

Source Database .SDB File Format

Version

Source version 4.3.1

Description

The Source Database (SDB) file format is Source's binary file format for storing time series data and associated metadata. SDB files support querying and searching, providing an efficient means of extracting individual time series from large data stores. The SDB supports the metadata listed in the table below. Some of the metadata fields are only relevant if the SDB file has been created from the results of a Source simulation.

Metadata Field	Description	Examples
General Details		
Author	Creator of the SDB file	
Application Source	Name of application that produced the data	<i>Source</i>
Application Version	Version number of application	<i>4.3.1.0000</i>
Scenario Name	eWater Source scenario name	
Project Name	eWater Source project name	
Metadata Version	Version of the SDB file format	<i>0.0.1.0</i>
Time Series Details		
Element Type	Element type	<i>Node</i> <i>Link</i>
Water Feature Type	Feature type	<i>Gauge</i> <i>Storage</i> <i>Straight Through Routing</i>
Site	Feature (node/link) name in Source	<i>Gauge #5</i>
Element Name	The type of attribute recorded for the site	<i>Downstream Flow</i> <i>Constituents</i>
Structure	Attribute recorded for the site	<i>Downstream Flow</i> <i>Constituents@TSS@Downstream Flow Concentration</i>
Start Date	Time series start date	<i>2000-01-01 00:00:00</i>
End Date	Time series end date	<i>2000-12-31 24:00:00</i>
Timestep	Time step	<i>Daily</i>
Units	Data units	<i>cubic metres per second (m³/s)</i>
Date In	Date that the time series was saved to the SDB	<i>2018-01-09 16:54:30</i>

Using the SDB File Format

The SDB file format can be created, queried and imported using the [Results Manager](#).

Note: Unlike most other time series data formats, SDB files cannot be imported via Data Sources,