

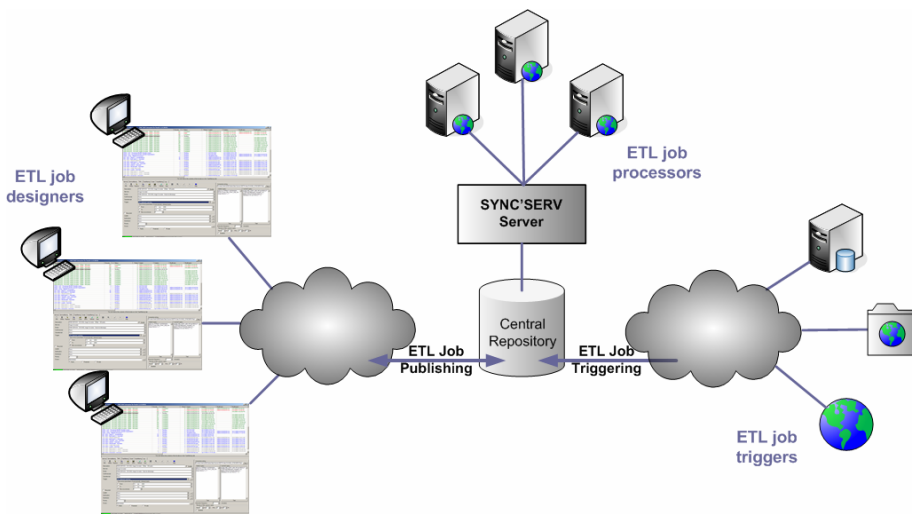


SYNC'SERV

SYNC'SERV is an application for replication of tabular and spatial data, that operates scripts (FME, SQL, UNIX Shell Script, GDAL, Windows Batch File, ...). Its main goal is to offer simple and efficient means to create tasks, which are capable to handle and synchronize data between different servers.

SYNC'SERV resemble to ETL tools (Extract, Transform and Load). It has the function to offer a working environment to the designers of ETL processes, to allow them to create, manage and initiate complex data processing tasks within heterogeneous working environments exploiting :

- different data processing software or libraries (FME, GDAL, Oracle SQL*Plus, and others) ;
- different data sources (relational data bases, files) accessible via FTP and SFTP protocols ;
- different operating systems (Windows, Linux, FreeBSD, Solaris, MacOS X, ...).



SYNC'SERV allows the release of tasks :

- in a scheduled way from a calendar ;
- in response to the deposit of files into a monitored directory ;
- in response to a change of the content within a data base ;
- in response to operations made on SOAP/WSDL Web services ;
- manually via the graphic interface.

SYNC'SERV allows loading and distributing data through the FTP/SFTP protocols.

SYNC'SERV can inform directly the users about the good development or the failure of a task by automatically sending an e-mail.

The SYNC'SERV solution is based on a modular architecture, appearing under the form of a Windows service and a user interface operating on a client/server 3 thirds architectural concept.

The first third is made up of several tables forming the SYNC'SERV data model. These tables contain the solution's persistent data (service parameters, task parameters, task log, script parameters, log files).

The second third is the system's heart. It is made up of an object library generating the scripts and starting the data processing tasks.

The last third is the user interface allowing configuring and surveying the development of the SYNC'SERV solution's tasks.

The SYNC'SERV explorer application is made up of three main modules:

➤ Service

The service module allows grouping together the tasks within a service and defining the machine on which these tasks will be carried out.

➤ Task

The task allows defining the processes as well as their release mode. This module offers also a log allowing consulting the state of the different processes as well as their history.

➤ Script

The script module offers the option to define the keywords, the script inclusions and the variables to pass to the processor (FME or SQL) in order to make the replication tasks totally dynamic.

SYNC'SERV is currently available in 3 languages: French, German and English.

SYNC'SERV has also an API allowing extending its functionality according to the customer's specific needs.

SYNC'SERV is available in two kinds of license :

➤ Enterprise License

Multi user license exploiting standard databases of the market (Oracle, Microsoft, SQL Server, MySQL, and others on demand).

This license can be installed on an unlimited number of workstations but its frame of use is limited to three databases :

- one database for production ;
- one database for test or validation ;
- one database for development.

➤ Personal License

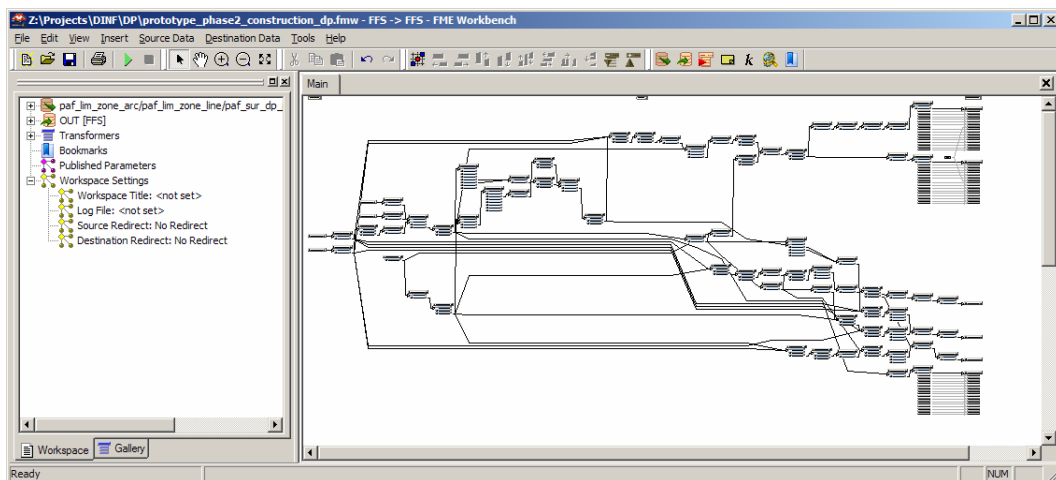
One-user license exploiting the Microsoft Access database.

This license can be installed only on a single workstation.

The number of tasks, scripts, databases or files processed by SYNC'SERV is unlimited with both kinds of license.

SYNC'SERV is currently working in different Swiss organizations and companies:

- Cantonal Administration Vaud – Department of Infrastructures
- Cantonal Administration Vaud – Office of Forests, Wildlife and Nature
- Republic and Canton Geneva – Department of Territory
- Republic and Canton Geneva – Department of Construction and Information Technologies
- Republic and Canton Neuchâtel – Information System of Neuchâtel's Territory
- Republic and Canton Jura – Office of town and country planning – Land registry and geomatics
- Swisstopo – Federal office of topography
- CABLECOM GmbH – Telecom company - Department of geomatics
- SPATIAL SA – Service company in geomatics



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