
The CDB evolution - part 3

03/07 – Trinity College Dublin

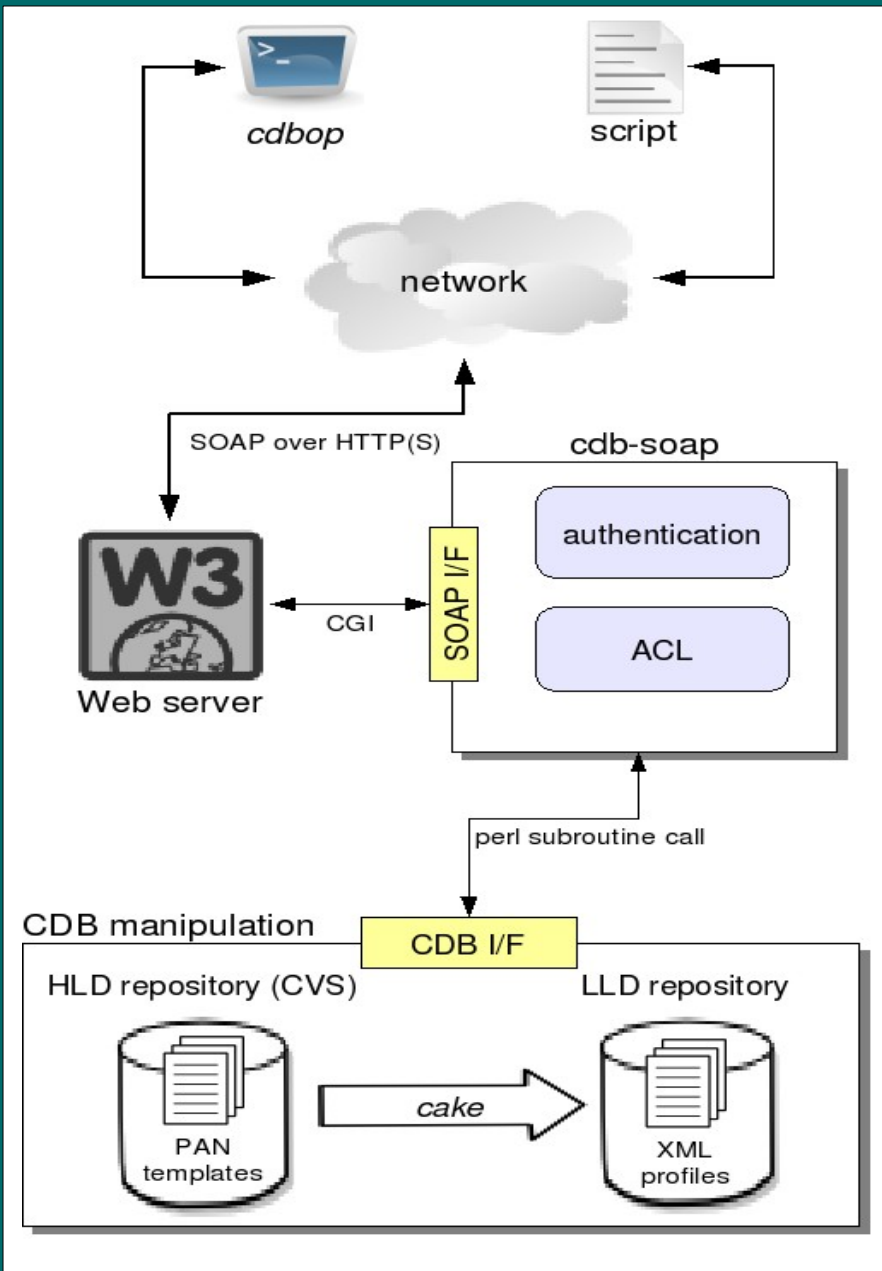
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Outline

- CDB overview
- Tasks completed since last workshop @ DESY
- Left behind since the last workshop @ DESY
- What's new
- Boiling in the pot

CDB overview



Three-tier architecture

□ SOAP client

- + *cdbop* interactive/batch shell
- + scripts

□ SOAP middle-ware

- + Apache + *cdb-soap* CGI
- + stateless: each connection conveys one command

□ CDB back-end

- + it's a library, not a server
- + templates compiled via *cake*
- + templates stored in *CVS*
- + stateful: partially transactional semantic through “sessions”

Tasks completed since last workshop @ DESY

- State management through session metadata
- Parallel compilation of profiles
- Smarter rollback and commit
- Handling of “dead”r evisions

Left behind since the last workshop @ DESY

- Fine-grained CDB locking with fair queuing. **Pending.**
- A common authentication service. **Pending.**

What's new

□ **cdb-cli** (a.k.a. **cdbop**)

- + SOAP issues solved with *base64* encoding
- + Some “lifting” for a more friendly usage

□ **cdb-soap**

- + Configuration file support

□ **cdb**

- + More flexible setup for directories and ownership
- + Commit goes through only if there is something to do
- + Improved logging handling and look

Boiling in the pot

Ideas

- *Bug #18005*: make dependency information available to user interfaces
 - + Inclusion graphs: pangraph parses Pan templates, a tool for XML parsing will come from Lemon
- *Bug #21221*: get rid of internal Config library in favor of AppConfig::File
 - + Other modules, such as CCM, affected

Issues

- *Bug #23532*: Replace Tie::File(::AsHash) with a lighter module
 - + Why? Slow-down when processing long templates list
- SOAP eats too much memory!

Am I forgetting something?
Any RFE, wish, remark?