

7th Quattor Workshop

Wednesday, 11 March 2009 - Friday, 13 March 2009

Morgan Stanley



Book of Abstracts

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General Developments / 0**Pan Compiler**

Author: Cal Loomis¹

¹ *CNRS/LAL*

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Presentation of the current state of the pan compiler along with outstanding bugs and enhancement requests. Discussion of “restricted include” enhancement request and other desired enhancements.

General Developments / 1**Quattor in Amazon Cloud**

Author: Cal Loomis¹

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A short presentation on what was done to use quattor to control machines running within the Amazon Web Services cloud.

Introduction / 2**Introduction, Survey, Roadmap**

Author: Nick Williams¹

¹ *Morgan Stanley*

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Welcome, Survey: Who’s doing what with Quattor, Workshop Roadmap

General Developments / 3**NCM Component Updates**

Author: Nick Williams¹

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A review of changes to core components over the last 6 months.

Morgan Stanley: we’ve made a number of enhancements to some core components. Many of these patches have now been submitted back into the trunk. This talk runs through the status of the

changes to illustrate what new features are available with the cron, download and rootpw components, and the ccm, spma and ncm-ncd subsystems, and to get feedback on a couple of proposals: subclassing components and component status tracking (for testing if a configuration is up-to-date).

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datawarehousing quattor: cdb2sql, quatview

Author: Nick Williams¹

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A comparison of the two different systems

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Site Developments and Issues: LAL

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Site Developments and Issues: UAM

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Site Developments and Issues: CERN

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Site Developments and Issues: CNAF

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Site Developments and Issues: Grid Ireland

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Site Developments and Issues: Nikhef

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Site Developments and Issues: CNRS/LAPP

Corresponding Author: eric.fede@cern.ch

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Site Developments and Issues: Morgan Stanley

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Aquilon Drive-Through

A live tour of the Aquilon toolset showing our usage of Quattor, including a brief look at the monitoring integration. No slides available for this session.

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Quattor and Monitoring Integration at Grid Ireland

Corresponding Author: stuart.kenny@cs.tcd.ie

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Sourceforge migration: status and discussion

Update on status of sourceforge move.
Discussion on further migration (mailing lists, QWG, issue trackers, ...)

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Using quattor for inventory management

Corresponding Authors: veronique.lefebure@cern.ch, scott.d'aquila@morganstanley.com

Various solutions (CERN, TCD, MS, ...)

Use of quattor as DB versus integration of quattor with inventory DB (a la MS?)

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SCDB update

Corresponding Author: jouvin@lal.in2p3.fr

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Other tools

quatview update
anything else, ...

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QWG: management of accounts and roles

Issues relating to the management of accounts and VOMS roles in QWG.

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Review of open bugs/requests

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Wrap-up

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European FP7 Project for Quattor

Author: Cal Loomis¹

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Although the community is doing a good job in maintaining the quattor toolkit, the community lacks resources to expand, streamline, and document it. This fall there will be an FP7 Infrastructures call related to software for the European Grid Infrastructure. This scope of this call will include more than just the gLite middleware and will likely have an explicit reference to deployment and management of grid services. Support gained from such a project would allow us to dedicate effort to improve significantly the toolkit. This discussion is to determine if there is interest in submitting such a proposal and if so, what the program of work should be.

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Improving Quattor's Accessibility

Author: Cal Loomis¹

¹ *CNRS/LAL*

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Although a powerful systems management toolkit, quattor suffers from the impression that it is difficult to understand and to use, especially for people new to systems management. The aim of the discussion is to determine how the community can make the quattor toolkit easier to use and thus more accessible to system administrators.

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Quattor Software Process

Author: Cal Loomis¹

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The quattor community already has in place some tools to help with software maintenance and development as well as an automatic build system. The standard tools (bug tracking, code versioning, etc.) will probably converge to a coherent set with the move to the SourceForge repository. However, additional techniques such as static analysis and consistent use of unit tests could help improve the overall quality of the quattor toolkit. This short presentation and following discussion aims to converge on additional tools and/or techniques that the community would like to use during the development and release process.

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QWG Template Updates

Corresponding Author: jouvin@lal.in2p3.fr

Introduction / 26**QWG Monitoring Templates Discussion**

Corresponding Author: jouvin@lal.in2p3.fr

- Integration of templates related to monitoring tools : who support them ? who use them ? For Nagios we have to different set of templates based on 2 slightly different approaches : how we evaluate them and if possible merge them ?

how information defined once in quattor can be used to configure both client and server for a range of monitoring services. For example, being able to configure a logical group of machines once and then have that translated into the appropriate lemon (or nagios or ganglia) configuration.

General Developments / 27**General Q&A**

How other groups are getting things done. Panel-style?

General Developments / 28**Virtualization**

OpenVZ and Xen both supported, in use by different groups. Possibly VMware to come. Is a more general model possible? Who maintains now?

Introduction / 29**Site Developments and Issues: AUTH**

Author: Dimitrios Zilaskos¹

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Status of Quattor usage in AUTH

Wrap-up / 30**Future Features**

What features are different people working, that others want to collaborate on? How do we track such work?

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QWG Monitoring Templates

Follow-up for the discussion on Monday, more focused on template management and maintenance