

HecDss (export)

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Overview

Export time series data to files in Hydrologic Engineering Center Data Storage System format: <http://www.hec.usace.army.mil/software/hecdss/>

The information about time series is stored as "dss path" in 6 parts:

/<part A>/<part B>/<part C>/<part D>/<part E>/<part F>/

Those parts will be filled as follows:

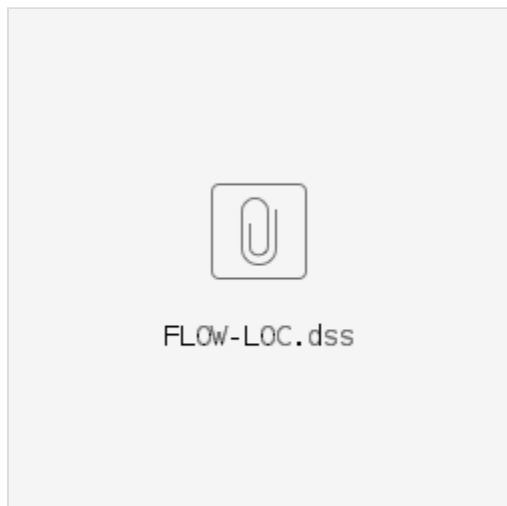
- <part A> will be filled according to externalAttribute "LOCATION_ATTRIBUTE_PART_A" of the location, if not configured part A will remain empty
- <part B> will be location id (HecDss always writes this in capital letters)
- <part C> will be parameter id
- <part D> will be the start date (see [Time Steps and start dates](#))
- <part E> will be the time step (see [Time Steps and start dates](#))
- <part F> will be the first qualifier id

Export type

The export type is *HecDss*.

Example

Here is an example file with dss path //CAMP FAR WEST OUTFLOW/FLOW-LOC/27SEP2010/IR-DAY//



Here is a very simple export configuration example:

```

<?xml version="1.0" encoding="UTF-8"?>
<timeSeriesExportRun xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.wldelft.nl/fews
http://fews.wldelft.nl/schemas/version1.0/timeSeriesExportRun.xsd">
  <export>
    <general>
      <exportType>HecDss</exportType>
      <folder>$EXPORT_FOLDER$</folder>
      <exportFileName>
        <name>output.dss</name>
      </exportFileName>
    </general>
    <exportAttribute internalAttributeId="REGION" externalAttributeId="LOCATION_ATTRIBUTE_PART_A"/>
    <timeSeriesSet>
      <moduleInstanceId>Run_XBeach</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>Flow</parameterId>
      <locationId>FarWest</locationId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <relativeViewPeriod unit="week" start="-1" end="0"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </export>
</timeSeriesExportRun>

```

Time steps and start dates

If the time step is regular equidistant and equal to any of the following:

1MIN, 2MIN, 3MIN, 4MIN, 5MIN, 6 MIN, 10MIN, 12MIN, 15MIN, 20MIN, 30MIN, 1HOUR, 2HOUR, 3HOUR, 4HOUR, 6HOUR, 8HOUR, 12HOUR, 1DAY, 1WEEK

it will be exported as equidistant with the time step in <part E>.

If the time step is different it will be exported as non equidistant with <part E> as any of the following

IR-DAY, IR-MONTH, IR-YEAR, IR-DECADE

The start date in <part D> will then be the exact day like 23MAR1952 (IR-DAY), first day of the month 01MAR1952 (IR-MONTH), first day of the year 01JAN1952 (IR-YEAR), first day of the decade 01JAN1950 (IR-DECADE).