

FlockML

- Introduction
- Elements
 - flockml
 - a
 - em
 - i
 - strong
 - b
 - u
 - br
 - user
 - action

Introduction

FlockML is an XML based markup language used to show rich text [messages](#) and [attachments](#) in Flock.

FlockML Example

```
<flockml>Hello <strong>foobar</strong>, Welcome to <a href="https://flock.co/">Flock!</a></flockml>
```

Its salient features are:

- Renders natively on both desktop and mobile
- Inspired by HTML, so you will be familiar with many FlockML's elements already
- Elements for actions specific to Flock, like linking to a user or triggering actions like opening a widget

Elements

flockml

The root element for FlockML. Any FlockML document that doesn't have **<flockml>** as its root is considered invalid.

Example

```
<flockml>Hello World</flockml>
```

a

The anchor element **<a>** defines a hyperlink. Clicking on this opens a URL in the browser.

Example

```
<a href="">Hello World</a>
```

Rendered

Hello World

Attributes

| Name | Required | Description |
|------|----------|--------------------|
| href | Yes | The URL to link to |

em

The emphasis element `` is used to emphasise text and is typically italicized.

| Example | Rendered |
|---|--------------------|
| <code>Hello World</code> | <i>Hello World</i> |

i

The italics element `<i>` is used to italicize text.

| Example | Rendered |
|---|--------------------|
| <code><i>Hello World</i></code> | <i>Hello World</i> |

strong

The strong element `` gives text strong importance, and is typically displayed in bold.

| Example | Rendered |
|---|--------------------|
| <code>Hello World</code> | Hello World |

b

The bold element `` is used to display text in bold.

| Example | Rendered |
|---|--------------------|
| <code>Hello World</code> | Hello World |

u

The underline element `<u>` renders text with an underline.

| Example | Rendered |
|---|--------------------|
| <code><u>Hello World</u></code> | <u>Hello World</u> |

br

The line break element `
` produces a line break in text (carriage-return).

| Example | Rendered |
|------------------------------------|----------------|
| <code>Hello World</code> | Hello World |

user

This element can be used to link to a Flock user.

| Example | Rendered |
|---------|----------|
|---------|----------|

| | |
|--|------------------------------------|
| <code><user userId="u:guid">FirstName LastName</user></code> | FirstName LastName |
|--|------------------------------------|

Attributes

| Name | Required | Description |
|--------|----------|---|
| userId | Yes | Should be a user identifier . |

- If the Flock client knows the user's name, it will ignore any text content inside. Otherwise, it will display the text content if present.
- If the Flock client doesn't know the user's name, and no text content is provided, it will display "Unknown User".

action

The `action` element allows an app to trigger a [client action](#). The associated event is [client.flockmlAction](#).

Example

```
click <action id="act1" type="openWidget" url="<url>" desktopType="sidebar" mobileType="modal">here</action> to launch a widget.
```

Attributes

| Name | Required | Description |
|------|----------|--|
| type | Yes | The type of action to trigger. Should be one of: <ul style="list-style-type: none"> • <code>openWidget</code> • <code>openBrowser</code> • <code>sendEvent</code> |
| id | No | An identifier for the action. It is included in the payload for client.flockmlAction as the <code>actionId</code> attribute. |

If `type` is `openWidget`, the following attributes should also be provided:

| Name | Required | Description |
|-------------|----------|---|
| url | Yes | The widget URL |
| desktopType | Yes | The type of widget in desktop. Should be either <code>modal</code> or <code>sidebar</code> . Defaults to <code>modal</code> . |
| mobileType | Yes | The type of widget in mobile. If provided, it should be set to <code>modal</code> . |

If `type` is `openBrowser`, the following attributes should be provided:

| Name | Required | Description |
|-------------|----------|---|
| url | Yes | The URL to open |
| sendContext | No | Whether to send context to the URL or not. Should be either <code>true</code> or <code>false</code> . Default value is <code>false</code> . |

If `type` is `sendEvent`, no other attribute needs to be provided.