 [Chart.js](http://docs.google.com/docs/3.9.1/)

[Home](http://docs.google.com/docs/3.9.1/)

[API](http://docs.google.com/docs/3.9.1/api/)

[Samples](http://docs.google.com/docs/3.9.1/samples/)

Ecosystem Ecosystem

* [Awesome (opens new window)](https://github.com/chartjs/awesome)
* [Slack (opens new window)](https://chartjs-slack.herokuapp.com/)
* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

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[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

* API
  + [Exports](http://docs.google.com/docs/3.9.1/api/)
  + Enumerations
  + Classes
  + Interfaces
    - [ActiveDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveDataPoint.html)
    - [ActiveElement](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveElement.html)
    - [AnimationEvent](http://docs.google.com/docs/3.9.1/api/interfaces/AnimationEvent.html)
    - [ArcBorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/ArcBorderRadius.html)
    - [ArcElement](http://docs.google.com/docs/3.9.1/api/interfaces/ArcElement.html)
    - [ArcHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcHoverOptions.html)
    - [ArcOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcOptions.html)
    - [ArcProps](http://docs.google.com/docs/3.9.1/api/interfaces/ArcProps.html)
    - [BarControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerChartOptions.html)
    - [BarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerDatasetOptions.html)
    - [BarElement](http://docs.google.com/docs/3.9.1/api/interfaces/BarElement.html)
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    - [BarOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarOptions.html)
    - [BarProps](http://docs.google.com/docs/3.9.1/api/interfaces/BarProps.html)
    - [BorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/BorderRadius.html)
    - [BubbleControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleControllerDatasetOptions.html)
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    - [CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html)
    - [CartesianScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleTypeRegistry.html)
    - [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)
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    - [ChartData](http://docs.google.com/docs/3.9.1/api/interfaces/ChartData.html)
    - [ChartDataCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDataCustomTypesPerDataset.html)
    - [ChartDatasetProperties](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetProperties.html)
    - [ChartDatasetPropertiesCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetPropertiesCustomTypesPerDataset.html)
    - [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)
    - [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)
    - [CommonElementOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonElementOptions.html)
    - [CommonHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonHoverOptions.html)
    - [ComplexFillTarget](http://docs.google.com/docs/3.9.1/api/interfaces/ComplexFillTarget.html)
    - [ControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ControllerDatasetOptions.html)
    - [CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html)
    - [CoreInteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreInteractionOptions.html)
    - [CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)
    - [DatasetControllerChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/DatasetControllerChartComponent.html)
    - [DateAdapter](http://docs.google.com/docs/3.9.1/api/interfaces/DateAdapter.html)
    - [Defaults](http://docs.google.com/docs/3.9.1/api/interfaces/Defaults.html)
    - [DoughnutAnimationOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutAnimationOptions.html)
    - [DoughnutController](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutController.html)
    - [DoughnutControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerChartOptions.html)
    - [DoughnutControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerDatasetOptions.html)
    - [DoughnutMetaExtensions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutMetaExtensions.html)
    - [Element](http://docs.google.com/docs/3.9.1/api/interfaces/Element.html)
    - [ElementOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/ElementOptionsByType.html)
    - [ExtendedPlugin](http://docs.google.com/docs/3.9.1/api/interfaces/ExtendedPlugin.html)
    - [FillerControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerControllerDatasetOptions.html)
    - [FillerOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerOptions.html)
    - [FontSpec](http://docs.google.com/docs/3.9.1/api/interfaces/FontSpec.html)
    - [GridLineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/GridLineOptions.html)
    - [InteractionItem](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionItem.html)
    - [InteractionModeMap](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionModeMap.html)
    - [InteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionOptions.html)
    - [LayoutItem](http://docs.google.com/docs/3.9.1/api/interfaces/LayoutItem.html)
    - [LegendElement](http://docs.google.com/docs/3.9.1/api/interfaces/LegendElement.html)
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    - [LineControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerChartOptions.html)
    - [LineControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerDatasetOptions.html)
    - [LineElement](http://docs.google.com/docs/3.9.1/api/interfaces/LineElement.html)
    - [LineHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineHoverOptions.html)
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    - [Plugin](http://docs.google.com/docs/3.9.1/api/interfaces/Plugin.html)
    - [PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html)
    - [PluginOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/PluginOptionsByType.html)
    - [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)
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    - [PointPrefixedHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedHoverOptions.html)
    - [PointPrefixedOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedOptions.html)
    - [PointProps](http://docs.google.com/docs/3.9.1/api/interfaces/PointProps.html)
    - [PolarAreaController](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaController.html)
    - [PolarAreaControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerChartOptions.html)
    - [PolarAreaControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerDatasetOptions.html)
    - [RadarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/RadarControllerDatasetOptions.html)
    - [RadialLinearScale](http://docs.google.com/docs/3.9.1/api/interfaces/RadialLinearScale.html)
    - [RadialScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/RadialScaleTypeRegistry.html)
    - [Registry](http://docs.google.com/docs/3.9.1/api/interfaces/Registry.html)
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    - [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html)
    - [ScriptableCartesianScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableCartesianScaleContext.html)
    - [ScriptableChartContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableChartContext.html)
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    - [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)
    - [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)
    - [ScriptableTooltipContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableTooltipContext.html)
    - [Segment](http://docs.google.com/docs/3.9.1/api/interfaces/Segment.html)
    - [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)
    - [TickOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TickOptions.html)
    - [TimeScale](http://docs.google.com/docs/3.9.1/api/interfaces/TimeScale.html)
    - [TitleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TitleOptions.html)
    - [Tooltip](http://docs.google.com/docs/3.9.1/api/interfaces/Tooltip.html)
    - [TooltipCallbacks](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipCallbacks.html)
    - [TooltipItem](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipItem.html)
    - [TooltipLabelStyle](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipLabelStyle.html)
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    - [TooltipPosition](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPosition.html)
    - [TooltipPositionerMap](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPositionerMap.html)
    - [TypedRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/TypedRegistry.html)
    - [VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html)

[**#**](#gjdgxs) Interface: DateAdapter

## [**#**](#30j0zll) Properties

### [**#**](#1fob9te) options

• Readonly **options**: unknown

#### [**#**](#3znysh7) Defined in

[adapters.d.ts:8 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L8)

## [**#**](#2et92p0) Methods

### [**#**](#tyjcwt) add

▸ **add**(timestamp, amount, unit): number

Adds the specified amount of unit to the given timestamp.

#### [**#**](#3dy6vkm) Parameters

| Name | Type | Description |
| --- | --- | --- |
| timestamp | number | the input timestamp |
| amount | number | the amount to add |
| unit | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) | the unit as string |

#### [**#**](#1t3h5sf) Returns

number

#### [**#**](#4d34og8) Defined in

[adapters.d.ts:41 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L41)

### [**#**](#2s8eyo1) diff

▸ **diff**(a, b, unit): number

Returns the number of unit between the given timestamps.

#### [**#**](#17dp8vu) Parameters

| Name | Type | Description |
| --- | --- | --- |
| a | number | the input timestamp (reference) |
| b | number | the timestamp to subtract |
| unit | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) | the unit as string |

#### [**#**](#3rdcrjn) Returns

number

#### [**#**](#26in1rg) Defined in

[adapters.d.ts:49 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L49)

### [**#**](#lnxbz9) endOf

▸ **endOf**(timestamp, unit): number

Returns end of unit for the given timestamp.

#### [**#**](#35nkun2) Parameters

| Name | Type | Description |
| --- | --- | --- |
| timestamp | number | the input timestamp |
| unit | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) | "isoWeek" | the unit as string |

#### [**#**](#1ksv4uv) Returns

number

#### [**#**](#44sinio) Defined in

[adapters.d.ts:65 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L65)

### [**#**](#2jxsxqh) format

▸ **format**(timestamp, format): string

Returns the formatted date in the specified format for a given timestamp.

#### [**#**](#z337ya) Parameters

| Name | Type | Description |
| --- | --- | --- |
| timestamp | number | the timestamp to format |
| format | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) | the date/time token |

#### [**#**](#3j2qqm3) Returns

string

#### [**#**](#1y810tw) Defined in

[adapters.d.ts:33 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L33)

### [**#**](#4i7ojhp) formats

▸ **formats**(): Object

Returns a map of time formats for the supported formatting units defined in Unit as well as 'datetime' representing a detailed date/time string.

#### [**#**](#2xcytpi) Returns

Object

#### [**#**](#1ci93xb) Defined in

[adapters.d.ts:20 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L20)

### [**#**](#3whwml4) init

▸ **init**(chartOptions): void

Will called with chart options after adapter creation.

#### [**#**](#2bn6wsx) Parameters

| Name | Type |
| --- | --- |
| chartOptions | \_DeepPartialObject<[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> & [ElementChartOptions](http://docs.google.com/docs/3.9.1/api/#elementchartoptions)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> & [PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> & [DatasetChartOptions](http://docs.google.com/docs/3.9.1/api/#datasetchartoptions)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> & [ScaleChartOptions](http://docs.google.com/docs/3.9.1/api/#scalechartoptions)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>> |

#### [**#**](#qsh70q) Returns

void

#### [**#**](#3as4poj) Defined in

[adapters.d.ts:14 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L14)

### [**#**](#1pxezwc) override

▸ **override**(members): void

#### [**#**](#49x2ik5) Parameters

| Name | Type |
| --- | --- |
| members | Partial<[DateAdapter](http://docs.google.com/docs/3.9.1/api/interfaces/DateAdapter.html)> |

#### [**#**](#2p2csry) Returns

void

#### [**#**](#147n2zr) Defined in

[adapters.d.ts:7 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L7)

### [**#**](#3o7alnk) parse

▸ **parse**(value, format?): number

Parses the given value and return the associated timestamp.

#### [**#**](#23ckvvd) Parameters

| Name | Type | Description |
| --- | --- | --- |
| value | unknown | the value to parse (usually comes from the data) |
| format? | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) | - |

#### [**#**](#ihv636) Returns

number

#### [**#**](#32hioqz) Defined in

[adapters.d.ts:26 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L26)

### [**#**](#1hmsyys) startOf

▸ **startOf**(timestamp, unit, weekday?): number

Returns start of unit for the given timestamp.

#### [**#**](#41mghml) Parameters

| Name | Type | Description |
| --- | --- | --- |
| timestamp | number | the input timestamp |
| unit | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) | "isoWeek" | the unit as string |
| weekday? | number | - |

#### [**#**](#2grqrue) Returns

number

#### [**#**](#vx1227) Defined in

[adapters.d.ts:58 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/adapters.d.ts#L58)

←  [DatasetControllerChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/DatasetControllerChartComponent.html)   [Defaults](http://docs.google.com/docs/3.9.1/api/interfaces/Defaults.html)  →