

# The F12 menu

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## F12 menu options

In the FEWS Explorer and the TimeSeries Display, a number of options are available under the <F12>. They are meant to be used during debugging or testing and useful functionality might end up in the GUI in a later version. Below are the options available in 2016.01, most of the options are self-explanatory but some additional descriptions of the functionality are included here.

F12 - Choice		What does it do?
1	open most recent current forecast and adjust system time	
2	open most recent forecast and adjust system time	
3	run last created task	Repeat last task run
4	open last forecast for selection	Opens forecast for selection in the data viewer
5	set system time to last available for selection	
6	save temporary time series	
7	ids visible	Shows ids next to location name (filters)
8	names visible	Shows names in location filter
9	descriptions visible	Shows description
A	verbose location tool tips	Extra info in tooltips
B	clear time series memory caches	
C	run workflow test	Allows selection of <a href="#">test workflow xml file</a>
D	restart	
E	release plugin bin dirs	
F	set water coach wall clock time	Opens Water Coach wall clock time dialog
G	select by attributes	Opens the optional attributes panel in the data viewer
H	delete local data store	
I	acknowledge all	Acknowledges all flagged messages in the system monitor
J	open database viewer	<a href="#">Optional display</a> for visualising database records
K	open workflow navigator	<a href="#">Optional display</a> for visualising workflow tree
L	open tabular config files display	Optional display for visualising metadata (use with filters)
M	start embedded vjdbc server	Connect to Delft-FEWS <a href="#">via JDBC</a>
N	terminate local runs	
O	rollback modifier changes	
P	database	database menu (see below)
Q	screen recording	screen recording menu (see below)
R	convert	convert menu (see below)

S	clipboard	clipboard menu (see below)
T	export	export menu (see below)
U	user settings	user settings menu (see below)
V	open most recent running forecast and adjust system time	
W	restart and disable UserSettings	

NB. If option <timeSeriesStatus>remotely updated snapshot</timeSeriesStatus> is enabled in the explorer.xml an additional F12 option appears 'time series status'. This option allows the user to 'load database snapshot' or 'update database snapshot'. These snapshot files are used where the calculation of the status icon is complex or has a long relative view period, thus improving the refresh performance of these icons.

## Database sub-menu options

log database table spaces	Logs to table spaces to the Logs dialog and log.txt
replicate central database	Makes a copy the database. Since 2017.02 the user can make a subselection
cancel replicate action	
show time series disk space statistics	
show connections	Shows current connections to the central database (live system)
log database info	
log time series blob id sequences	
set minimal execution time before logging sql statements	Recommended settings are: 500-1000 or 1200-millis
test all time series blobs for corruptions	
compact datastore index files	
validate index files	
repair and defrag local datastore	Option available in stand alone and synchronising OCs
rolling barrel local data store	Option available in stand alone and synchronising OCs
delete all local manual log entries	Option available in stand alone and synchronising OCs
delete childless task runs and childless single tasks	Option to clean up childless tasks (since 2017.02). Since 2018.02 this is included in the ImportAmalgamate.
delete all what-ifs with deprecated xsd	Since 2022.01. Before migrating to the new what-if templates the old what-ifs should be deleted

## Screen recording sub-menu options

start/resume recording	Starts recording (full screen)
pause recording	
stop recording	

## Convert sub-menu options

*.FI and *.BIN to xml	Used for converting binary files created by Delft-FEWS into text based files
netcdf file curvilinear grid cell center coordinates to csv file	
netcdf file unstructured grid node coordinates to csv file	
netcdf file unstructured grid flowlink coordinates to csv file	

netcdf file unstructured grid cell contours to shape file	
netcdf file quadtree grid flowlink coordinates to csv file	
netcdf file quadtree grid cell contours to shape file	
netcdf file 3Di stations to csv file	
pack dbf files (remove white space)	
convert ascii grid file(s) (*.asc) to coverage tile archive (*.cta)	This creates an efficient 'pyramid of maps' for improved performance displaying large static grids in the explorer and grid displays
convert Sfincs tiles to coverage tile archive (*.cta)	Converts the sfincs tiles to a coverage tile archive (*.cta). Every Sfincs tile is one to one converted to a tile in the cta (zip) file
convert sll to shp	Converts Delft-FEWS specific .sll files into shp files
convert dbf/dbz to csv	

## Clipboard sub-menu options

copy current map scale	
copy current map extent	Useful feature for generating extents which can be used in the explorer.xml
copy selected time series sets	Used in conjunction with a selection in the data viewer
copy selected time series sets as display group	Used in conjunction with a selection in the data viewer
paste selected time series sets as filter	Used in conjunction with a selection in the data viewer
copy grib geometry from file	
encrypt password	Used to obfuscate password for DDA root config file. Storing the passwords in your config is not secure.

## Export sub-menu options

Options	Explanation	Details
default config	Exports current config to disk	
default config as zip	Exports current config to disk in a zip file	
default dbf /dbz as csv files	Exports current dbf/dbz files as comma separated value (csv) files	
location sets as csv files	Exports location sets as comma separated value (csv) files	
parameters as csv files	Exports parameters as comma separated value (csv) files	
qualifiers as csv file	Exports qualifiers as comma separated value (csv) files	

export time series metadata in database as csv file	Exports the identifying info of all time series in the database as csv file	Exports csv file with 1 line for each time series and columns for: all filters it is visible in, module Instance Id, parameter id, parameter name, location id, location name, qualifiers, timeStep, valueType, timeSeriesType, aggregation, domainParameters, cycle, ensemble, ensembleMember. Useful for debugging like detecting if some time series are not visible in a filter.
export all modifiers	Exports all modifiers	
current warm states	Exports all current warm states	
all warm states	Exports all warm states	A complete set of Warm States which can be used as Cold States can be exported. In the Explorer using F12+T, current warm states are exported for the current module runs. T0/system time is ignored. It exports for current module runs and for the current branches. This can give problems when the historical module instance id of the state is also used in another workflow that does not produce states. Code has been changed so it will search in the whole branch till the system time. A folder structure to the exported warm states for both export 'current' warm states and export 'all' warm states. The most recent state in the current branch per module instance is exported. This is the same method as used in the export state activity
irregular grids to esri shape files	Exports all irregular grids to ESRI shp file format	
rating curves	Exports all rating curves	
save current visible map as png file	Exports current visible map extent as png file	
<a href="#">Riemann boundary calculation constants</a>	Calculates the constants needed for the Riemann boundary transformation and exports them to several (csv) attribute files.	On <a href="#">wiki</a> .
save deleted rows as zip file	Exports the deleted rows from the DeletedRows table. Used when examining Foreign Key errors.	
log obsolete modules and explorer plugins	Scans all module config files and all display config files to detect the obsolete configuration	Also the explorerTask's without <displayConfigFileName> are scanned. When any obsolete plugin is detected, the following message is logged :  INFO – <obsolete module> is obsolete and not supported anymore after FewS version <version> <link to the module documentation on the Wiki >

## User settings sub-menu options

delete user settings in database	Deletes the user settings for the current user from the database and restarts FEWS with empty user settings. If an old user_settings.ini file is found, the user is prompted to choose whether this file should also be deleted.
import user settings from file	The user is asked to select a .ini file from which the user settings should be imported. The user settings for the current user are overwritten by the imported user settings and FEWS is restarted using the new settings.
export user settings to file	The contents of the user settings for the current user in the database are written to the specified a .ini file.