 [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
    - [Animation](http://docs.google.com/docs/3.9.1/api/classes/Animation.html)
    - [Animations](http://docs.google.com/docs/3.9.1/api/classes/Animations.html)
    - [Animator](http://docs.google.com/docs/3.9.1/api/classes/Animator.html)
    - [BasePlatform](http://docs.google.com/docs/3.9.1/api/classes/BasePlatform.html)
    - [BasicPlatform](http://docs.google.com/docs/3.9.1/api/classes/BasicPlatform.html)
    - [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)
    - [DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html)
    - [DomPlatform](http://docs.google.com/docs/3.9.1/api/classes/DomPlatform.html)
    - [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)
  + Interfaces

[**#**](#gjdgxs) Class: BasePlatform

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

* **BasePlatform**  
  ↳ [BasicPlatform](http://docs.google.com/docs/3.9.1/api/classes/BasicPlatform.html)  
  ↳ [DomPlatform](http://docs.google.com/docs/3.9.1/api/classes/DomPlatform.html)

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

### [**#**](#3znysh7) constructor

• **new BasePlatform**()

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

### [**#**](#tyjcwt) acquireContext

▸ **acquireContext**(canvas, options?): CanvasRenderingContext2D

Called at chart construction time, returns a context2d instance implementing the [W3C Canvas 2D Context API standard (opens new window)](https://www.w3.org/TR/2dcontext/).

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

| Name | Type | Description |
| --- | --- | --- |
| canvas | HTMLCanvasElement | The canvas from which to acquire context (platform specific) |
| options? | CanvasRenderingContext2DSettings | The chart options |

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

CanvasRenderingContext2D

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

[index.esm.d.ts:2057 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2057)

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

▸ **addEventListener**(chart, type, listener): void

Registers the specified listener on the given chart.

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

| Name | Type | Description |
| --- | --- | --- |
| chart | [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> | Chart from which to listen for event |
| type | string | The ([ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)) type to listen for |
| listener | (e: [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)) => void | Receives a notification (an object that implements the [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html) interface) when an event of the specified type occurs. |

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

void

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

[index.esm.d.ts:2075 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2075)

### [**#**](#lnxbz9) getDevicePixelRatio

▸ **getDevicePixelRatio**(): number

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

number

the current devicePixelRatio of the device this platform is connected to.

#### [**#**](#1ksv4uv) Defined in

[index.esm.d.ts:2086 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2086)

### [**#**](#44sinio) getMaximumSize

▸ **getMaximumSize**(canvas, width?, height?, aspectRatio?): Object

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

| Name | Type | Description |
| --- | --- | --- |
| canvas | HTMLCanvasElement | The canvas for which to calculate the maximum size |
| width? | number | - |
| height? | number | - |
| aspectRatio? | number | - |

#### [**#**](#z337ya) Returns

Object

the maximum size available.

| Name | Type |
| --- | --- |
| height | number |
| width | number |

#### [**#**](#3j2qqm3) Defined in

[index.esm.d.ts:2094 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2094)

### [**#**](#1y810tw) isAttached

▸ **isAttached**(canvas): boolean

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

| Name | Type |
| --- | --- |
| canvas | HTMLCanvasElement |

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

boolean

true if the canvas is attached to the platform, false if not.

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

[index.esm.d.ts:2099 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2099)

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

▸ **releaseContext**(context): boolean

Called at chart destruction time, releases any resources associated to the context previously returned by the acquireContext() method.

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

| Name | Type | Description |
| --- | --- | --- |
| context | CanvasRenderingContext2D | The context2d instance |

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

boolean

true if the method succeeded, else false

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

[index.esm.d.ts:2067 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2067)

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

▸ **removeEventListener**(chart, type, listener): void

Removes the specified listener previously registered with addEventListener.

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

| Name | Type | Description |
| --- | --- | --- |
| chart | [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> | Chart from which to remove the listener |
| type | string | The ([ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)) type to remove |
| listener | (e: [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)) => void | The listener function to remove from the event target. |

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

void

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

[index.esm.d.ts:2082 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2082)

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

▸ **updateConfig**(config): void

Updates config with platform specific requirements

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

| Name | Type |
| --- | --- |
| config | [ChartConfiguration](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfiguration.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> | [ChartConfigurationCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfigurationCustomTypesPerDataset.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> |

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

void

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

[index.esm.d.ts:2104 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2104)

←  [Animator](http://docs.google.com/docs/3.9.1/api/classes/Animator.html)   [BasicPlatform](http://docs.google.com/docs/3.9.1/api/classes/BasicPlatform.html)  →