

EMI

Service Reference Card

ARC INFOSYS

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Abstract: ARC InfoSys EMI component refers to a set of ARC services and tools related to information publishing and monitoring: ARIS, EGIIS and Monitors

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- Functional description: Provision of Grid service information to clients and users.
- Daemons running:
 - slapd (common for local info server and index server)
 - bdii-update (for local info server)
 - arc-infoindex-server (for the info index)
 - grid-info-soft-register (periodic registration to other info index services)
- Init scripts and options (start—stop—restart—...):
 - grid-infosys - starts the local info server and/or one or more info indices depending on configuration
- Configuration files location with example or template:
 - /etc/arc.conf - default location of configuration file
 - Examples of configuration options can be found in template at <http://svn.nordugrid.org/trac/nordugrid/browser/arc0/trunk/doc/arc.conf.template>
- Logfile locations (and management) and other useful audit information:
 - /var/log/inforegistration.log - log of the registration process (from this server to other index servers)
 - /var/log/infoprovider.log - log for the info provider LRMS plugins
 - /var/log/bdii/bdii-update.log - BDII logs for the local index
- Open ports:
 - The slapd running the info server and the index by default uses the IANA assigned MDS port - 2135
- Possible unit test of the service: (not unit tests, but service functionality tests):
 - Standard ARC-CE SAM tests and their Nagios analogs
- Where is service state held (and can it be rebuilt):
 - Services are stateless. The information will be rebuilt on restart, and the indices will start without registrations - they will normally fill up within a few minutes.
- Cron jobs:
- Security information
 - The information provided is public and no authentication is needed to retrieve it.
 - Only services matching the service configuration are allowed to register to the indices.
 - Network Usage: see section "Open ports"
 - Firewall configuration: see section "Open ports"

- Utility scripts:
- Location of reference documentation for users: not applicable
- Location of reference documentation for administrators: <http://www.nordugrid.org/documents>