



**d4SCIENCE**

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## **Software release Procedures and Tools**

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**SEVENTH FRAMEWORK PROGRAMME  
Research Infrastructures**

INFRA-2007-1.2.2: Deployment of  
e-Infrastructures for scientific communities



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## SUMMARY

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This deliverable provides an initial definition of the Release Process to deliver the D4Science software distribution, i.e. the gCore and gCube systems.

The deliverable details the procedures to be followed involved actors during all phases of the Release Process from build, through integration, testing and documentation, up to distribution. It also selects a set of tools and the way they will be exploited to achieve the goal of Integration, Testing and Distribution activity.

## DELIVERABLE DOCUMENTATION

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The objective of D4Science Service Activities is to make available and maintain a stable, reliable and usable infrastructure to the D4Science user communities.

The first activity towards the achievement of the objective is to build a deployable, reliable and documented middleware distribution based on input provided by Joint Research Activities (JRA).

This activity, decomposed in a number of smaller yet complex tasks (e.g. integration, testing, documentation, distribution), requires the establishment of procedures, rules, schedules and conventions as well as the selection of adequate tools to support the coordination of the actors involved.

To share the established Release Process definition with the rest of the D4Science consortium, a web site for this activity was set up:

<https://integration.wiki.d4science.research-infrastructures.eu>

This web site gathers all relevant information related to the definition and execution of the Release Process. The web site is structured in six main sections:

- Overview – introduces the whole Release Process and its decomposition into its sub-activities;
- Tools – provides general information and references to a number of tools selected to carry out and support the Release Process;
- Roles – describes responsibilities and duties of the different actors involved in the process;
- Activities – provides guidelines, identify actors and describe how tools are exploited in each activity of the Release Process;
- Release Cycle – defines in detail, for every step of the process, the actions to be accomplished by each involved actor;
- Conventions – establishes naming rules to be adopted by developers in the operation of the Build & Test System.

Due to its nature, the web site is expected to evolve during the project lifetime as to reflect the progress in defining the Release Process. Being based on Wiki pages, the site allows an active and efficient collaboration among the partners involved. The web site represents the real deliverable, whereas this document has the role of creating the reference to it.

## REFERENCES

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- [1] D4Science Project Home Page: <http://d4science.org>
- [2] Integration, Testing and Distribution deliverable On-Line :  
<https://integration.wiki.d4science.research-infrastructures.eu>