



Elettra Sincrotrone Trieste

A custom build-and-deploy tool based on Git

Why

Because of large number of legacy platforms, running custom device drivers and/or hard real-time applications based on RTAI and Adeos/Xenomai

Not supportable in modern CI/CD tools

Developers want/need flexibility and not to depend on sysadmin for software installation

INAU: IN_{stallazione} AU_{tomatica}

But

Prevent from spreading privileged access to control system hosts

Need to keep trace of who installed, upgraded or downgraded what, when and where

Then

A database to store configurations, build and installation history

A builder service, reacting to Git annotated tags

An installer service, available to authorized developers via http/REST

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