

## 4.3.1 Script-based installation for version 30 SP2024

Here's an example of a simple batch file, without checking the version already installed, to install version 30 SP2024 from the existing update folder. This update folder can be populated by the offline setup: [with catalogs, cadworkprofil and userprofil](#).

In the script below, for some modules, the presence in the folder is not tested. The reason for this is that their installation is compulsory, and the executables are automatically downloaded during a standard update, and are present in the offline setup.

```
@ECHO off

:: Variable definitions.
:: Date and time definition.
SET YEAR=%DATE:~6,4%
SET MONTH=%DATE:~3,2%
SET DAY=%DATE:~0,2%
SET HOUR=%TIME:~0,2%
SET MINUTES=%TIME:~3,2%

:: cadwork variable definitions.
:: The client number, like the language, are essential for installation.
:: A wrong number causes installation or licensing errors.
:: The chosen language will impact the catalogs to be installed.
:: Contact cadwork support if needed.

SET UPDATE=FALSE
SET REMOVE=FALSE
SET VERSION=30.0
SET CLIENTNUMBER=04.12345.0
SET LANGUAGE=french
:: Network paths must be in UNC format.
SET CADWORKDIR=%programfiles%\cadwork.dir
SET UPDATEDIR=\\srv001\public\cadwork\update
SET USERPROFILEDIR=\\srv001\public\cadwork\userprofil_%VERSION:~0,2%
SET USERCATALOGDIR=\\srv001\public\cadwork\cadwork.cat

:: Log file location.
SET INSTALLLOGDIR=\\srv001\public\cadwork\Logs_dir

:: Log file definition with date and time in the desired format.
SET LOGFILE=%INSTALLLOGDIR%\%YEAR%_%MONTH%_%DAY%_%HOUR%_%MINUTES%.txt

:: Calls the main script "main" and redirects standard outputs and
:: errors to the log file.
CALL :main > %LOGFILE% 2>&1

:: End of script
:end
PAUSE
ECHO Installation finished. We wish you a good use!
GOTO EOF

:: Uninstallation
if %REMOVE%==TRUE goto :REMOVE

:main
ECHO %DATE% - %TIME% - SCRIPT START

:: Module installation (First installation and update).
:: Program part.
```

```

:: At the root of the %CADWORKDIR% folder.
:: Ci-Start program.
IF EXIST "%UPDATEDIR%\EXE\cadwork_CI-Start_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_CI-Start_%VERSION%_x64.exe" /dir="%CADWORKDIR%" /verysilent
    ECHO ci_start - Installation finished
) ELSE (
    ECHO The Ci-Start installer, which is a mandatory component, is missing
)

:: Ci-Com module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_CI-COM_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_CI-COM_%VERSION%_x64.exe" /dir="%CADWORKDIR%" /verysilent
    ECHO Ci-Com - Installation finished
) ELSE (
    ECHO Ci-Com - Installer not found
)

:: Subfolder per cadwork version.
:: 2D module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_2D_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_2D_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO 2D module - Installation finished
) ELSE (
    ECHO 2D module - Installer not found
)

:: 2DV module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_2DV_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_2DV_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO 2DV module - Installation finished
) ELSE (
    ECHO 2DV module - Installer not found
)

:: 3D module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_3D_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_3D_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO 3D module - Installation finished
) ELSE (
    ECHO 3D module - Installer not found
)

:: Database module (3D textures and metal profiles).
IF EXIST "%UPDATEDIR%\EXE\cadwork_Database_%VERSION%.exe" (
    "%UPDATEDIR%\EXE\cadwork_Database_%VERSION%.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO Database module - Installation finished
) ELSE (
    ECHO Database module - Installer not found
)

:: cadwork Conception module (also called Lexocad).
IF EXIST "%UPDATEDIR%\EXE\cadwork_Lexocad_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_Lexocad_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO Cadwork Conception module - Installation finished
) ELSE (
    ECHO Cadwork Conception module - Installer not found
)

:: List module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_List_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_List_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO List module - Installation finished
) ELSE (
    ECHO List module - Installer not found
)

:: LxSDK module (Some mandatory libraries).
IF EXIST "%UPDATEDIR%\EXE\cadwork_LxSDK_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_LxSDK_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent
    ECHO LxSDK module - Installation finished
) ELSE (
    ECHO LxSDK module - Installer not found - Mandatory libraries for 3D are missing
)

:: Pclib module (Libraries common to all modules).
IF EXIST "%UPDATEDIR%\EXE\cadwork_Pclib_%VERSION%_x64.exe" (
    "%UPDATEDIR%\EXE\cadwork_Pclib_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysilent

```

```

ECHO Pclib module - Installation finished
) ELSE (
ECHO Pclib module - Installer not found - Mandatory libraries for all modules are missing
)

:: Optipanel module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_OptiPanel_%VERSION%_x64.exe" (
"%UPDATEDIR%\EXE\cadwork_OptiPanel_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /very
ECHO OptiPanel - Installation finished
) ELSE (
ECHO OptiPanel - Installer not found
)

:: Subfolder per cadwork version - Subfolder "PI" - License dependent module.
:: Lamel module (For glulam manufacturers).
:: This module may not be present as it depends on the client number.
IF EXIST "%UPDATEDIR%\EXE\cadwork_Lamel_%VERSION%_x64.exe" (
"%UPDATEDIR%\EXE\cadwork_Lamel_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysi
ECHO Lamel - Installation finished
) ELSE (
ECHO Lamel - Installer not found
)

:: Subfolder per cadwork version - cadwork modules existing up to version 26 inclusive.
:: 2DM module.
IF EXIST "%UPDATEDIR%\EXE\cadwork_2DM_%VERSION%_x64.exe" (
"%UPDATEDIR%\EXE\cadwork_2DM_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysile
ECHO 2DM - Installation finished
) ELSE (
ECHO 2DM - Installer not found
)

:: Connect module (directly implemented in the "Window -> Leica Toolbar" menu).
IF EXIST "%UPDATEDIR%\EXE\cadwork_Connect_%VERSION%_x64.exe" (
"%UPDATEDIR%\EXE\cadwork_Connect_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /very
ECHO Connect - Installation finished
) ELSE (
ECHO Connect - Installer not found
)

:: Lexoview module.
:: Replaced by WebViewer export (HTML format) or by BIMTeam (Web solution hosted at cadwork).
IF EXIST "%UPDATEDIR%\EXE\cadwork_Lexoview_%VERSION%_x64.exe" (
"%UPDATEDIR%\EXE\cadwork_Lexoview_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /ver
ECHO Lexoview - Installation finished
) ELSE (
ECHO Lexoview - Installer not found
)

:: Subfolder per cadwork version - Module for road engineers (Civil engineering).
IF EXIST "%UPDATEDIR%\EXE\cadwork_2DR_%VERSION%_x64.exe" (
"%UPDATEDIR%\EXE\cadwork_2DR_%VERSION%_x64.exe" /dir="%CADWORKDIR%\EXE_%VERSION:~0,2%" /verysile
ECHO 2DR - Installation finished
) ELSE (
ECHO 2DR - Installer not found
)

:: cadwork and cadworkprofil catalogs (First installation and update).
:: According to a fixed folder defined by cadwork (cannot be changed by the user).
:: Architecture catalogs.
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\architecture_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
"%UPDATEDIR%\CAT\%LANGUAGE%\architecture_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysile
ECHO Architecture catalogs - Installation finished
) ELSE (
ECHO Architecture catalogs - Installer not found
)

:: Plugins created by Cadwork (cadworkprofil).
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\cadworkprofil_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
"%UPDATEDIR%\CAT\%LANGUAGE%\cadworkprofil_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysil
ECHO Cadworkprofil - Installation finished
) ELSE (
ECHO Cadworkprofil - Installer not found
)

```

```

:: 2D catalogs.
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\catalog_2d_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
    "%UPDATEDIR%\CAT\%LANGUAGE%\catalog_2d_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysilent
    ECHO 2D catalogs - Installation finished
) ELSE (
    ECHO 2D catalogs - Installer not found
)

:: 3D catalogs.
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\catalog_3d_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
    "%UPDATEDIR%\CAT\%LANGUAGE%\catalog_3d_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysilent
    ECHO 3D catalogs - Installation finished
) ELSE (
    ECHO 3D catalogs - Installer not found
)

:: cadwork manuals.
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\manual_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
    "%UPDATEDIR%\CAT\%LANGUAGE%\manual_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysilent
    ECHO cadwork manuals - Installation finished
) ELSE (
    ECHO cadwork manuals - Installer not found
)

:: Version news.
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\news_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
    "%UPDATEDIR%\CAT\%LANGUAGE%\news_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysilent
    ECHO News - Installation finished
) ELSE (
    ECHO News - Installer not found
)

:: Variant catalogs (parametric catalog files).
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\variant_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
    "%UPDATEDIR%\CAT\%LANGUAGE%\variant_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysilent
    ECHO Variant catalogs - Installation finished
) ELSE (
    ECHO Variant catalogs - Installer not found
)

:: Video catalogs (links to training videos on YouTube, Vimeo or other online platforms).
IF EXIST "%UPDATEDIR%\CAT\%LANGUAGE%\videos_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" (
    "%UPDATEDIR%\CAT\%LANGUAGE%\videos_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /verysilent
    ECHO Video catalogs - Installation finished
) ELSE (
    ECHO Video catalogs - Installer not found
)

:: Userprofil (here on the network and should not be installed by each client).
IF EXIST "%USERPROFILEDIR%" (
    ECHO userprofil already installed
) ELSE (
    "%UPDATEDIR%\CAT\%LANGUAGE%\userprofil_%LANGUAGE%_%CLIENTNUMBER:~0,2%_%VERSION%.exe" /dir="%USERPROFILEDIR%"
    ECHO Userprofil - Installation finished
)
ECHO Installation finished

ECHO %DATE% - %TIME% - SCRIPT END
PAUSE
:: The update is finished here.

:: This batch is not intended for an update.
:: That's why, if the %UPDATE% variable is set to "TRUE", nothing will happen.
IF %UPDATE%==TRUE GOTO EOF

:: For the first installation:
:: - Save the client number.
ECHO %CLIENTNUMBER% > "%CADWORKDIR%\CLIENT_NR.TXT"

:: - VCRedist is mandatory, DirectX 9c may need to be installed manually.
"%CADWORKDIR%\exe_%VERSION:~0,2%\pclib.x64\redist\vcredist_x64\vcredist2015-2022_x64.exe" /install

:: - Create shortcuts and registry entries by the cadwork start.
"%CADWORKDIR%\ci_start.exe" /INSTALL /SILENT /USP="%USERPROFILEDIR%" /CATDIR="%USERCATALOGDIR%" /
IF NOT EXIST "%PROGRAMDATA%\Firebird\" MKDIR "%PROGRAMDATA%\Firebird"

```

```
PAUSE
GOTO EOF
```

```
:: Delete a local installation.
:: - %UPDATEDIR%, %USERPROFILEDIR% and %USERCATALOGDIR% are located on the network and are therefore
:REMOVE
IF EXIST "%CADWORKDIR%\ci_start.exe" "%CADWORKDIR%\ci_start.exe" /UNINSTALL /SILENT
IF EXIST "%CADWORKDIR%" RMDIR /s /q "%CADWORKDIR%"
IF EXIST "%PROGRAMDATA%\cadwork\" RMDIR /s /q "%PROGRAMDATA%\cadwork"
IF EXIST "%PROGRAMDATA%\Firebird\" RMDIR /s /q "%PROGRAMDATA%\Firebird"
IF EXIST "%Public%\documents\cadwork\" RMDIR /s /q "%Public%\documents\cadwork"
IF EXIST "%AppData%\cadwork\" RMDIR /s /q "%AppData%\cadwork"
Pause
```