

Deployment and management of software at INCD

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The Portuguese Distributed Computing Infrastructure (INCD) is a digital research e-infrastructure with operational centers at different geographic locations within the country. The catalogue of services includes both generic services like HPC, HTC and cloud as well as tailored services developed for specific purposes and/or scientific domains.

This ecosystem represents a challenge regarding deploying and managing software and services across several locations. Over the years, INCD has been developing tools and practices to maintain the software that is then made available across sites through a central software distribution service based on Squid and the CernVM File System (CVMFS) to address this challenge.

In this talk, we will present the architecture, workflow and software tools used at INCD to install, test, deploy and publish software for services and user applications.

Primary authors: MARTINS, João Paulo (LIP); PINA, João (LIP)

Presenter: PINA, João (LIP)

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