document types

- ARC manuals and technical notes
- ARC release notes and announcements
- Papers and articles
- ARC tutorials
- Talks and slides
- Posters, leaflets, logos, photos, templates
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manuals and technical notes
Client tools

The essentials

- The ARC v11.05 client installation instructions page gives step-by-step instructions how to install the ARC command line tools
- The ARC Clients User Manual gives full reference of all the ARC command line tools

Additional resources for users

- The Grid Certificate Mini How-to explains the basics of grid certificates and gives command line examples to handle them
- The XRSL Reference Manual gives a full reference of how to describe a computational job using the XRSL job description language
- The Grid Monitor Usage and installation manual explains how to use the Grid Monitor, a web portal to query the ARC Information System
- The VOMS Usage Notes page gives some explanation of VOMS, complete with useful tips and tricks
- The Chelonia User’s Manual gives a full reference of the command line client tools of the Chelonia storage system

Resources for developers

- The libarcclient - A Client Library for ARC document describes from a technical viewpoint the plugin-based client library of ARC
- The Advanced User Interface document describes the implementation of ArcGui (a standalone graphical user interface for ARC based on wxPython), and the integration of libarcclient into the LUNARC Application Portal.
Computing Element

The essentials

- **DRAFT** - The ARC Computing Element System Administrator Guide is the go-to document for understanding, installing and configuring the ARC Computing Element

**Additional resources for system administrators**

- The ARC 11.05 Server Installation Instructions: Setting Up A Grid Resource page gives a how-to guide to install and configure an ARC Computing Element or an ARC Storage Element
- The Grid Monitor Usage and installation manual explains how to install the Grid Monitor, a web portal to query the ARC Information System
- The VOMS Usage Notes page gives some explanation of VOMS, complete with useful tips and tricks
- The LUNARC Application Portal Installation manual explains how to install the Lunarc portal

**Resources for developers**

- The Job Usage Reporter of ARC (JURA) document gives a technical description of the JURA accounting service
Information System

The essentials

- The ARIS and EGIIS Installation, Configuration and Usage Manual is a system administrator guide for the ARC Information System: the resource-level local information component (the ARIS), and the grid-level information indexing component (the EGIIS)

Additional resources

- The NorduGrid-ARC Information System Technical Description and Usage Manual presents a technical overview of ARC’s LDAP information system, describes the architecture, implementation of the main components and the NorduGrid-ARC information model, and gives a reference manual
- The ARC peer-to-peer information system document describes the ISIS, which is a peer-to-peer information system
Storage solutions

The essentials

- The NorduGrid GridFTP Server document explains how the GridFTP Server (GFS) can be used as a standalone grid storage element NORDUGRID-TECH-26

Additional resources for system administrators

- The ARC 11.05 Server Installation Instructions: Setting Up A Grid Resource page gives a how-to guide to install and configure an ARC Computing Element or an ARC Storage Element NORDUGRID-MANUAL-2
- The Chelonia Administrator's Manual gives step-by-step instructions how to install the Chelonia storage system NORDUGRID-MANUAL-10
- The Hopi Manual describes a light-weight HTTP server based on the ARC HED service container and used by the Chelonia storage system NORDUGRID-MANUAL-15

Resources for developers

- The Chelonia - Self-healing distributed storage system document gives a technical description of the Chelonia storage system NORDUGRID-TECH-17
The HED service container

Resources for developers

- The Hosting Environment of the Advanced Resource Connector middleware document gives a deep technical description of the HED service container NORDUGRID-TECH-19
- The Security Framework of ARC gives a technical description of the security framework of the HED service container and its security-related plugins NORDUGRID-TECH-16
- The WS-ARC Service Configuration Manual explains the configurations of the HED service container NORDUGRID-MANUAL-18
<table>
<thead>
<tr>
<th>Document title</th>
<th>Audience</th>
<th>Status</th>
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<td>“The NorduGrid/ARC Information System”</td>
<td>svadmin</td>
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<td>“AKIS and EGIS - Installation, Configuration and Usage Manual”</td>
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<td>“WSI-ARC Configuration Manual”</td>
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<td>“The Host manual”</td>
<td>svadmin</td>
<td>waiting for Ivan’s review - ask him if there are repetitions from other documents - federated GM is documented elsewhere? - reminder sep16</td>
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<td>“Lucent Application Portal”</td>
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<td>“ARC client installation instructions” (arc* tools)</td>
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<td>“Security Framework of ARC”</td>
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<td>“ARC code repository Howto (cheat-sheet)”</td>
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<td>“ARC Batch System Back-end Interface Guide”</td>
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<td>“ARC batch system back-end interface guide with support for GLUE2”</td>
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<td>“ARC Broker”</td>
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<td>Dynamic Runtime Environments with Janitor</td>
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<td>ARC Information System (infowx, technical, internal.pdf)</td>
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<td>EGIS Information Indexing Service</td>
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<td>manage automatic checking is added to test automation, quality of text needs a strategy to be checked (I guess we do it once and then only when things change)</td>
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</table>

Quite a few
so far

reviewed
updated
merged
obsolated
written
Overview

what is the grid
CE functionality
local information
security
arc services
interfaces
job handling
configuration

preparations

basic CE

configuration file

production CE

enhancing the CE
sysadm guide

basic CE

arc.conf

[grid-manager]

[infosys] (ARIS)

[queue] (fork)

[common]

[gridftp]

[cluster]
production CE
users, groups, VOs
supported LRMSes
enabling the cache
registering to EGI/IS
urlogger to SGAS
nagios probes
enhanced CE
other LDAP schemas (RTES)
web service interface
VOMS
operations

- starting services
- stopping services
- testing the infosys
- testing certificates
- testing job submission
- log files
technical reference

- arc.conf commands
- job states
- data staging
- cache internals
- transfer shares
- back-end internals
- clustering A-REX
- HED internals
- environment variables
- scratch area
overview
installation
configuration
operations
technical reference
Editorial Board

• **Keeps** the documentation up-to-date
• **Checks** EMI and NorduGrid requirements
• **Assigns** people to review and update docs
• **Decides** on merging documents
• **Answers** the question:

  Where *should I write about this*?
Questions?

Deleted by the Editorial Board
Effective immediately
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