

Q & A sheet - Delft-FEWS 2023.01 New Features Webinar

Nr	Question	Answer	More information	
1	Is this webinar recorded? And how we can access it later?	Yes, all webinars are recorded and a Q&A sheet is available containing all questions and answers posted during the webinar	After every "New Features" webinar a blog is posted here on our community portal. In the message itself you will find links to the recording, the presentation and the Q&A sheet	Community Portal Blogs
2	How useful is it to run What-If Scenarios in operational mode? And how can we decide which what-if scenario it's best to use an accurate forecast?	<p>You can run what-if scenarios in both Stand Alone (SA) and Operational mode. In SA, you have the capability to run long-term future scenarios, play around with scenario settings, re-do and finetune your scenarios. In operational mode it also enables you e.g. to change the incoming operational data provided by others. In this way, you can add or subtract the amount of precipitation, its timing or location. Together with your colleagues you can jointly assess the quality of the incoming data and decide to run some additional scenarios (or not). Based on the outcomes and assessing/comparing the different scenarios in graphs, maps and tables your joint forecasting skills determine what forecast to publish.</p> <p>In the GUI of Delft-FEWS (Topology) you can distinguish the nodes which contain the operational workflows and which ones contain the what-if scenarios. The icons in the nodes tell you if you are running a scenario or not. In this way, it's always clear what you are doing.</p>	Using the What-if Editor in the IFD	Configuring the What-if Editor
3	If I created a watercoach-on-the-fly exercise, would it be available for other users to use straight away or can you work on developing the script more before publishing/sharing with others?	As demonstrated in the video, the watercoach-on-the-fly consists of several components which enhances the exercise. The basis is the scenario database with the relevant data. The 'script' around it, can be as easy or hard as you would like. Incoming messages (phone calls) or questions which needs to be answered during the exercise need to be thought of in advance but once created, they will then belong to the exercise. The complete exercise will be stored and is available to run at any time for participants who are allowed access to the same IT environment. This can be turned into an individual exercise (1 trainee), multiple individual trainees or even smaller or bigger forecasting teams competing each other. Watercoach exercises can be run multiple times, e.g. to train a new generation of flood forecasters.	Water Coach	
4	I see it is possible to run the WebOC on a different server (running Nginx). Is the main git repository where I can get the latest version of the webOC? Or will the URL be different?	In the video, it was demonstrated how to run the WebOC from your SA application. When deployed as part of the Delft-FEWS distribution (2023.02 and further) the Web OC will indeed end up on a company webserver. The distribution mechanism (and philosophy) of the compiled Web OC and the Open Source components will be shared once the MVP is launched. That includes all relevant documentation, deployment instructions and how to get the latest version(s). For downloading the open source componens, GitHub will be used.	Links for downloading open source code and documentation will be available at the time of the (MVP) release of the Web OC (end of 2023). Please review the webinar video for (SA) instructions and reach out to fews-pm@deltares.nl for the latest (compiled) binaries for testing.	
5	Are there any other options for the Web OC login authentication mechanism apart from MS Azure AD login?	As long as your identity provider is Open ID connect compliant it should work. At Deltares we only tested Azure AD so far, but providers like KeyCloak or Amazon Cognito should work as well.		
6	Will there be the possibility of integrating python and fews in the future?	<p>As part of our Delft-FEWS Roadmap 2023, we identified a theme around Python.</p> <p>A first step towards integration of Python in FEWS has been made in the General Adapter, which is now able to run Python scripts directly using JEP (Java Embedded Python). This means that model adapters or even complete simulation models or other types of modules build in python can be configured to run in a FEWS configuration without the need to include a complete python installation as module dataset. The "Virtual environment" that contains the python packages used by such a python module (i.e. numpy, netcdf4) can be provided as module dataset which will than be executed by Delf-FEWS using the existing installation of python on a windows or linux system. We aim to update the community on this during the International User Days in November this year, preferably with a demo-application which can be shared and used as inspiration. Potential next steps will be the ability to apply python code as part of the existing Delft-FEWS Transformation Module.</p>	Delft-FEWS Roadmap 2023 theme: Python	