

# Syncany Architecture (21 Jul 2014)

Local machine

Thin clients

Web Browser

Mobile GUI

Fat & thin clients

Syncany CLI

Thin clients (web or mobile) can use the REST and WebSocket API to access Syncany. In addition to that, the CLI can access the backend storage directly.

List watched folders, retrieve file list, download file, ...

User Interface Layer

Service Layer

Local machine or your server

Syncany Daemon

Web Server

(REST & WebSocket API and optional web frontend)

Daemon Operation

Watch Operation

Transfer Plugins

FTP

S3

SFTP

...

Web Plugins

WebUI

The Syncany daemon manages 1-n synced folders. Each managed folder stores its encrypted data on a dumb storage backend (e.g. SFTP or S3).

The daemon can run locally or on your own server. If it is run on a server, the web frontend can be accessed from anywhere and mobile clients can connect to it.

Subscribe, announce and unsubscribe

Upload, download, list and delete (encrypted data only)

Central services

Fanout pub/sub server  
at [notify.syncany.org](http://notify.syncany.org) (optional)

Dumb storage backend  
(e.g. S/FTP, Amazon S3, WebDAV, etc.)

Backends & Internet Services

Legend:

WIP

Working