Project DEPLOY
Grant Agreement 214158
“Industrial deployment of advanced system engineering methods for high productivity and dependability”

DEPLOY Deliverable D1

D12.1 Report on creation of DEPLOY infrastructure
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Public Document

30th April 2008

http://www.deploy-project.eu
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Introduction
The DEPLOY Integrated Project (Industrial deployment of advanced system engineering methods for high productivity and dependability) EU Contract number 214158 started on 1st February 2008. A “kick off” meeting was held in Newcastle from 18th to 20th February. At the accompanying EB meeting, the following infrastructure, set up by the Project Management Office was approved for use.

Deploy Infrastructure
The Deploy infrastructure has been created in such a way as to aid communication within the project and dissemination to interested parties on the outside. This is done in two ways. Firstly through an extensive suite of mail lists and second through our web presence which has three different faces.

Managing E-Mail
In order to manage information flow in a project as large and complex as Deploy, we have set up no fewer than sixteen different mail lists, all with well defined functions. Membership of most lists is open to all project members, with the exceptions being the Executive Board and Interest Group lists. The function of all lists is described below. In order to manage these lists effectively, we have chosen to use the JISCmail service.

JISCmail is a UK based service, open to academic institutions which allows easy set up, maintenance and archiving of mail lists. This is done through a system of list owners (typically the Deploy Administrator Jodi Hosbach and the Project Manager Jon Warwick) and a set of preferences which dictate among other things who can post to the list. All Deploy lists are “closed” meaning only list members can post, an effective way of controlling potential spam attacks

In addition, project members can add or remove themselves from Deploy lists with ease, although any additions are moderated by the list owners. The screenshot below shows a typical set up screen for Deploy.
DEPLOY-COORDINATOR List

Edit List Header – DEPLOY-COORDINATOR

Enquiry list for the Deploy Project

Subscription= By,Owner,Confirm
Default-options= Noack,Repro
Confidential= Yes
Reply-to= Send= Ignore
Review= Private
Errors= To= Owner
Notebook= Yes,Inclusion(DEPLOY-COORDINATOR,Monthly,Private)

Owner= jodi.hoxham@nel.ac.uk, jodi.hoxham
Owner= jen.warwick@ind.ac.uk, Jen Warwick

--------------- List Description (insert below) ------------------------
This list will be used by all stakeholders within the Deploy project for the purpose of research information dissemination.

Hit ON

Update  Reload
The table below shows the name, membership and purpose of all lists. All lists have the address @jiscmail.ac.uk. Further lists can be set up easily if they are deemed appropriate.

<table>
<thead>
<tr>
<th>Mail List</th>
<th>Membership</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deploy-Exec</td>
<td>EB members plus 1 alternate per site</td>
<td>To communicate Project management issues</td>
</tr>
<tr>
<td>Deploy-General</td>
<td>All project members</td>
<td>Announcements and discussions of interest to the whole project</td>
</tr>
<tr>
<td>Deploy-Coordinator</td>
<td>Management team</td>
<td>To receive all queries from project members and re-distribute as appropriate</td>
</tr>
<tr>
<td>DeployWP1-Bosch</td>
<td>Open to all project members</td>
<td>Announcements and discussions relating to WP1</td>
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<tr>
<td>Deploy-IG</td>
<td>Interested industry and academia not in the Deploy consortium</td>
<td>Distribution of newsletters, papers, deliverables. Announcement of open meetings, training sessions.</td>
</tr>
</tbody>
</table>
DEPLOY On The Web
There are several distinct purposes to Deploy on the web and therefore several different interfaces.

Project Web Site [http://www.deploy-project.eu](http://www.deploy-project.eu)
The external face of the project, which is managed by our Dissemination partner ClearSy. This will provide up to date information on the current state of Deploy, including:

- General information on the project and its objectives
- General information on the project partners
- Contact details for the project and partners
- Final Versions of all public deliverables
- Final versions of Deploy presentations where we can make them available
- Details of all open Deploy workshops or training events
- A full list of all Deploy papers and articles with links where possible
- A number of links to other relevant sites
- Back issues of the Deploy 6 monthly newsletter

A screen shot of the front page is shown below. The Deploy logo shown on the front page and below was chosen by the project from among several suggestions and is now the official deploy logo.
Deploy is an European Commission Information and Communication Technologies FP7 project

The overall aim of the EC Information and Communication Technologies FP7 DEPLOY Project is to make major advances in engineering methods for dependable systems through the deployment of formal engineering methods. Formal engineering methods enable greater mastery of complexity than found in traditional software engineering processes. It is the central role played by mechanically-analysed formal models throughout the system development flow that enables mastery of complexity.

As well as leading to big improvements in system dependability, greater mastery of complexity also leads to greater productivity by reducing the expensive test-debug-rework cycle and by facilitating increased reuse of software.

The work of the project will be driven by the tasks of achieving and evaluating industrial take-up, initially by DEPLOY's industrial partners, of DEPLOY's methods and tools, together with the necessary further research on methods and tools.
In order to make access to all publicly available Deploy documents as straightforward as possible, we also have a repository which makes use of the “Eprints” system developed and maintained by Southampton University.

This E prints system allows registered users to browse by year/type/subject for any printed matter of Deploy. Once found, it allows a pdf file of the item to be downloaded. The look of the interface for Deploy has been customised to fit with the look of our other web pages, as can be seen below. There is also the advanced search facility, which allows for easy retrieval of specific documents.

All these services are accessible for the project home page.
Deploy

Industrial deployment of system engineering methods providing high dependability and productivity

Browser by Type

Please select a value to browse from the list below:

- Article (1)
- Book
- Book Section
- Conference or Workshop Item (5)
- DEPLOY Deliverable
- Monograph (1)
- Other
- Patents Archive (1)
- Teaching Resource (1)
- Thesis
## Advanced Search

Don't panic! Just leave the fields you don't want to search blank. Click here for a simple search.

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<td>Format</td>
<td>HTML PDF Postscript Plain Text Image (PNG) Image (GIF) Image (BMP) Image (TIFF)</td>
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</table>
BSCW [http://bscw.cs.ncl.ac.uk/bscw/bscw.cgi/73881](http://bscw.cs.ncl.ac.uk/bscw/bscw.cgi/73881)
In addition to the project website, Deploy has also developed its own BSCW site, to provide a web resource for internal use only. BSCW (Basic System for Cooperative Working) is a web-based document repository, originally developed within EU research projects, and it is here that all working documents will be stored. Newcastle have used this system successfully before in large collaborative projects, notably DIRC and RODIN.

BSCW is structured around a number of folders. At the top level you simply access the “Deploy” folder, followed by a number of layers of sub folders structured around the project. So, there is a folder for each workpackage, and within each of those further levels for working documents, meetings, presentations, and so on. By placing all documents on BSCW, there is no longer any need to send large files round by e-mail. BSCW also gives us the ability to store templates, agendas, styles documents for deliverables, the description of work, EU guides and suchlike in one easily accessible place.

BSCW also has a calendar facility. We use this to record dates and places of all project meetings, allowing registered users to see at a glance, arranged events.

It is expected that all project members will register with Newcastle to use BSCW and will therefore have access to all such documentation. There will also be space on this site to store such things as templates, EU guides and other project documents. We also have a project calendar containing details (date place contact) of all internal meetings. The Deploy BSCW top level page is shown below.
### DEPLOY

**Project starts on February 1, 2008**

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</table>
The technical basis of the Deploy project is the platform developed in the Rodin project. This open source platform is to be maintained and improved during Deploy and we will carry on using Sourceforge for this. Sourceforge allows open development of the software together with a discussion forum, feature requests and bug reports. It proved successful before and there is every reason to believe that its use will be an asset to Deploy. The homepage of the Rodin platform is shown below. It is the plan of deploy to continue to refer to the platform as “The Rodin Platform” since it was first developed within the Rodin project. This project will be extended and improved during Deploy, however, to instigate a name change at this stage would break down the community of interest we are trying to build and any attendant “brand loyalty.”
SourceForge.net

- Jump to main content
- Jump to project navigation
- Jump to downloads for RODIN

RODIN

About RODIN

Open test platform for the cost-effective rigorous development of dependable complex software systems services. This platform is based on the event-B formal method and provides natural support for refinement and mathematical proof. You can find more info.

Latest File Releases

<table>
<thead>
<tr>
<th>Package</th>
<th>Release</th>
<th>Date</th>
<th>Notes / Monitor</th>
<th>Downloads</th>
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</table>

File Releases

Below is a list of all files released by this project. Before downloading, you may want to read Release Notes. The current release for each package is shown.
Another development around the platform, and another web interface for the project, is the Event-B website http://www.event-b.org/. Although not directly associated with Deploy, it is a valuable addition to the overall infrastructure of the project, and easily identified as part of the Deploy “brand” since it uses exactly the same styles as Deploy, as can be seen from the screenshot of the front page below.

This website is being run by a Steering Committee who will provide input on development of the Platform, this Steering Committee has both project and external representation and is chaired by Michael Butler. The main task of the group is to produce a roadmap for future development of the Rodin platform. Although such development will be driven in the main by the needs of Deploy, it gives an opportunity for contributions from outside the project. It is expected that Event B.org will take over full responsibility for the development and maintenance of the platform at the end of the Deploy project.
Roadmap for the Rodin Platform

We are in the process of developing a roadmap for future development of the Rodin platform and will make a draft available soon. The development will be driven largely by the needs of the DEPLOY project but we welcome contributions from other researchers.

If you are interested in contributing to Rodin please contact Michael Butler.
Deploy Project Management Office (PMO)

The Project Management Office, is situated in Newcastle and has two full time and one part time staff. The office is run by the Deploy Project Manager, Jon Warwick. The School of Computing Science at Newcastle is unique in the University in having had its own office for managing EU projects for over 15 years now, and Jon has been involved for some 8 years covering around 10 projects. Jon will have overall responsibility for the management of the project and will lead on budget matters, EU rules and requirements and contract issues.

Also in the office is the Project Administrator, Jodi Hossbach. Jodi who will be responsible for all day to day issues in running the project, such as meeting organisation, e-mail list management, and the collection of documents required by EC. Both Jon and Jodi benefit from part time clerical support from the Project Secretary, Shelly Henderson. All major issues surrounding project management are in the “Deploy Handbook,” an evolving and regularly updated document which is available to all project members via BSCW.

One of the major tasks of this office will be to oversee a system of internal review for deliverables prior to sending them to EC. The process has the following structure.

- Two months before delivery, a writing plan will be lodged with the PMO
- One month later a full draft will be placed on BSCW
- Two internally appointed reviewers will then have two weeks to read the document and supply comments and a review feedback form to the PMO
- The document author then has two weeks to address the comments and deliver the EC ready version.

We expect this process to lead to the delivery of high quality documents on time. All deliverables will have the same appearance since there is now also a defined set of Deploy “styles” which are imposed on authors / editors.

In order to simplify management of the project a little, we have settled on a pattern for the project year. The following important events will be held in the same month each year

- Plenary Workshop – November (2008 in Turku, Finland.)
- Meeting of the Executive Board – November during the workshop
- Rehearsal and EU Review – March/April each year in Brussels
- Meeting of the Executive Board – May (not in yr 1 since EB met in February)

In addition to these meetings, it is our intention to host annual one or two day events with each deployment partner. The first series of these meetings are on consecutive weeks from 30th April.
Conclusion:
In a very short space of time, the Deploy project has set up an infrastructure that will serve it well throughout its life. The combination of mail lists and websites allows information flow to the appropriate audience to be extremely straightforward. The management overhead associated with this infrastructure is almost all in the set up and we therefore anticipate relatively trouble free usage.