

Interface: IPlugin

IPlugin

Plugin extension hooks.

Since:

- 2.1.0

Methods

afterDatasetDraw(chart, args, options)

Called after the `chart` datasets at the given `args.index` have been drawn (datasets are drawn in the reverse order). Note that this hook will not be called if the datasets drawing has been previously cancelled.

Parameters:

Name	Type	Description												
chart	Chart (Chart.html)	The chart instance.												
args	Object	The call arguments. Properties												
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index	Number	The dataset index.												
meta	Object	The dataset metadata.												
easingValue	Number	The current animation value, between 0.0 and 1.0.												
options	Object	The plugin options.												

afterDatasetsDraw(chart, easingValue, options)

Called after the `chart` datasets have been drawn. Note that this hook will not be called if the datasets drawing has been previously cancelled.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
easingValue	Number	The current animation value, between 0.0 and 1.0.
options	Object	The plugin options.

afterDatasetsUpdate(chart, options)

Called after the `chart` datasets have been updated. Note that this hook will not be called if the datasets update has been previously cancelled.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

Since:

- version 2.1.5

afterDatasetUpdate(chart, args, options)

Called after the `chart` datasets at the given `args.index` has been updated. Note that this hook will not be called if the datasets update has been previously cancelled.

Parameters:

Name	Type	Description									
chart	Chart (Chart.html)	The chart instance.									
args	Object	The call arguments. Properties									
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index	Number	The dataset index.									
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options	Object	The plugin options.									

afterDraw(chart, easingValue, options)

Called after the `chart` has been drawn for the specific easing value. Note that this hook will not be called if the drawing has been previously cancelled.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
easingValue	Number	The current animation value, between 0.0 and 1.0.
options	Object	The plugin options.

afterEvent(chart, event, options)

Called after the `event` has been consumed. Note that this hook will not be called if the `event` has been previously discarded.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
event	IEvent (IEvent.html)	The event object.
options	Object	The plugin options.

afterInit(chart, options)

Called after `chart` has been initialized and before the first update.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

afterLayout(chart, options)

Called after the `chart` has been layed out. Note that this hook will not be called if the layout update has been previously cancelled.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

afterRender(chart, options)

Called after the `chart` has been fully rendered (and animation completed). Note that this hook will not be called if the rendering has been previously cancelled.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

afterTooltipDraw(chart, args, options)

Called after drawing the `tooltip`. Note that this hook will not be called if the tooltip drawing has been previously cancelled.

Parameters:

Name	Type	Description									
chart	Chart (Chart.html)	The chart instance.									
args	Object	The call arguments. Properties									
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tooltip	Object	The tooltip.									
easingValue	Number	The current animation value, between 0.0 and 1.0.									
options	Object	The plugin options.									

afterUpdate(chart, options)

Called after `chart` has been updated and before rendering. Note that this hook will not be called if the chart update has been previously cancelled.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

beforeDatasetDraw(chart, args, options)

Called before drawing the `chart` dataset at the given `args.index` (datasets are drawn in the reverse order). If any plugin returns `false`, the datasets drawing is cancelled until another `render` is triggered.

Parameters:

Name	Type	Description												
chart	Chart (Chart.html)	The chart instance.												
args	Object	The call arguments. Properties												
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index	Number	The dataset index.												
meta	Object	The dataset metadata.												
easingValue	Number	The current animation value, between 0.0 and 1.0.												
options	Object	The plugin options.												

Returns:

`false` to cancel the chart datasets drawing.

Type

Boolean

beforeDatasetsDraw(chart, easingValue, options)

Called before drawing the `chart` datasets. If any plugin returns `false`, the datasets drawing is cancelled until another `render` is triggered.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
easingValue	Number	The current animation value, between 0.0 and 1.0.
options	Object	The plugin options.

Returns:

`false` to cancel the chart datasets drawing.

Type

Boolean

beforeDatasetsUpdate(chart, options)

Called before updating the `chart` datasets. If any plugin returns `false`, the datasets update is cancelled until another `update` is triggered.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

Since:

- version 2.1.5

Returns:

false to cancel the datasets update.

Type

Boolean

beforeDatasetUpdate(chart, args, options)

Called before updating the `chart` dataset at the given `args.index`. If any plugin returns `false`, the datasets update is cancelled until another `update` is triggered.

Parameters:

Name	Type	Description									
chart	Chart (Chart.html)	The chart instance.									
args	Object	The call arguments. Properties									
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Name	Type	Description									
index	Number	The dataset index.									
meta	Object	The dataset metadata.									
options	Object	The plugin options.									

Returns:

`false` to cancel the chart datasets drawing.

Type

Boolean

beforeDraw(chart, easingValue, options)

Called before drawing `chart` at every animation frame specified by the given easing value. If any plugin returns `false`, the frame drawing is cancelled until another `render` is triggered.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
easingValue	Number	The current animation value, between 0.0 and 1.0.

Name	Type	Description
options	Object	The plugin options.

Returns:

`false` to cancel the chart drawing.

Type

Boolean

beforeEvent(chart, event, options)

Called before processing the specified `event`. If any plugin returns `false`, the event will be discarded.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
event	IEvent (IEvent.html)	The event object.
options	Object	The plugin options.

beforeInit(chart, options)

Called before initializing `chart`.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

beforeLayout(chart, options)

Called before laying out `chart`. If any plugin returns `false`, the layout update is cancelled until another `update` is triggered.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

Returns:

`false` to cancel the chart layout.

Type

Boolean

beforeRender(chart, options)

Called before rendering `chart`. If any plugin returns `false`, the rendering is cancelled until another `render` is triggered.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

Returns:

`false` to cancel the chart rendering.

Type

Boolean

beforeTooltipDraw(chart, args, options)

Called before drawing the `tooltip`. If any plugin returns `false`, the tooltip drawing is cancelled until another `render` is triggered.

Parameters:

Name	Type	Description									
chart	Chart (Chart.html)	The chart instance.									
args	Object	The call arguments. Properties									
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Name	Type	Description									
tooltip	Object	The tooltip.									
easingValue	Number	The current animation value, between 0.0 and 1.0.									
options	Object	The plugin options.									

Returns:

`false` to cancel the chart tooltip drawing.

Type

Boolean

beforeUpdate(chart, options)

Called before updating `chart`. If any plugin returns `false`, the update is cancelled (and thus subsequent render(s)) until another `update` is triggered.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

Returns:

`false` to cancel the chart update.

Type

Boolean

destroy(chart, options)

Called after the chart as been destroyed.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
options	Object	The plugin options.

resize(chart, size, options)

Called after the chart as been resized.

Parameters:

Name	Type	Description
chart	Chart.Controller	The chart instance.
size	Number	The new canvas display size (eq. canvas.style width & height).
options	Object	The plugin options.