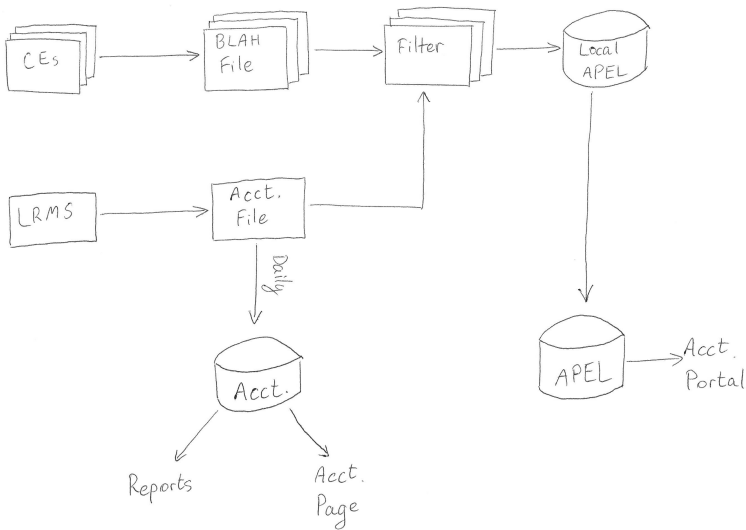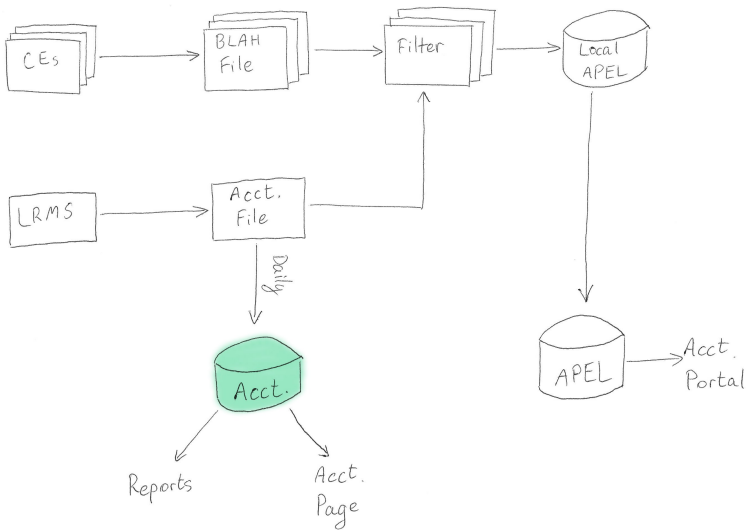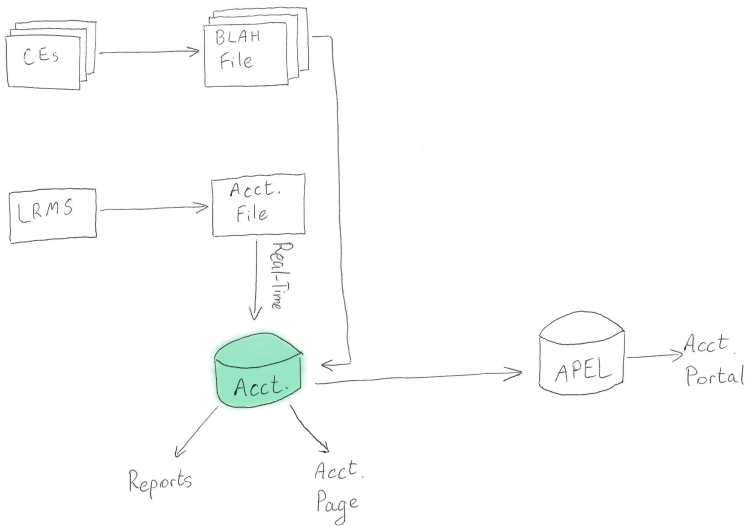# Improvements in CERN Batch Accounting

Jérôme Belleman
9 November 2011

- Remove complexity
- Improve consistency
- Publish local job information
- Use the new APEL software
- Ease deployment

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CH-1211 Genève 23
Switzerland
www.cern.ch/it

2 – Improvements in
CERN Batch
Accounting

PES

Architecture

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3 – Improvements in
CERN Batch
Accounting

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3 – Improvements in
CERN Batch
Accounting

- Streamlined architecture
- New DB
- New collectors (both LRMS & CE)
- New publisher (using the SSM)
- Improved packaging and monitoring
- Job information query toolkit

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4 – Improvements in
CERN Batch
Accounting

Technologies Used

- Collectors and publishers in Python
- LSF C API wrapped up in Python module
- Local and CE jobs stored on 2 Oracle tables
- Publishing via APEL SSM (Stomp)
- Reports on Django Web application

- Currently setting up monitoring and dashboards
- Progressively deploying the different components
- Testing publishing with the APEL team
- Waiting for final SSM packaging
- Waiting for new APEL system to be in production

- One should keep things simple
- Design well-defined interfaces
- It's worth investing time in cleaning up
- Schedule frequent task reviews
- Very useful cooperation with APEL team

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7 – Improvements in
CERN Batch
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Questions?

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8 – Improvements in
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