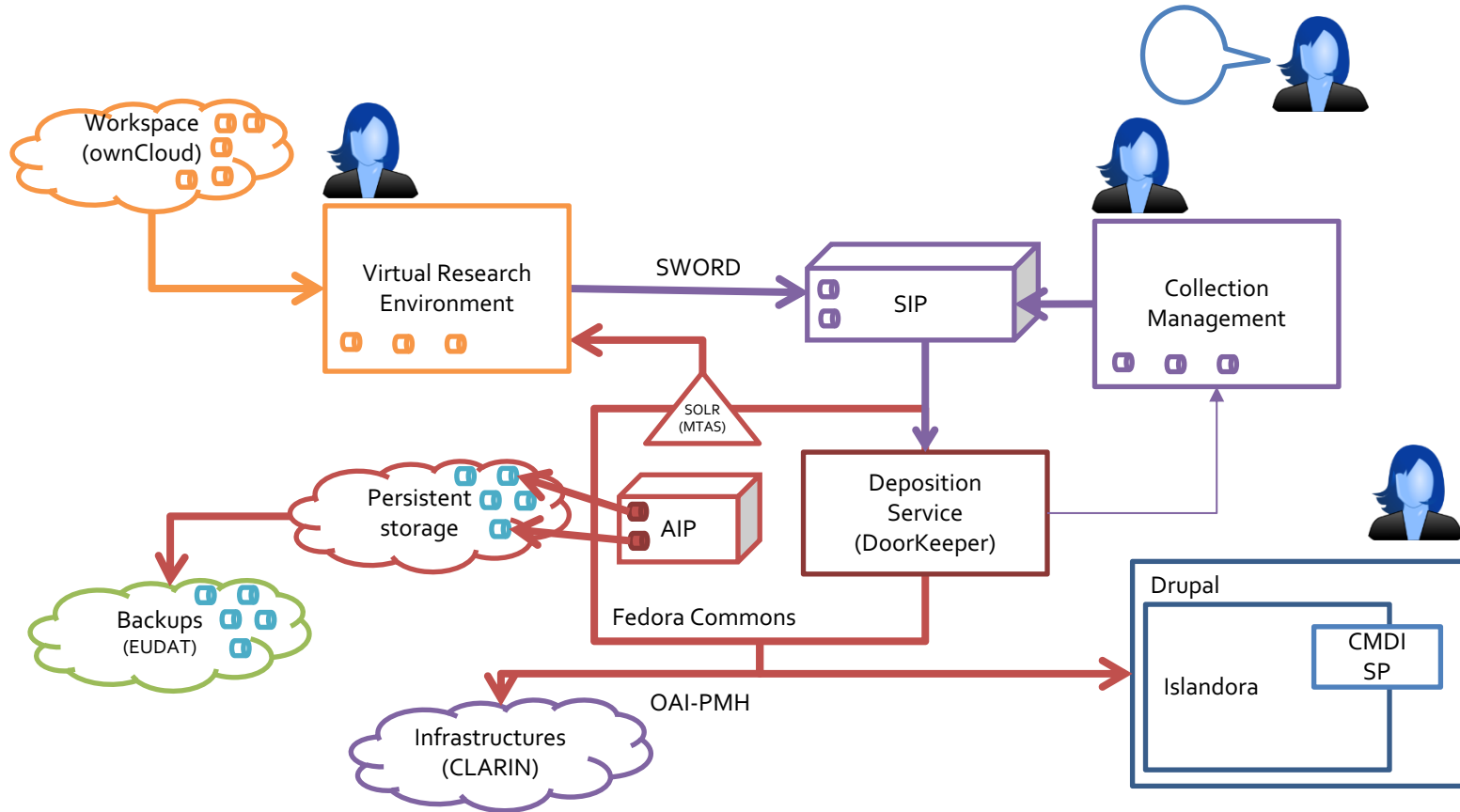


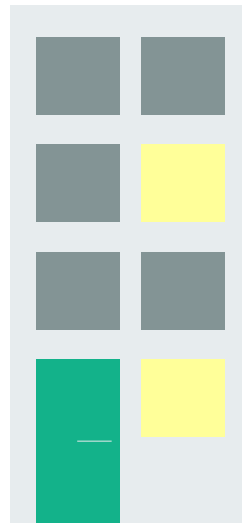
HuC DI – Structured Data – DoorKeeper



Origin



Demo



Features



- Pushes a workdir (=metadata+resources) through a series of action chains:
 - init -> main -> exception? -> final
 - tweak actions by properties and/or parameters and/or overwrites
 - Actions are small (focussed) and dynamically loaded
- Async by default, logs for end-user (info, warning, error) and devops (debug)
- Write Ahead Log to support rollback of actions
- Main action chain can be run in stages, e.g., validation run, followed by persistence run
- Oblivious to
 - how workdir is populated, e.g., SWORD, (Own|Next)Cloud
 - Metadata format, e.g. CMDI
 - Aim, e.g., common API to a repository, check resources, hide complex policies (or all of these)
- CLI or Servlet

Actions



- Validate the metadata, also according to centre specific requirements
- Check the validity of resources against preferred formats ([FITS](#))
- Move new resources from a temporary workspace into persistent locations
- Expand WebACL to XACML
- Version management (MPI-way, MI-way)
- Assign and create handles (EPIC)
- Interact with Fedora Common's API-M
- Trigger indexing
- Create backup bags (for DANS or *EUDAT*)

Once upon a time:

- *Assess metadata quality*
- *Offer the SIP for evaluation to collection management*

Broaden scope:

- Also process JSON (maybe via XML so we can retain the use of the power of XPath)
- Move away from Repository focus to, more generic, registries/databases