



NORDUGRID

*Grid Solution For Wide Area
Computing and Data Handling*

ARC Computing Element Authentication and Authorization

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Production - Grid Manager

- Embedded authorization methods – simple matching rules
 - X.509 Subject
 - VOMS attributes
 - GACL
- External authorization methods
 - LCAS
 - Call to executable

Development - A-REX

- Common infrastructure – authentication information collectors
 - Generic X.509 information
 - X.509 delegation policy
 - VOMS Attributes
 - WS-Sec Username Token
 - WS-Sec X.509 Token
 - WS-Sec SAML Tokens
- Expandable through plug-ins

Development - A-REX

- Collected information is analyzed by applying authorization policies
 - GACL
 - Internal language
 - Preliminary XACML support
- Policy evaluator
 - Local at service
 - Call to remote service
- Everything is expandable through plug-ins