

JRA3 Execution Plan for the first year

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- Objectives and approach
- Organisation
- JRA3 Milestones/Deliverables
- JRA3 Work Breakdown Structure
- Training requirements
- Initial risks assessment
- Issues related to other activities
- Next steps to take between now and Cork

Objectives

Enable secure operation of a European Grid infrastructure by proposing and developing:

- Overall security architecture and framework
- Policies to be adopted by other EGEE activities (middleware, operations etc.)

- Basic Security Policy and Incident Response
- CA Trust
- Establishment and Policy Management
- VO Definition, Rights Delegation, and Scalability
- OGSA Web services security and site service access
- Control and auditing
- Site Usage Control and Budgeting
- Secure Credential Storage

Organization and partners

Participant	Role	FTE EU funded + unfunded
UvA + FOM (NIKHEF) Amsterdam	QA & Doc	2 + 2
UiB Bergen	Sys Admin	1 + 1
UH-HIP Helsinki (CERN)	Testing	1 + 1
KTH-PDC Stockholm	Security Head	2 + 2
Total effort		6 + 6

Groups involved and key individuals

Collaborator name	Partner	Function	Available from Month	FTE	F UF	Total PM
Cook Jeremy	UiB		1	0,5	F	6
NN1 (select)	UiB		1	0,5	F	6
NN2(hire)	UiB		1	1	UF	12
Demchenko Yuri	UvA		1	0,5	UF	6
Gommans Leon	UvA		1	0,2	UF	2,4
Steenbakkers Martijn	UvA		1	1	F	12
van Oudenaarde Bas	UvA		1	0,3	UF	3,6
Groep David	FOM		1	0,6		7,2
Koeroo Oscar	FOM		1	1		12
Venekamp Gerben	FOM		1	0,4		4,8
Hahkala Joni	UH-HIP		1	1	UF	12
Silander Mika	UH-HIP		1	1	F	12
Ahsant Mehran	KTH		1	0,25	UF	3
Danielsson Johan	KTH		1	0,5	UF	6
Hedman Fredrik	KTH	Security Head	1	1	F	12
Mulmo Olle	KTH	Architecture	1	1	UF	12
Sandholm Thomas	KTH		1	0,25	UF	3
Volpato Gian-Luca	KTH		1	1	F	12
Total effort				12		144

Milestones and deliverables for 2004

Project Month	Month	Deliverables & Milestones	Item	Lead Partner
M03	juni-04	MJRA3.1	Completed user requirements survey defines effort redistribution over action lines.	KTH-PDC
M03	juni-04	MJRA3.2	Set-up of the PMA for European CAs and liaison with the corresponding extra European ones (document + standing committee)	FOM
M04	juli-04	MJRA3.3	OGSA SEC service initial recommendations for reengineering	UH-HIP
M05	augusti-04	DJRA3.1	Global security architecture (document)	KTH-PDC
M06	september-04	MJRA3.4	Security operational procedures and incident handling; definition of a common Grid incident format	FOM
M09	december-04	MJRA3.5	Secure Credential Storage procedures	KTH-PDC
M09	december-04	DJRA3.2	Site access control architecture (document)	FOM

WBS 1/6 – sub tasks

Task	Task Title	Artefact	Month Start	Month End	Total effort	Task explanation & comments
1.1	User requirements survey		M01	M03	8	
1.1.1	Identify user communities and contact people		0	0	0.2	Collaboration with JRA1, SA1, NA4, Architecture Team
1.1.2	Acquire background information about EDG security architecture		0	1	2.25	
1.1.3	Provide a document that collects security requirements	First draft of Milestone MJRA3.1	1	2	3	
1.1.4	Collect and categorize security requirements	internal document	1	2	1	Overlap with MJRA3.3, see task 3.1.3
1.1.5	Review and update the document	Final draft of Milestone MJRA3.1	3	3	1.75	
1.1.6	Perform user survey	User survey	9	11	0	Gather new user requirements after the first project review (month 9)
1.2.0	Task delivery					
1.2.1	Ready for internal review					date: 2004-05-28
1.2.2	Task finalized					date: 2004-06-25

WBS 2/6 – sub tasks

Task	Task Title	Artefact	Month Start	Month End	Total effort	Task explanation & comments
2.1	European PMA setup		M01	M03	1.5	
2.1.1	Establish connection with European authentication and PKI bodies.	joint statement	0	0	0.5	In particular TERENA and eIRG
2.1.2	Write EUGridPMA charter.	charter document	0	0	1	
2.2.0	Task delivery					
2.2.1	Ready for internal review					date: 2004-mm-dd?
2.2.2	Task finalized					date: 2004-mm-dd + 21 days?

WBS 3/6 – sub tasks

Task	Task Title	Artefact	Month Start	Month End	Total effort	Task explanation & comments
3.1	OGSA security reengineering recommendations		M01	M04	7.6	
3.1.1	Select and study standards relevant to OGSA security, test GTK 3.2 sec implementation		0	0	0.6	Partially a recurrent task
3.1.2	Collect and categorize EGEE security requirements wrt OGSA security	internal document	1	1	1	Overlap with MJRA3.1, see task 1.1.4
3.1.3	Analyse requirements wrt OGSA sec & EGEE sec infra	internal document	2	4	3.5	Circulate within JRA3, JRA1, SA1, A team?
3.1.4	Write doc: OGSA security initial recommendations for reengineering	MJRA3.3 document	3	4	2.5	Circulate within JRA3, JRA1, SA1, A team
3.2.0	Task delivery					
3.2.1	Ready for internal review					date: 2004-06-23
3.2.2	Task finalized					date: 2004-07-14

WBS 4/6 – sub tasks

Task	Task Title	Artefact	Month Start	Month End	Total effort	Task explanation & comments
4.1	Global security architecture		M01	M05	7.5	
4.1.1	Organize workshop	workshop	1	2	2	
4.1.2	First release of Global Security Architecture document	public document	1	5	5.5	
4.2.0	Task delivery					
4.2.1	Ready for internal review					date: 2004-08-27
4.2.2	Task finalized					date: 2004-09-17

WBS 5/6 – sub tasks

Task	Task Title	Artefact	Month Start	Month End	Total effort	Task explanation & comments
5.1	Security operational procedures and incident handling		M01	M06	4	
5.1.1	inventory of security and incident handling procedures and requirements from GOC and ROCs	internal document	1	4	2	GOC?
5.1.2	definition of characteristics for a common reporting format	public document	3	4	2	
5.2.0	Task delivery					
5.2.1	Ready for internal review					date: 2004-mm-dd?
5.2.2	Task finalized					date: 2004-mm-dd + 21 days?

WBS 6/6 - Recurrent Tasks

Task	Task Title	Artefact	Month Start	Month End	Total effort	Task explanation & comments
TR1	JRA3 management		M01	M09	9	
TR2	Security Group		M01	M09	11,25	
TR3	Misc overhead (admin, conference)		M01	M06	4,5	
TR3.1	First EGGE conf		M01	M01	4,5	
TR3.2	Second EGGE conf		M07	M07	4,5	
TR4	Global architecture discussions		M01	M09	3,6	Continuous and ongoing discussions will take place online in mailing lists and in the regularly scheduled Architecture and Security group meetings and phone conferences.
TR5	Operate the EUGridPMA		M01	M09	1,6	
TR6	Software maintenance and development old		M01	M09	4,5	LCAS, LCMAPS, JobRepository, edg-java-authN/authZ
TR6.0	External development effort liason		M01	M09	1,125	VOMS
TR7	Software maintenance and development new		M01	M09	0	
TR7.1	Plan reengineering work based on feedback to recommendation doc from 3.1.4 (was 3.1.5)		M05	M06	2	Post PM6?
TR7.2	Start reengineering chosen modules according to set priorities (was 3.1.6)		M07	M09	4	Participation & duration to be discussed

Training requirements

- Yet to be defined
- Clarify what training can be provided by other project activities

Risk analysis

Risk title	Class Level		Description
Part-time projet personnel	M	3	Many part-time people currently listed. Sort out what this means in practice
Security Architecture	T		Dependent on overall architecture, which may be unclear at the start of the project (or rapidly change)
Security Architecture	M		Inadequate support/response time from non-JRA3 members
Security Architecture	M		Cross-activity Architecture and Security groups not quickly formed or consists of the "wrong" members
Security Architecture	M/T		EGEE arch initially non-OGSA delaying reqs collection/analysis wrt OGSA sec
Security Architecture	T	1	Consensus on the concepts defined within GGF
Interaction with other activity	M	3	We need to create as soon as possible a network of contact people within other activities, in particular JRA1, SA1, NA4 and Architecture Team
User survey	P	2	How much time do we need to understand if a survey is necessary?
User survey	P	2	Do we have enough time to organize the survey, distribute it, collect and elaborate the answers in the three months of MJRA3.1?

Relations with other activities

JRA1:

- Requirements definition
- Participation in Security Group
- Software maintenance and development

SA1 + JRA4:

- Requirements definition
- Incident handling procedures of GOC and ROC
- Participation in Security Group

NA4: Requirements definition + Security Group

Architecture Team: Requirements definition

Next steps before 1st project conference

- Finalize the Execution Plan so that each partner knows exactly what to do from day 1 (April 1st)
- Clarify Security Group (mandate, objective, composition)
- Prepare session programme for 1st project conference
- Start organizing security workshop with participants from other JRAs and NAs