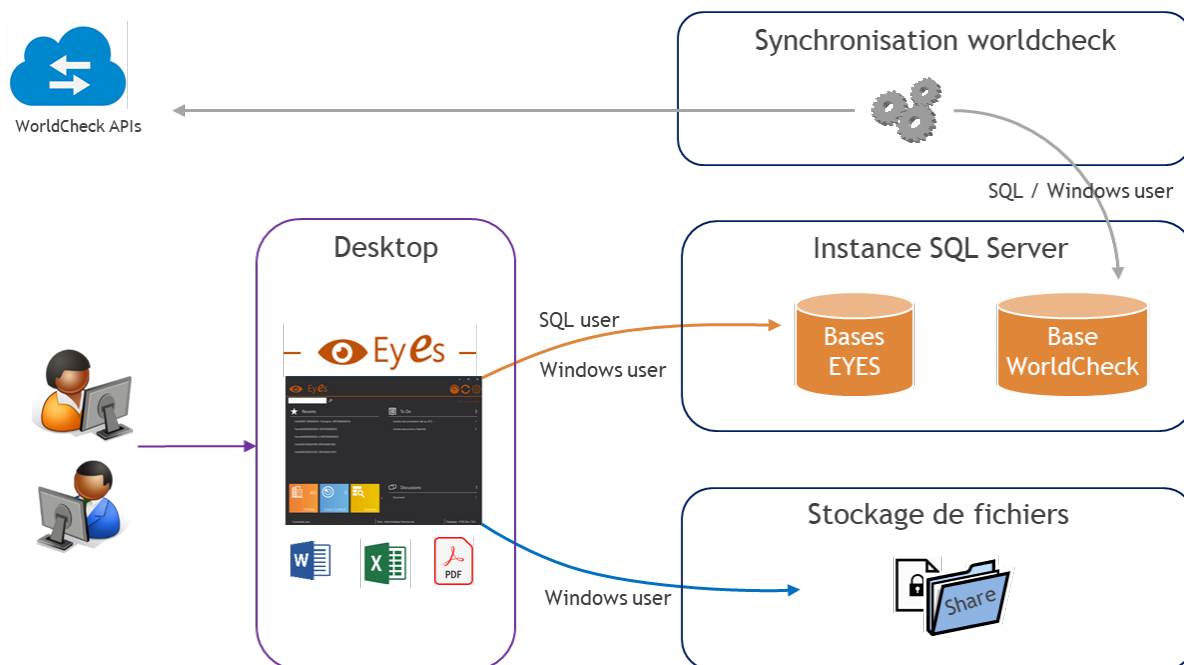# TECHNICAL ARCHITECTURE OVERVIEW – EYES SOFTWARE

Client-side prerequisites

EYES software is a « desktop application » and is deployed on user workstation.
Login is done with an applicative user defined in the EYES database (no SSO/AD authentication at that time).

Microsoft Office tools (Excel, Word) as well as a PDF reader tool must be available.

Type	Version
Operating system	Desktop Windows 7, 10, 11 Server Windows 2019, 2022
Microsoft .Net Framework	4.8
Minimum memory (RAM)	2GB
Minimum disk space	250MB

Server-side prerequisites

The server-side functionalities are divided into 3 parts:
- SQL for database hosting.
- File storage.
- Applicative tasks (e.g. WorldCheck sync process).

This split is a functional overview and does not necessarily require 3 separate servers. The client is free to integrate these parts on one or more servers.

✓ SQL

The SQL instance hosts the various databases (EYES and World-Check) required for the proper functioning of the application.
SQL authentication can support mixed mode (SQL login or Windows integrated).

Type	Version
SQL server Version	2019 to 2022
SQL server edition	Express Advanced or Standard
SQL server Collation	**SQL_Latin1_General_CP1_CI_AS**
SQL server Feature	**Full Text Search**
Minimum memory (RAM)	8GB
Minimum disk space	20GB

✓ File storage

Disk space for files will need to be allocated. These files are accessed and managed from the EYES app through the user's Windows account.

Type	Version
Minimum disk space	15GB

✓ Applicative tasks

The synchronization tool is an executable, launched at regular intervals using Windows tasks. It retrieves data from World-Check (in CSV format) and then injects it into a dedicated database. World-Check provides an API queried through an HTTPS request with user/password.

Type	Version
Microsoft .Net Framework	4.8
Minimum Memory (RAM)	2GB
Minimum disk space	5GB

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