Command Reference: CreateEnsembleFromOneTimeSeries()

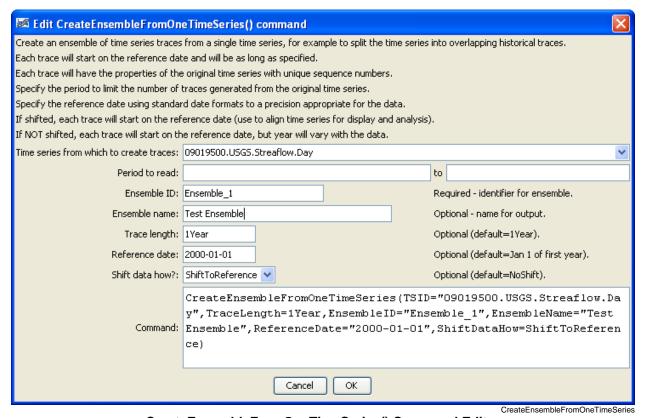
Create a new ensemble from a single time series

/ersion 09.10.01, 2010-11-18

This command was previously named CreateEnsemble().

The CreateEnsembleFromOneTimeSeries() command creates an ensemble by splitting up a single time series into traces. For example, a historical time series can be split into 1-year overlapping traces that are shifted to start in the current year.

The following dialog is used to edit the command and illustrates the syntax for the command.



CreateEnsembleFromOneTimeSeries() Command Editor

The command syntax is as follows:

CreateEnsembleFromOneTimeSeries(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TSID	The time series identifier or alias for the	None – must be specified.
	time series used to create the ensemble.	
InputStart	The date/time to start transferring data	Use all data.
	from the time series.	
InputEnd	The date/time to end transferring data	Use all data.
	from the time series.	
EnsembleID	The new ensemble identifier.	None – must be specified.
EnsembleName	The name for the new ensemble.	Blank.
TraceLength	An interval for the trace length (e.g.,	1Year
	1Year, #Month or, #Day).	
ReferenceDate	The reference date indicates the starting	January 1 of the first year in the
	date for each trace and should be left	source time series.
	blank (resulting in a default of January 1	
	of the current year), or set to January 1 of	
	a year of interest (use the format	
	01/01/YYYY or YYYY-MM-DD). Each	
	trace can optionally be shifted (see	
	ShiftDataHow).	
ShiftDataHow	Indicates whether the traces should be	NoShift
	shifted. Possible values are:	
	• ShiftToReference – each trace	
	will be shifted to the reference date,	
	resulting in overlapping time series.	
	• NoShift – plotting the traces will	
	result in a total line that matches the	
	original time series, except that each	
	trace can be manipulated	
	individually.	

A sample command file to read a time series from the State of Colorado's HydroBase and create an ensemble from the time series is as follows:

09019500 - COLORADO RIVER NEAR GRANBY
09019500.USGS.Streamflow.Day~HydroBase
CreateEnsembleFromOneTimeSeries(TSID="09019500.USGS.Streamflow.Day",
 TraceLength=1Year,EnsembleID="Ensemble_1",EnsembleName="Test
Ensemble",ReferenceDate="2008-01-01",ShiftDataHow=ShiftToReference)