension needed

- Data from the SPMS

- PDF's from the FileServer

- Use of external scripts is annoying
    - Need to re-create [authors/institutes/papers] joins from exported data

- Let's do it in PL/SQL

Logical flow

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http://www.JACoW.org

Paper

PL/SQL SPMS

2a LaTeX source

PDFTex
does the hard work

TOC

PDF's

2b

filesystem

1 PDF's

crop-'em-all.pl
Changes %PDF-1.5 to %PDF-1.4
Set CropBox := JACoW size

Author
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