

Product	Major	Minor	Revisior	Emergen	Repackag	Version	Upgrade from E	Notes
AMGA	0	1	0	0	0	2.4.0	NA	New features & changes: <ul style="list-style-type: none"> * Support Debian6 * EMIR Rollout support * Fixing RPMlint Errors
<i>AMGA Manager</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1.2.0</i>		<i>First release in EMI - not ready!</i>
APEL parsers	1	0	0	0	0	2.0.0	Yes	Backward incompatible changes: <ul style="list-style-type: none"> * All the code has been rewritten, so all changes are 'backward incompatible', including a new d However, no other product depends on our code so this is not a big problem. * APEL has been completely rewritten in python. These parsers are compatible only with APEL P
APEL publisher	1	0	0	0	0	4.0.0	No	Backward incompatible changes: <ul style="list-style-type: none"> * All the code has been rewritten, so all changes are 'backward incompatible', including a new d However, no other product depends on our code so this is not a big problem. * APEL has been completely rewritten in python. This version of APEL Publisher is compatible or
APEL SSM	1	0	0	0	0	2.0.0	NA	First release in EMI
ARC CE	1	0	0	0	0	3.0.0	Yes	Backward compatibility: <ul style="list-style-type: none"> * ngconfigtest is renamed to arc-config-check, installs to libexec instead of bin and is packaged with A-REX instead of common package. * Support for per-user control directories in A-REX is removed, as well as corresponding "control" * GridFactory back-end is removed * RLS support is removed * EMI-ES rendering: one Endpoint per port-type including data capabilities * xrootd DMC is moved out of plugins-globus package and into a new package nordugrid-arc-plu Major: <ul style="list-style-type: none"> * EMIR rollout (#31970) * Server-side implementation of EMI-ES in A-REX (#22397) Other: <ul style="list-style-type: none"> * EMI accounting record implementation for ARC CE (#22425) - CAR 1.2 accounting messages ca * Increase performance of A-REX (#24121) * Modification of the JURA accounting publisher: APEL integration (#22627) * Argus and A-REX integration (#23031) - Communications with ARGUS PEP and PDP are imple What's new: <ul style="list-style-type: none"> * Support for EMI ES interface version 1.16 is implemented in A-REX service * nordugridmap is updated to version 2.0 * DTR is the default mechanism for A-REX data staging High priority bug fixes: <ul style="list-style-type: none"> * 3029 Job submission to LRMS failed with - syntax error in submit-pbs-job Medium priority bug fixes: <ul style="list-style-type: none"> * 2945 infoproviders support for ADL is incomplete

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ARC Clients	1	0	0	0	0	3.0.0	Yes	<p>Backwards compatibility:</p> <ul style="list-style-type: none"> * Compat packages (ng* commands) are no longer distributed * arcsrmping utility is removed * Improved backwards compatibility when reading job list files (client side). Job records from 1.x <p>What's new:</p> <ul style="list-style-type: none"> * EMI ES interface is implemented in ARC client tools * xRSL parser is extended to parse "countpernode" and "exclusiveexecution" attributes used for * New arcrename command as part of data clients * arcproxy supports the detection of NSS DB from default location of Firefox, Seamonkey and Th * A new package nordugrid-arc-arcproxyalt has been released, containing a version of the arcpro * Some test and misc tools are moved to a new sub package nordugrid-arc-misc-utils: arcwsrf, a * A new test utility arcemiestest is part of nordugrid-arc-misc-utils <p>Medium priority bug fixes:</p> <ul style="list-style-type: none"> * 2998 arcsub -c choses random submission protocols * 3002 arcstat does not find job information even though it is in ldap * 3006 arcstat returns no info about existing jobs * 3030 arctest number 1 can not be submitted * 3035 arccat -l finds no gmlog file over WS interface * 3052 arctest job is submitted to a cluster that can not execute it * 3053 arcstat can not find information about a finished job
ARC Core	1	0	0	0	0	3.0.0	Yes	<p>Backwards compatibility:</p> <ul style="list-style-type: none"> - libarcclient library is renamed to libarccompute - libarcdata2 library is renamed to libarcdata - xrootd DMC is moved out of plugins-globus package and into a new package nordugrid-arc-plu - RLS is no longer supported - The Python utility module arcom is obsoleted - ClientInterface classes are moved to new libarccommunication library - Main attributes of the Job class are changed, also in the jobs.xml: Cluster and the InterfaceNam <p>See also detailed list of API changes at http://wiki.nordugrid.org/index.php/API_changes</p> <p>What's new:</p> <ul style="list-style-type: none"> - New package nordugrid-arc-plugins-gfal is added, containing the GFAL DMC and depending on - Implement 3rd party transfer in data library (new method DataPoint::Transfer3rdPaty()) using C - Python bindings are split into multiple modules <p>Medium priority bug fixes:</p> <ul style="list-style-type: none"> * 2934 python bindings compilation consumes a lot of memory

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ARC GridFtp ser	1	0	0	0	0	3.0.0	Yes	<p>What's new:</p> <ul style="list-style-type: none"> * No new features have been added in this version. <p>Immediate priority bug fixes:</p> <ul style="list-style-type: none"> * 2974 Cannot submit to gridftp with RTE in job description <p>Medium priority bug fixes:</p> <ul style="list-style-type: none"> * 2911 Bad plugin causes gridftpd to segfault * 2915 gridftpd exits with Select failed: No child processes <p>Low priority bug fixes:</p> <ul style="list-style-type: none"> * 2936 arcsub gridftpjob submission returns unclear error when host key has wrong permissions on server side * 2834 arc.conf does not accept CRLF line terminators
ARC InfoSys	1	0	0	0	0	3.0.0	Yes	<p>Backward Incompatible:</p> <ul style="list-style-type: none"> * GLUE2 tree structure in both XML and LDAP is changed to a single service with all endpoints * GLUE2 XML rendering of EMI-ES information documents is changed <p>What's new:</p> <ul style="list-style-type: none"> * The information system start-up script grid-infosys has been split into separate scripts. The scr * GLUE2 rendering is finalised, also in the EMI-ES context * Introduced a relay backend in LDAP configuration for interoperability with GLUE2 Top-BDII, and * Improved automatic slapd/BDII backend configuration. In particular, BDII paths are automatica <p>Immediate priority bug fixes:</p> <ul style="list-style-type: none"> * 3000 Could not find ldap rwm overlay module * 2823 glue-generator.pl produces GlueCEUniqueID with hardcoded queue name * 3004 create-slapd-config cannot properly find module libraries <p>High priority bug fixes:</p> <ul style="list-style-type: none"> * 3013 bdii-update crashes when user not root on Ubuntu 12.04 * 2996 out-of-box configuration of ARC CE does not work with current infosys startup scripts
ARGUS	1	0	0	0	0	1.6.0	Yes	<p>No backward incompatible changes</p> <p>What's new:</p> <ul style="list-style-type: none"> * Debian 6 platform support added. * Uses the new common authentication library (caNI). * Uses the new VOMS library (voms-api-java3).
ARGUS-EES	0	1	0	0	0	0.2.0		
BDII core	0	1	0	0	0	1.5.0		<p>What's new:</p> <ul style="list-style-type: none"> * Optimisations to have faster access to GLUE 2.0 information have been done at LDAP configur * The delayed information for the cached top level BDII is now deleted when the BDII is restarted * ARC integration: GLUE2GroupName and services have been defined as aliases for GLUE2Group * The resource BDII has now an explicit dependency on 2.4 version of Openldap to be able to en * EMIR integration: new YAIM function config_emir_serp is now available to automatically publish * Service information provider bug fixes and enhancements * Removed old glite related configuration from glite-yaim-bdii * glue-validator bug fixes: accept 'ldap' and 'voms' as valid protocol in URLs; New features: new * glue-schema changes requested by ARC. Among them, definition of strings as UTF-8 instead of * Fixes at packaging level to be EPEL compliant

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BDII site	0	1	0	0	0	1.2.0		<p>What's new:</p> <ul style="list-style-type: none"> - GLUE 2.0 LDAP URLs can now be used by both the site and the top BDII. This means that site re - glite-info-provider-ldap is now located under /usr/libexec to be EPEL compliant. The site BDII information providers using this command, have been updated accordingly. - Several fixes at packaging level to be EPEL compliant. - emi-bdii-site metapackage now depends on the EMI Resource Information Service (ERIS).
BDII top	0	1	0	0	0	1.1.0		<p>What's new:</p> <ul style="list-style-type: none"> * GLUE 2.0 LDAP URLs can now be used by both the site and the top BDII. This means that site re * ARC integration: ARC resources can now be published in the top level BDII. * glite-info-update-endpoints postinstall actions have been updated not to contain the sleep com * glite-info-provider-ldap and glite-info-plugin-fcr are now located under /usr/libexec to be EPEL c * Several fixes at packaging level to be EPEL compliant
BLAH	1	0	0	0	0	1.20.0		<p>What's new:</p> <ul style="list-style-type: none"> * Support for SLURM batch system added <p>Not ready!</p>
CANL	1	0	0	0	0	2.0.7	Yes	<p>Backward incompatible changes:</p> <ul style="list-style-type: none"> * Declaration of function canl_io_connect() has changed, it takes different attributes * Trustmanager migration to CANL - https://twiki.cern.ch/twiki/bin/view/EMI/GLiteSecurity#Move_from_java_security_to_CANL <p>Other changes:</p> <ul style="list-style-type: none"> * This release includes multiple bugfixes and implements support for additional security standards including OSCP and PKCS #11. Documentation is duly updated.
CEMon	0	0	0	0	1	1.15.1		<p>This is just a repackaging of the CEMon provided with the EMI-2 release.</p> <p>Not ready!</p>
CREAM	0	0	0	0	1	1.15.1		<p>What's new:</p> <ul style="list-style-type: none"> * EMIR integration (see the "EMIR configuration guide" documentation section) <p>Not ready!</p>
CREAM GE modt	0	0	1	0	0	2.0.1		<p>What's New:</p> <ul style="list-style-type: none"> * Info provider needs a cache mechanism for qstat data <p>Not ready!</p>
CREAM LSF mod	0	0	1	0	0	2.0.2		<p>What's new:</p> <ul style="list-style-type: none"> * packaging updates * add koji Makefile * remove autogenerated files from the distribution * add make test for perl module <p>Not ready!</p>
CREAM Torque r	0	1	0	0	0	2.1.0		<p>What's new:</p> <ul style="list-style-type: none"> * The package lcg-info-dynamic-scheduler-pbs obsoletes the following ones, published with EMI ** lrms-python-generic ** info-dynamic-pbs * The executable /usr/libexec/info-dynamic-pbs has been translated from perl into python. * No new features have been implemented, no configuration changes are required. <p>Not ready!</p>

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dCache	1	0	0	0	0	3.0.0	Yes	Backward incompatible changes: 2.1. Incompatibilities *Please consider the following changes when upgrading from a version before dCache 2.2.0: ** dCache installations that have previously been in the /opt layout need to be migrated to the FHS compliant layout. Doors and head nodes have to be updated at the same time. NFSv4.1 door and pools are incompatible and have to be updated at the same time. 2.2. Compatibility * If NFS4.1 is not used, then 2.2 doors, head nodes and SRM can be mixed with pools of releases 1.9.12-11, 1.9.13-4 or newer. Doors and head nodes have to be updated at the same time. Highlights: * gPlazma 1 now implemented as a plugin for gPlazma2, the Java Authentication and Authorization Service (JAAS) based password authentication got implemented. Default partition type in the PoolManager is WAAS * NFSv4.1 door shows some statistic information * Added renaming to FTP implementation * Added support for change mode, owner and group of a directory tag * SRM always listen for SSL connections * Added login monitoring to gPlazma2 * Implement sensors to populate the EMI accounting record
Delegation Java	1	0	0	0	0	3.0.11	NA	Backward Incompatible changes: * Removal of long deprecated methods from GrDPX509Util.java What's new: * Move from trustmanager to CANL * clean up by removing deprecated methods * Added support for limiting proxies. * Added support for adding tracing extensions to proxies.
<i>DGAS-sensors</i>	0	0	0	0	0			
DPM	0	0	1	0	0	1.8.6		EMI 2 version + a patch
<i>EMI Datalib</i>	0	0	0	0	0			
<i>EMI messaging</i>	0	0	0	0	0			
EMI-NAGIOS	1	0	0	0	0	3.0.0		Release Notes will reflect incompatible changes, if any, of the individual nagios-plugins included
EMI-UI	1	0	0	0	0	3.0.0	Yes	Release Notes will reflect incompatible changes, if any, of the clients included (see WMS-UI)
EMI-WN	1	0	0	0	0	3.0.0	Yes	Release Notes will reflect incompatible changes, if any, of the clients included
EMIR	1	0	0	0	0	2.0.0	Yes	No backward Incompatible changes EMIR Server: https://github.com/eu-emi/emiregistry/wiki/Release-Notes EMIR-SERP: https://github.com/eu-emi/emir-serp/wiki/Release-notes
FTS (2)	0	0	0	0	1	2.2.9		What's new: * Consolidated package for FTS2 clients
<i>FTS3</i>	1	0	0	0	0	3.0.0		<i>FTS3 - First Major Release, no backward incompatible changes; Support only for SL6 Not ready!</i>
GFAL/lcg_util	0	0	0	0	1	1.14.0		EMI 2 version
gLExec-wn	0	1	0	0	0	1.2.0		
<i>gLite CLUSTER</i>	0	0	0	0	1	2.0.0-2		<i>EMI 2 version - repackage Not ready</i>
gLite-gsoap/gss	0	1	0	0	0	3.2.0		What's new: * This is an EMI-3 release of GSS/gsoap-plugin. There were only packaging updates. The function
gLite-MPI	0	1	0	0	0	1.5.0		What's New: * Generic copy from remote node available for ssh and cpshared methods (#5)

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gLite-proxyrenew	0	0	1	0	0	1.3.31		What's new: * This is an EMI-3 release of PX. There were only packaging updates. The functionality remains u
gLite-yaim-core	0	0	1	0	0	5.1.1		What's new: * config_secure_tomcat keeps adding comments to tomcat6.conf * config_users needs correction of the cleanup-grid-accounts path
gridsite	1	0	0	0	0	2.0.4	Yes	Backward Incompatible changes: * Unused components removed: gsexec, slashgrid, gridsite-copy.cgi and gridsite-storage.cgi * Major version change and library versioning cleanup: single-component numbering for soname: libgridsite.so.2 "gridsite_mod internals have been significantly refactored and new authentication features have been introduced by a dependence on EMI's common authentication library (caNI). Rarely used programs (gsexec, slashgrid) have been removed from the distribution."
Hydra	1	0	0	0	0			<i>Not ready!</i>
L&B	1	0	0	0	0	4.0.4	Yes	Backward Incompatible changes: * DB schema change. Configuration scripts update the DB automatically, manual update script provided. * Data structures changed, resulting in binary incompatibility of libraries. Rebuild of depending code required. "This release of L&B introduces several new features, including the support for virtual machine state monitoring, registration of inter-entity relationships, URL-based job queries, customizable RSS feeds, branded look of L&B's HTML output, and other improvements. There are also multiple bugfixes."
lcg-info-clients	0	0	0	0	1	1.0.1-2		EMI 2 version
LFC	0	0	0	0	1	1.8.6		EMI 2 version
Pseudonymity	0	0	1	0	0	1.1.1		What's new: * Pseudonymity now uses canl-java instead of trustmanager.
RAL-SAGA-SD	0	0	0	0	1	1.0.0-5		EMI 2 version
StoRM SE	0	1	0	0	0	1.11.0		This release adds a new functionality to StoRM BackEnd StoRM GridHTTPs and T-StoRM component StoRM-FrontEnd * Feature @402: load argus resource id from coinfiguration file StoRM-BackEnd-Server * Feature @315: add the chance to specify a storage area as approachable by anonymous users * Feature @376: Give users the chance to disable sanity checks StoRM-GridHTTPs-Server * Feature @344: compute file checksum on the fly * Feature @342: expose file checksum in GET html output page on folders * Feature @325: expose a webdav interface T-StoRM * Feature @259: Random execution of tests * Feature @258: Execution of tests specified by IDs YAIM-STORM * Feature @426: let gpfs users choose or not to use preallocation upon ptp requests * Feature @414: add a variable to configure DN field in namespace.xml
STS	1	0	0	0	0	1.0.0		First release
TORQUE server c	0	0	0	0	1	1.0.0-3		EMI 2 version
TORQUE WN cor	0	0	0	0	1	1.0.0-3		EMI 2 version
Trustmanager	0	0	0	0	0			<i>obsoleted by CANI-java</i>

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UNICORE Client	1	0	0	0	0	6.0.0	Yes	Backward Incompatible changes: * Use the EMI Common authentication library (CAnL) for credential handling, will require configuration changes * Note that the property file format has changed, and that the use of a property file is now mandatory. Details can be found in the UCC manual.
UNICORE Gatew	1	0	0	0	0	5.0.0	Yes	No backward incompatible changes Major changes: * Out of the box support for authentication of clients using proxy certificates. * New types of truststores (openssl-like, greatly improved directory truststore, PEM truststore). * New types of credential formats supported (PEM, PEM pair, DER). * OCSP support. * Improved CRL support. * Client's IP address is passed to the backend services. * Configuration properties were changed to utilize the new configuration subsystem. * Configuration problems are checked in a strict way and are detected early at startup. All problems should be clearly communicated in log files. * Documentation was greatly improved.
UNICORE HILA	0	1	0	0	0	2.4.0		Backward Incompatible changes: * Migration to the EMI_authlib in Unicore Client Major changes: * Support for EMI-ES * including service discovery through EMIR
UNICORE Registr	1	0	0	0	0	6.0.0	Yes	Backward Incompatible changes: * Use the EMI Common authentication library (CAnL) for credential handling, will require configuration changes
UNICORE TS16	0	0	0	0	1	5.1.0		EMI 2 version
UNICORE UVOS	0	1	0	0	0	1.6.0		What's new: * Out of the box support for authentication of clients using proxy certificates. * New types of truststores (openssl-like, greatly improved directory truststore, PEM truststore). * New types of credential formats supported (PEM, PEM pair, DER). * OCSP support. * Improved CRL support. * Configuration properties were changed to utilize the new configuration subsystem. * Configuration problems are checked in a strict way and are detected early at startup. All probl * Support for registration in EMI Registry (EMIR). * Fixed a problem, occurring on heavy load, with extensive UVOS Watchdog logging. * Documentation was greatly improved.

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UNICORE XUUDE	1	0	0	0	0	2.0.0	Yes	<p>No backward incompatible changes</p> <p>Major changes:</p> <ul style="list-style-type: none"> * Support for dynamic mapping of Grid users to local accounts, using pools of pregenerated uids/gids or scripts creating accounts on the fly. * The product database layer was refactored. In effect MySQL is supported out of the box and support for other RDBMSes can be added with a minimal effort. * XUUDB was updated to use a common configuration subsystem of UNICORE. This provides, among others: strict type checking of values, recognition of unknown (misspelled) properties and improved logging. * Configuration file syntax was changed. * Product uses common UNICORE libraries for authentication and HTTP server setup. Therefore it supports the same options as all other UNICORE 6.6 for configuring truststores, credentials and HTTP server. Among others directory truststore, openssl-like truststore and PEM credentials are supported. * Documentation was greatly extended and improved.
UNICORE/X6	1	0	0	0	0	6.0.0	Yes	<p>Backward Incompatible changes:</p> <ul style="list-style-type: none"> * Use the EMI Common authentication library (CAnL) for credential handling, will require configuration changes - The "backward incompatible" feature (CAnL adoption) means only that server-side configuration files MUST be updated, but older clients will still work. <p>Major & Other changes:</p> <ul style="list-style-type: none"> * Support for data staging from/to SRM and LFC lookup support * Admin actions enhancements * Integration of EDGI plugin <p>Nagios Probes:</p> <ul style="list-style-type: none"> * check_sms probe should support multiple protocols (UFTP, BFT, *BYTEIO) to give ability to check more storage implementations. * check_certificate does not work with openssl < 1.0.0 (e.g. 0.9.8 on RHEL5).
VOMS	1	0	0	0	0	3.0.0	Yes	<p># EMI 3 VOMS release backward-incompatible changes</p> <p>## VOMS C++ and Java APIs v. 2.0.10 - No backward-incompatible changes introduced.</p> <p>## VOMS clients v. 2.0.10 - No backward-incompatible changes introduced.</p> <p>## VOMS server v. 2.0.10 - No backward-incompatible changes introduced.</p> <p>## VOMS Java APIs v. 3.0.0</p> <p>Version 3.0 is a complete redesign of the VOMS Java APIs based on the EMI Common Authentica Services and clients that want to move to this version will need to adapt their code to the new A</p> <p>Note that Java APIs v. 2.0.10 are released in EMI 3 to support those clients that haven't migrated</p> <p>## VOMS clients v. 3.0.0</p> <p>Version 3.0 is a complete redesign of the VOMS clients based on the new VOMS Java API v. 3.0.0</p> <p>The new clients maintain the same interface as the 2.0.x ones, so scripts that work with the old Some functionality (unused in production AFAWK) has been dropped. In particular, from voms-pr</p> <ul style="list-style-type: none"> -include -includeac -separate -list -policy -pl -globus <p>From voms-proxy-info the following options have been removed: "-dont-verify-ac"</p>

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VOMS-Admin	1	0	0	0	0	3.0.0	Yes	## VOMS Admin server v. 3.0.0 VOMS Admin server v. 3.0.0 introduces a new deployment model for the service. The VOMS Admin service does not run anymore as a web application in the Tomcat application s Besides the changes in the port where VOMS Admin will be answering, no other known backward
WMS	1	0	0	0	0	3.5.0	Yes	Backward Incompatible: * dismissed support for WMS and WMS-UI java APIs, and WMS-UI C++ APIs What's new: * Enabled Argus-based access control using the glite-CE/WN profile * Integration with the EMI Service Registry * Removed provision of WMPProxy Java API, UI C++ API, UI Java API
WNODES	1	0	0	0	0	3.0.0	Yes	This product release will contain the WNoDeS core components already delivered in EMI2, plus t wnodes_cachemanager for supporting cloud solution. Therefore this release will not contain any backward incompatible changes.
TOTAL	32	12	6	0	11			