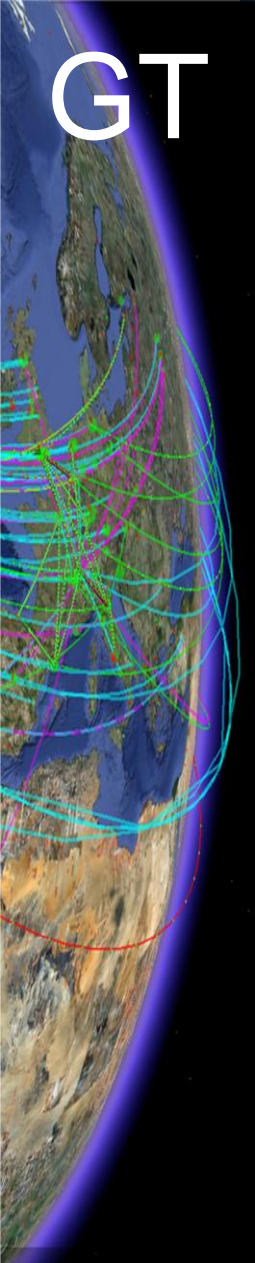


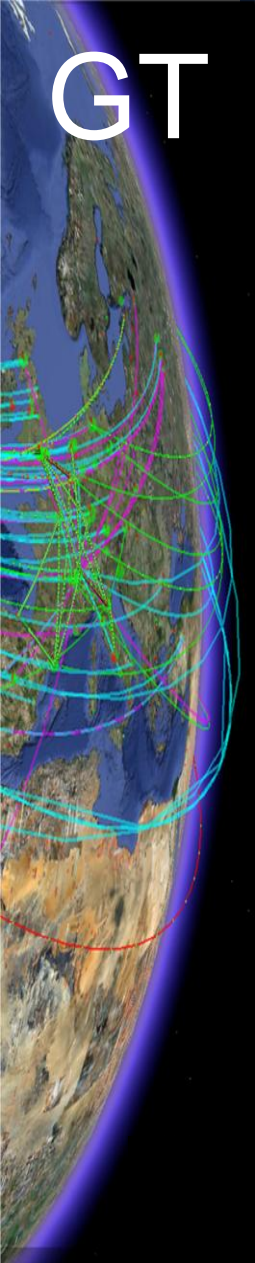
Ops TEG WG5

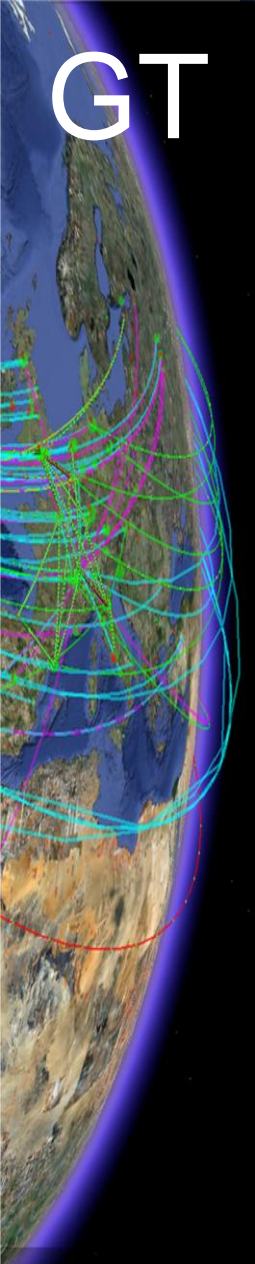
Oliver Keeble
On behalf of WG5



- WG5 is split into
 - Middleware configuration
 - Middleware deployment
 - Middleware distribution
- Feedback assembled on the twiki page
 - Classified
 - works well
 - top problems
 - strategic direction
 - saving manpower
- <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTegOperationsWG4WG5>

- A number of comments on the large investments sites make in configuration management
 - Middleware very diverse
- Simplification of the underlying configuration mechanisms
- Integration of middleware configuration with other systems (particularly quattor)
 - Mixed experiences
 - What's the direction?
- Choice of tools for the future
 - Integration with fabric/system management
 - Support by providers
 - Yaim/puppet
 - Opinion here is split

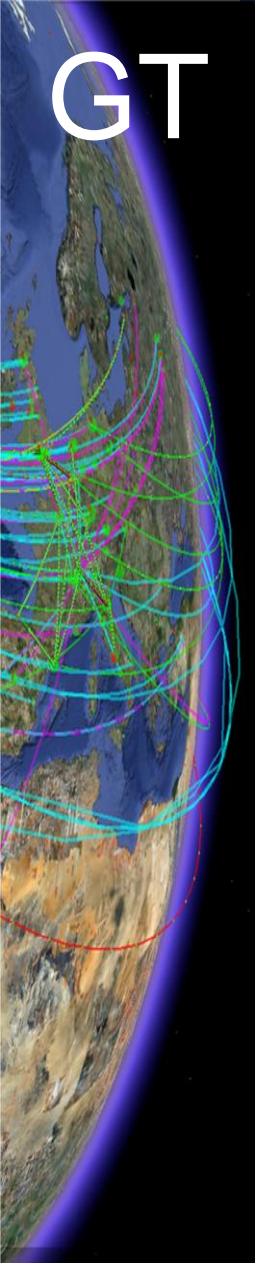


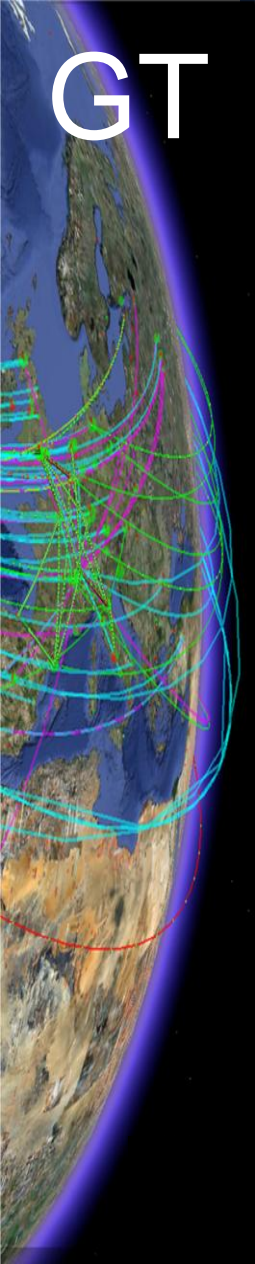


Impact	Improvement
	Improved documentation
	Improved packaging (reducing need for subsequent configuration actions)
	Simplification of middleware configuration (config file consolidation, files in standard locations, graceful config re-reads...)
	Reinvest in yaim (cleanup, rollback...) What effort is available for this?
	Improve quattor integration
	Support puppet natively (ie templates supplied by middleware providers)

NB: A subset of the above improvements should be chosen

- How to better manage release validation
 - Atlas would like more opportunities for pre-release validation, pilots etc
 - CMS are concerned about the time they spend supporting middleware deployment at sites
 - EMI sees staged rollout as necessary and working
- How to ease deployment at a site
 - Comes down to packaging, repository and configuration issues
 - Updates are still seen as risky





Impact	Improvement
	Closer involvement of experiments in pilots
	Alternative client distribution strategies (eg CVMFS)
	Improved configuration (see previous area)
	Cleaner expression of middleware dependencies (but see “distribution” area for notes on repository proliferation which contributes to this problem)



- **Reactivity**
 - Concerns about the responsiveness of middleware release processes
- **Interaction with application area**
 - AFS release still required
- **Dependencies**
 - Often cited as a problem
 - Is the feeling that deps are badly expressed in packaging?
 - Or that the middleware simply has too complex a dependency tree?
- **Repository proliferation**
 - EMI, UMD(EGI), gLite, OSG, ARC, EPEL, dCache...
 - Not only a 'policy' problem, certain combinations of repos result in failed installations



Distribution

Impact	Improvement
	Increase responsiveness of release process
	Resolve repository proliferation
	"Single channel" for release announcements
	Maintain application area releases