



ARC Client Status and Plans

4th EMI AHM - DESY

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Also on behalf of Zsombor Nagy

Outline

- The ARC Client Product and Members
- What's new in EMI 2
- Status
- Future Plans

The ARC Client Product

Credential management
arcproxy arcsiocs
arc renew

The ARC Client Product

Credential management

arcproxy arcsiocs

arc renew

Job submission

arcsub arctest

arcresub arc migrate

The ARC Client Product

Credential management

arcproxy arcslcs

arc renew

Job submission

arcsub arctest

arcresub arc migrate

Job management

arcstat arcet arccat

arc resume arc clean

arc kill

The ARC Client Product

Credential management

arcproxy arcslcs
arc renew

Job submission

arcsub arctest
arcresub arc migrate

Data management

arcls arcrm arccp
arc mkdir arc acl

Job management

arcstat arcet arccat
arc resume arc clean
arc kill

The ARC Client Product

Credential management

arcproxy arcslcs
arcrenew

Job submission

arcsub arctest
arcresub arcmmigrate

Data management

arcls arcrm arccp
arcmkdir arcacil

Job management

arcstat arcet arccat
arcresume arcclean
arckill

Resource discovery

arcinfo arcsync

The ARC Client Product

Credential management

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arc renew

Job submission

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arcresub arc migrate

Data management

arcls arcrm arccp
arc mkdir arc acl

Job management

arcstat arcet arccat
arc resume arc clean
arc kill

Devel tools

arcecho arcs rmping
arc wsrf

Resource discovery

arcinfo arcsync

ARC Client Product Members

- Compute Area
 - Martin Andersen and Zsombor Nagy
- Data Area
 - David Cameron
- Security Area
 - Qiang Weizhong
- Other ARC related people also contribute

What's new in EMI 2

- Added support for:
 - LDAP GLUE2
 - EMI ES interface
 - EMI Registry - resource discovery
 - Bulk submission and management

What's new in EMI 2

- libarcclient library restructured to accommodate EMI ES and GLUE2 support
 - Also removed dependency on job list file
 - Encapsulated plugin loading functionality
 - Resource discovery more seamless and flexible
 - More Python friendly bindings

Status

- GLUE2 support only at ~80%
 - Jobs cannot be discovered
 - Equivalent Computing services not merged
- EMI ES support only at ~80%
 - Functional for common computing tasks
 - Restart, Hold and Resume not supported
 - How to discover EMI ES endpoints?
- Bulk submission currently only at library level, not used in operations

Future Plans

- Complete GLUE2 and EMI ES support
- Enhancing documentation
- Bugfixing
- Performance analysing
- Implement bulk submission and management operations in plugins



Thank you!

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