

SDEverywhere Web App YAML Format Reference

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The app.yaml file contains two objects: an app object giving global application properties, including sliders; and a views object giving two levels of views, each containing two graphs and a selection of sliders from the app section.

When a key is surrounded by braces, like {this}, replace the key with the indicated kind of string. All other keys are the literal strings given in the table.

In this reference, object and array containment are indicated by indentation. Refer to the app-sample.yaml file in the SDEverywhere notes directory for an guide in YAML syntax.

[YAML cheatsheet](#)

[Number format string reference](#)

Key	Type	Description
app	object	application global properties
title	string	application title
logo	string	optional filename of an app logo image
version	string	version number
datfiles	array	optional map from prefix strings to Vensim DAT filename strings giving external data variables
removalKeys	array	optional strings to search for in equations the preprocessor should remove into the removals.txt file for manual editing
help_url	string	optional URL of an online help file
colors	object	object with hex color codes for graph lines
color_1	string	first graph line color
color_2	string	second graph line color
color_3	string	third graph line color
color_4	string	fourth graph line color
color_5	string	fifth graph line color
initial_view	string	first level view title > second level view title
track_sliders	boolean	set true to run the model as sliders are moved; set false to wait until the slider is released to run the model
sliders	object	slider objects available in all views by name
{variable name}	string	Vensim input variable name
label	string	slider label
units	string	units label
format	string	slider number format

value	number	initial value of the slider variable
min	number	minimum value of the slider range
max	number	maximum value of the slider range
step	number	slider step interval
views	array	first level app menu items
title	string	first level menu title
views	array	view objects under the first level app menu item
title	string	view title
graphs	array	two graph objects, left and right
title	string	graph title
x_axis	object	x axis properties
min	number	x axis minimum value
max	number	x axis maximum value
y_axis	object	y axis properties
units	string	y axis units label
format	string	y axis label number format
min	number	y axis minimum value
max	number	y axis maximum value
plots	array	objects giving details of each line on the graph
name	string	Vensim variable name string to plot
label	string	graph legend
color	string	name of the color for the graph line from app.colors
style	string	graph line style: line, area, or thinline
sliders	array	names of slider for this view from app.sliders