Portuguese **Distributed Computing** Infrastructure

Revised Documentation Materials (Mi8.2)

Execution report

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14-May-2019	Catarina Ortigão	Doc preparation. Introduction
16-May-2019	João Pina Jorge Gomes	Updated content

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Introduction

The National Distributed Computing Infrastructure (INCD) aims to be a digital research infrastructure of reference that will provide computing and data services to the national scientific and academic community in all domains.

Performing pilots in partnership with user communities requires a component of knowledge transfer, and support for the exploitation of the INCD experimental services. The pilots may have very different requirements and levels of complexity. These will be met using one or more services in combination. It may also require the orchestration of different resources, or creation of complex flows. The services available may only be national or may require access to infrastructure in other countries (e.g. digital or non-digital). This activity aims to ensure that the pilots will be backed by a solid base of knowledge. This knowledge should enable an effective and successful exploitation of the infrastructure capacity. Thus contributing to the consolidation and success of INCD. Coordination of consultancy and training will be performed closely with activity 4 (pilots).

Sub-task 1 - Development of materials

Training and supporting materials for the pilots will developed and/or improved. These materials will provide information about the INCD infrastructure services, capabilities and procedures. These materials may be made available in several formats to support different channels such as: wikis, slides or video.

This report is for the project's milestone **Mi8.2- Consulting and Training, revised documentation materials**, and provides evidence that this task/milestone has been done and is complete.

Consolidation of Documentation

The INCD public documentation including training and support materials is consolidated in the new INCD wiki service located at https://wiki.incd.pt. This service is based on the open source wiki software BookStack https://www.bookstackapp.com/.

The materials are organized in Shelves, with each Shelve containing Books. The Books contain chapters and pages. The Figure 1 shows the several Shelves having user documentation at the INCD wiki. At the time of writing this milestone, the list of shelves includes: Cloud user documentation, General user documentation, HPC user documentation, INCD institutional documentation, Training and Users portal.
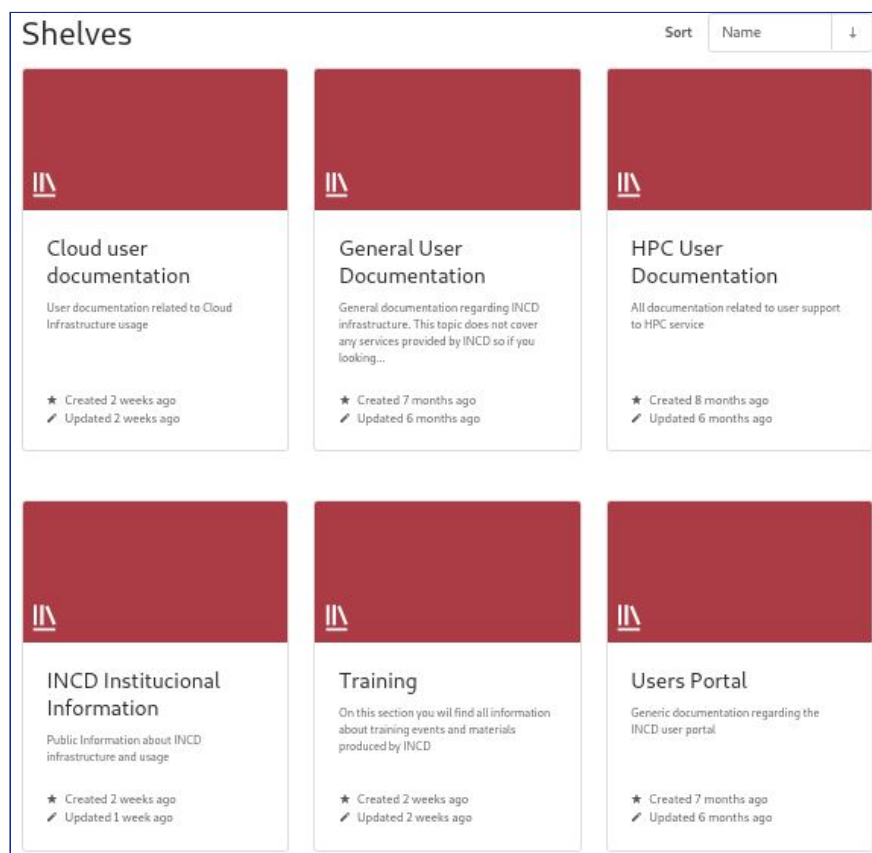

Figure 1 INCD documentation shelves

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Training materials

The training shelve can be directly accessed at: https://wiki.incd.pt/shelves/training

The list of Books in the training shelve is shown in Figure 2.
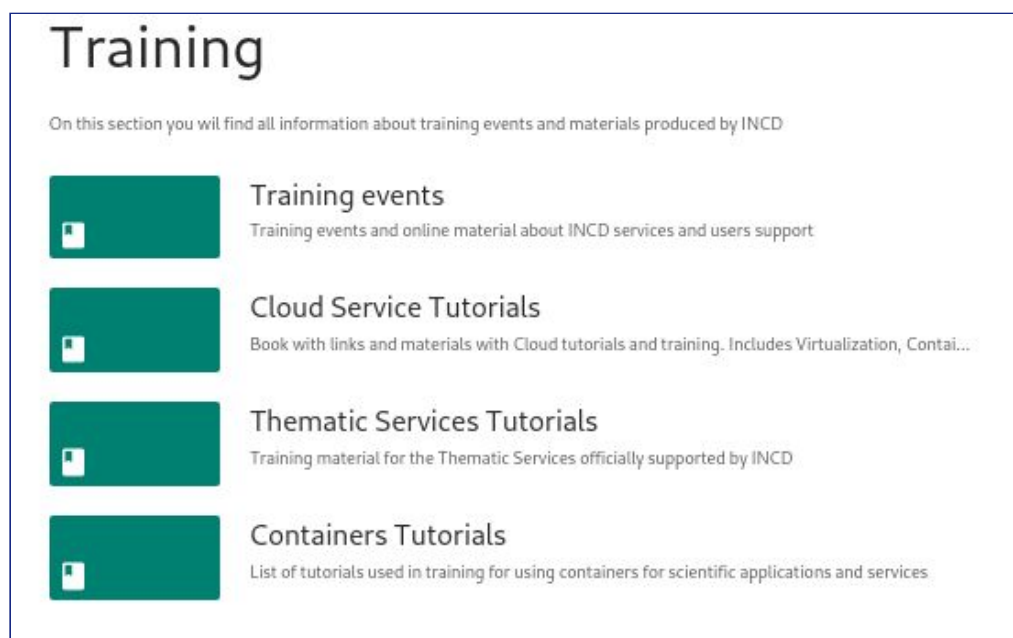
Figure 2 INCD wiki books in training shelve

The training materials have been revised. They include:

- updated versions of the Openstack tutorial materials for the second release of the INCD IaaS cloud service;
- tutorials on thematic services supported in the INCD cloud (e.g. OPENCoastS etc);
- tutorials covering the execution of containers in batch systems using the udocker tool.

A new version of the command line tutorial for Openstack has been started in a github repository at:
https://github.com/LIP-Computing/tutorial-oscli

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The Bookshelves for Cloud user documentation, General user documentation and HPC user documentation, provide additional information on the use of the INCD services.

The use of BookStack and github will enable the collaborative development of documentation and training materials.