

## Delft-FEWS Basic Configuration Course Getting Started

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### 1 Introduction

Welcome to the Delft-FEWS Basic Configuration Course. If you'd come to this document, you are already on your way to set up your own flood-forecasting system and we hope you are excited to learn. This document will provide the required software and initial instructions to prepare for the course. Delft-FEWS itself is completely portable and doesn't require additional installations. However, the way we deliver this course (and the models used in it) do require new software. Please follow the instructions carefully and enjoy!

The content of this course was originally developed to be delivered on an online e-learning platform. We exported all modules with exercises, presentations and videos to this folder and made this available to you.

It is also possible to follow the same course on the eLearning platform, this would give you 1 on 1 contact with a Delft-FEWS instructor, room to ask questions and you can even become a certified Delft-FEWS expert. If you want to get the full Delft-FEWS Course experience, please contact [fews-courses@deltares.nl](mailto:fews-courses@deltares.nl) for information on how to follow this course online.

If you want to get a sneak-preview of the course and follow the first two Modules, we have prepared a demo at the following link:

<https://deltares.anewspring.nl/do?action=addDemoProduct&productId=2>

This demo also includes instructions on how to **download and install Delft-FEWS**.

## 2 Software for the Course

### 2.1 Required

The following software is required for the Delft-FEWS Basic Configuration Course:

Software	Link
xml file reader and editor	XMLSpy (Paid program, free trial, recommended) <a href="https://www.altova.com/xmlspy-xml-editor/download">https://www.altova.com/xmlspy-xml-editor/download</a>
	XMLPad (Free) <a href="https://xmlpad-mobile.com/#WmHelp">https://xmlpad-mobile.com/#WmHelp</a>
csv file reader and editor	Microsoft Excel
	OpenOffice Calc <a href="https://www.openoffice.org/product/calc.html">https://www.openoffice.org/product/calc.html</a>

### 2.2 Recommended

We recommend the following software for ease of use in the course.

Software	Link
Total Commander for file management	<a href="https://www.ghisler.com/download.htm">https://www.ghisler.com/download.htm</a>
GIS Software	<a href="https://qgis.org/en/site/forusers/download.html">https://qgis.org/en/site/forusers/download.html</a>

## 3 Getting Started

### Setting Up the Folder Directory

#### 3.1.1 Required Files

The required files for this course can be downloaded from the following link (in order to download the files you need to create an account and login): <https://oss.deltares.nl/web/delft-fews/downloads>

The Delft-FEWS software is listed under **Basic Config Course → Delft-FEWS 2019.02 Demo Software >**

#### NOTE:

*Once you click on the download link you may get a Subversion (SVN) Login pop-up asking for credentials. This is because large files are stored on a separate server. Please use your Windows Login ID in combination with your Delft-FEWS Portal password. Or try MyDeltares username, which is the first part of your email when creating the account.*

Note that the file sizes are large (approx. 2 GB total).

The .zip files downloaded are:

DelftFEWSBasicConfigCourse.zip

LocalDataStore.zip (may contain timestamp)

Please check that you can download these files to proceed. If not contact your Deltares contact directly, and leave a comment below this exercise. Note they may not be available for download beyond the course instruction period.

### 3.1.2 Unzipping the FEWSBasicConfigCourse.zip to a new directory

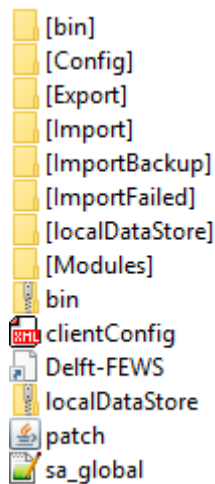
To begin with, unzip the folder contained in the FEWSBasicCourse.zip to a new directory. This folder can be located in a place of your choosing on your computer.

This folder (where the Config folder, Delft-FEWS.Ink are located) is referred to often in this course as the Region Home.

### 3.1.3 Unzipping the LocalDataStore directories to the Region Home

The localDataStore.zip file needs to be unzipped in the Region Home (main folder).

Completing this action will give a directory structure of your FEWSBasicConfigCourse that looks like the below image.



## 3.2 Required Files for Raven Model

Within your Region Home, there is a folder named ExtraSoftware.  
vcredist\_x86.exe - Microsoft Visual C++ 2008 Redistributable Setup  
netCDF4.7.2-NC4-64.exe - netCDF 4.7.2 Setup

There are two files to be installed, both of which are required to run the Raven model.

Please run both executable files, and note the following for the NetCDF installation:

You must ensure that the the directory path of the installed NetCDF.dll file is in your PATH environment variable. Documentation for modifying the PATH environmental variable is readily found online for your specific version of windows.

## 3.3 Launch the Delft-FEWS application

To launch the Delft-FEWS application, simply double click on the Delft-FEWS.Ink. The initial start up will take some time, but will be faster the next times.



Once the application has launched, you are ready to begin the course! Feel free to play around, though some further instruction is needed to really get going.

## 4 Working with Total Commander (optional)

Many Deltares staff and FEWS configurators work with Total Commander due to the powerful options for file management compared with Windows Explorer.

We do recommend it, and it can be downloaded for free.

