

VESPA data services workflow

New provider

- VESPA is using EduTEAMS (a service provided by GÉANT) for managing user authentication and authorisations.
- VESPA is using a private Gitlab instance to host, develop and manage the VESPA servers and services configuration files.
- **EduTEAMS registration is required to access voparis-gitlab**
- Details: [VESPA Data provider on-boarding process](#)

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DaCHS configuration

- After deploying DaCHS, configuration is needed.
Two files must be updated:
/etc/gavo.rc and */var/gavo/etc/defaultmeta.txt*
- We recommend to keep track of the configuration on voparis-gitlab (for backup and issue tracking)
- Template + technical deployment guidelines:
https://voparis-gitlab.obspm.fr/vespa/dachs/servers/_template/server_config_template
- Don't forget to commit/push/pull configuration files.
- Detailed configuration: to be discussed with teams.
NB: Some details are available here: [Initial DaCHS Configuration](#)

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Service configuration

- We recommend to keep track of your service configuration files in dedicated individual git repositories on voparis-gitlab (development, backup and issue tracking)

See: [VESPA-Hub Repository Architecture](#)

and [Individual Repository for VESPA Service Resource Descriptor in DaCHS](#)

- There are various ways of importing metadata into your services:
 - import metadata from a CSV file prepared in advance
 - import metadata from data files (FITS, CDF, CSV...) using format-specific DaCHS parsers
 - import metadata from external DB, using ODBC
 - import metadata from a custom script doing what you need
- We have working examples for each of those import methods (check on voparis-gitlab)
- Step 0: define your <<server-name>> and <<service-name>> and create your access token (on voparis-gitlab) if you haven't done it already.

Example import methods

Import type	Example service
import metadata from a CSV file prepared in advance	iks, exotopo, mcd, spicam
import metadata from data files (FITS, CDF, CSV...)	wind_waves (CDF)
import metadata from external DB, using ODBC	eit_syn, hfc1ar, apis
import metadata from a custom script doing what you need	gaia_dem (ext. db), voyager_pra (PDS3)

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Service configuration

- Step 1: Create your service repository on voparis-gitlab. Fill in the README with minimal info about the service.
- On your DaCHS server, the service configurations are located in /var/gavo/inputs, with a sub-directory per service.
- Step 2: load your empty service from gitlab
 - > `cd /var/gavo/inputs`
 - > `git clone https://<<username>>:<<accesstoken>>@voparis-gitlab.obspm.fr/vespa/dachs/services/<<server-name>>/<<service-name>>.git`
- To create an empty template configuration file, use the command:
 - > `cd <<service-name>>`
 - > `dachs start epntap`
- You can now start editing your *q.rd* file.
Regularly git pull/commit/push to keep track of changes and allow the VESPA team to review and suggest improvement through issues on the repository.