

Inbox postmessage API 1.3

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1 Postmessage library

Inbox postmessage API uses postmessage.js library. It can be downloaded from GitHub (<https://github.com/daepark/postmessage>).

2 Postmessage API

2.1 Request messages

2.1.1 enableScroll

If your site uses infinite scrolling or any similar technique based on scroll change events you must enable scroll events support. When scroll is enabled, parent page will send **scrollChanged** message on every scroll change.

To enable, add following code:

```
$.pm({
  target: window.parent,
  type: "enableScroll",
  data: {
    delay: 500
  }
});
```

This message has one parameter *delay*, it determines how often **scrollChanged** message is sent back.

2.1.2 autoheight

This message should be sent to parent to set correct iframe height.

Example:

```
$.pm({
  target: window.parent,
  type: "autoheight",
  data: 100
});
```

Data parameter should contain correct height in pixels for iframe to be set. It is passed to jQuery height function so it can be either integer (example: 100) or string with number and meausere unit (example: '100px').

2.1.3 getWindowHeight

To get parent window height, send **getWindowHeight** message. In return parent side will send **getWindowHeight** message with height.

Example:

```
// send postmessage
$.pm({ target: window.parent,
  type: "getWindowHeight"
});

// receive postmessage
$.pm.bind("getWindowHeight", function(data) {
  console.log(data.windowHeight);
});
```

2.1.4 setIframeLocation

This postmessage must be sent on every page load. It changes browser address bar for parent window.

```
$(window).bind('load', function(){
    $.pm({
        target: window.parent,
        type: "setIframeLocation",
        data: {
            title: document.title,
            location: window.location
        }
    })
});
```

2.2 Response messages

2.2.1 scrollChanged

If scroll is enabled with **enableScroll** message, framed site will receive **scrollChanged** message on parent scroll change.

Listener example:

```
$.pm.bind("scrollChanged", function(data) {
    console.log(data.scrollTop);
});
```

Received object contains only one property *scrollTop* which contains scroll from page top in pixels.

2.2.2 getWindowHeight

This message is sent in response to **getWindowHeight** message

```
$.pm.bind("getWindowHeight", function(data) {
    console.log(data.windowHeight);
});
```

Data object contains only one property *windowHeight* with parent window height in pixels.

3 Upgrading from 1.2 to 1.3

3.1 Update library

Version 1.3 uses newer postmessage.js library. New library must be used for 1.3 version and old library can be removed. Library can be found here: <https://github.com/daepark/postmessage>

3.2 Change postmessages

Here will be listed possible usages of old methods and how these can be updated to work with version 1.3.

```
// version 1.2
$.setIframeSize({
  initScroll: true,
  delayScroll: 500
})

// version 1.3
$.pm({
  target: window.parent,
  type: "enableScroll",
  data: {
    delay: 500
  }
});
```

```
// version 1.2
$.setIframeSize({
  height: $(document).height()
})

// version 1.3
$.pm({
  target: window.parent,
  type: "autoheight",
  data: $(document).height()
});
```

3.3 Add required postmessages

Version 1.3 requires **setIframeLocation** postmessage to be sent on every page load.