

SDEverywhere Web App Configuration Reference

Revised: 2019-07-24

SDEverywhere uses CSV files to specify the configuration of web apps that it generates. Five types of application objects are given in separate files. The best way to edit these files is with Excel or OpenOffice. Open the file from the Mac Finder or Windows File Explorer to avoid the Excel text import wizard.

- app.csv
- views.csv
- sliders.csv
- graphs.csv
- colors.csv

App

The app.csv file contains application global properties.

Column	Type	Description
title	string	application title
version	string	version number
initialView	string	first level view title > second level view title
trackSliders	boolean	set true to run the model as sliders are moved; set false to wait until the slider is released to run the model
initialTime	number	start time in model runs
startTime	number	start time to show on graphs
endTime	number	final time in model runs
externalDatfiles	string	optional comma-delimited list of Vensim DAT filenames giving external data variables
chartDatfiles	string list	optional comma-delimited list of Vensim DAT filenames with chart data
logo	string	optional filename of an app logo image
helpUrl	string	optional URL of an online help file

Views

Views in the views.csv file are selected on the application menu.

Column	Type	Description
title	string	first and second level view titles separated by " > "
leftGraph	string	name of the left graph for this view
rightGraph	string	name of the right graph for this view
helpUrl	string	URL of a help page for this view
description	string	description of this view

Sliders

The sliders.csv file contains sliders that are included in views by name.

Column	Type	Description
viewTitle	string	first and second level view titles separated by " > "
varName	string	Vensim input variable name
label	string	slider label
sliderMin	number	minimum value of the slider range
sliderMax	number	maximum value of the slider range
sliderDefault	number	initial value of the slider variable
sliderStep	number	slider step interval
units	string	units label
format	string	slider number format
description	string	description of this slider

You may leave the value blank when it is the default value as indicated below.

The default value for slider min is 0.

The slider value will be formatted using the string format specifier used by the [numbro](#) package. The default is "0a".

Graphs

The graphs.csv file properties of a graph that is included in views by name.

Column	Type	Description
title	string	graph title
xAxisMin	number	x axis minimum value

Column	Type	Description
xAxisMax	number	x axis maximum value
xAxisFormat	string	x axis label number format
yAxisMin	number	y axis minimum value
yAxisMax	number	y axis maximum value
yAxisUnits	string	y axis units label
yAxisFormat	string	y axis label number format
plot1Variable	string	Vensim variable name string to plot
plot1Label	string	graph legend
plot1Style	string	graph style
plot1Color	string	color id for the graph line from colors config
plot1Dataset	string	name of the dataset given in chartDatfiles in app config
description	string	description of this graph

You may leave the value blank when it is the default value as indicated below.

The default value for y axis min is 0.

The default value for y axis max is determined by the data range but can be overridden.

The x and y axis formats are format specifiers used by the [numbro](#) package. The default is "0a".

Format string rendering example for the value "1000":

format	rendering
0	1000
0a	1k
'0.0'	1000.0

In Excel, a number format like '0.0' must be quoted to prevent it from being changed to simply '0'.

The plot variable name is a Vensim variable name that may include a numeric subscript.

The plot style value choices are: "line", "thinline", "dotted", and "area". The default is "line".

You may specify up to eight plots in the plot2, plot3, etc. columns.

Colors

The colors.csv file lists hex color codes for graph lines by id number.

Column	Type	Description
colorId	number	integer color id number starting at 1
colorName	string	name of the color
hexCode	string	hex code of the color starting with "#"