Search...

Getting started
Components

M4Q
About
Population
Constructor
Ajax
Animation
Loops
Visibility
Effects
Subtree functions
Attributes
Html, text and value
Css and classes
Position and size
Manipulation
DataSet
Events
Utils

Base
Containers
Grid system
Typography
Tables
Forms
Buttons
Images
Figures
Lists

Form components
Checkbox
File input
Input
Input material
Keypad
Rating
Radio
Select
Slider
Double Slider
Spinner
Switch
Tag input
Textarea

Menus
App bar
Bottom navigation
Bottom sheet
Menu
Ribbon Menu
Side bar
Side navigation

Controls
Accordion
Badge
Carousel
Cards
Cube
Counter
Charms
Chat
Donut
Image compare
Image magnifier
Gravatar
List
ListView
Master
NavView
Panels
Progress & Activity
Streamer
Stepper
Splitter
Tabs
Tabs material
Table
Tiles
TreeView
Wizard

Information
Dialogs
Info box
Hints
Notify system
Popovers
Toasts
Windows

Date & time
Calendar
Calendar picker
Date picker
Time picker
Countdown
Formatting date

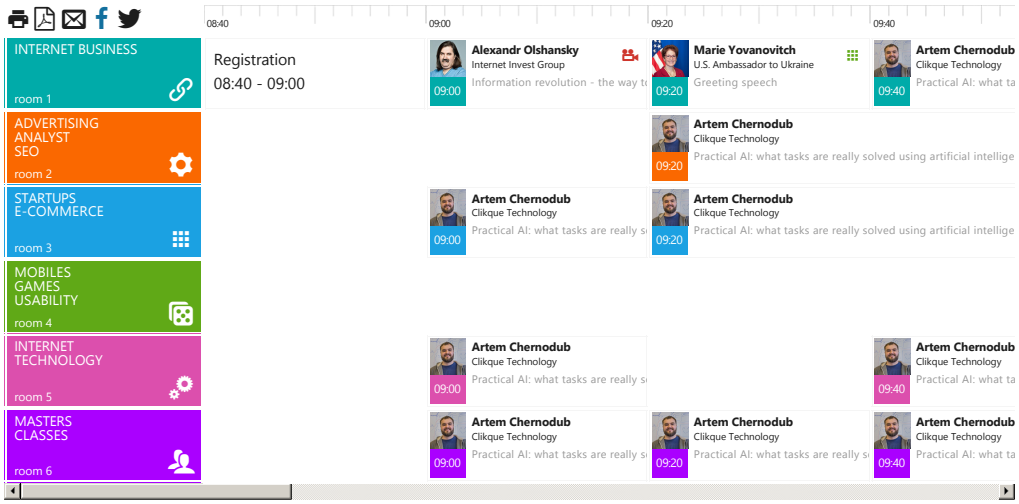
Media

Streamer

Create an event program with the streamer component. Metro 4 contains css classes and plugin to create streamer component.

About

Streamer is a complex element for creating an event program. The component includes a special HTML structure, styles, and a javascript code to interact with this structure.



Create streamer

To create streamer you must execute three steps: add container with `data-role="streamer"` attribute, then define other options over `data-*` attributes and define streamer data with `data-source` or `data-data` attributes. Also you must define `id` attribute for your streamer.

```
<div id="streamer"
     data-role="streamer"
     data-source="data/streamer_data.json"
     data-start-from="09:00"
     data-slide-to-start="false">
</div>
```

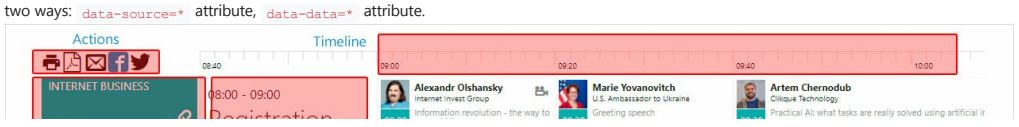
Options

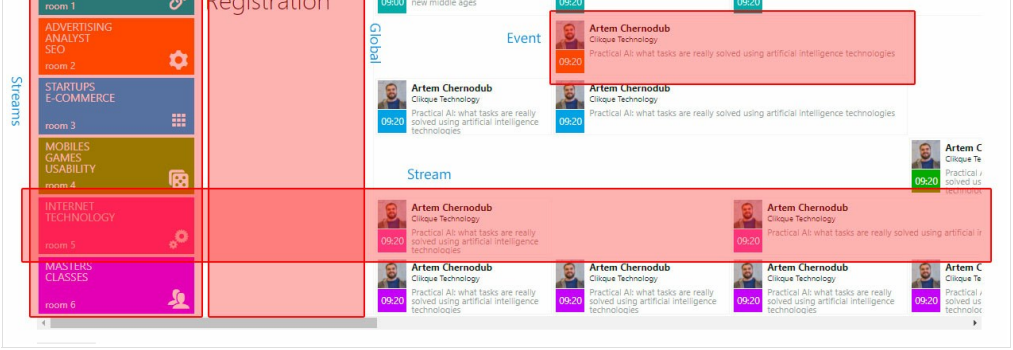
The streamer contains a number of options for defining behavior:

Option	Data-*	Default	Desc
defaultClosedIcon	data-default-closed-icon		Default icon for closed event
defaultOpenIcon	data-default-open-icon		Default icon for open event
changeUri	data-change-uri	true	If true, browser url will be changed when event selected
encodeLink	data-encode-link	true	If true, streamer link will be encoded with Base64
closed	data-closed	false	Streamer is closed. Event are not can be selected
startFrom	data-start-from	null	Streamer can be slided to this time pint after create
slideToStart	data-slide-to-start	false	If true, Streamer will be slided to time pint defined in startFrom options after create
startSlideSleep	data-start-slide-sleep	1000	Timeout before sliding to start time point
source	data-source		Link to stream data
data	data-data		Object with stream data
eventClick	data-event-click	select	Behavior when clicking on a event. This value can be `select` or `click`
streamSelect	data-stream-select	false	If true, user can be select one stream on click them and disable others.
onStreamerCreate	data-on-streamer-create	Metro.noop	Callback
onStreamClick	data-on-stream-click	Metro.noop	Callback
onStreamSelect	data-on-stream-select	Metro.noop	Callback
onEventClick	data-on-event-click	Metro.noop	Callback
onEventSelect	data-on-event-select	Metro.noop	Callback

Streamer data

An important parameter of the streamer is the parameter that determines the data for the streamer. Data for the `streamer` can be determined in two ways: `data-source=*` attribute, `data-data=*` attribute.





Data for a streamer is an object of a certain format. This is a link to demo data. This object contains four main section:

- **actions** - user defined actions
- **timeline** - timeline definition
- **streams** - streams definition
- **global** - additions events

```
{
    actions: {...}
    timeline: {...}
    streams: {...}
    global: {...}
}
```

Actions

User define action showing in top left corner of streamer and hide when streamer collapsed (default). For details see streamer responsive feature. Each action is described by three parameters: `html` - html value for action, `cls` - additional classes for action, `onclick` - click event for action (rules for defining events in Metro 4).

```
{
    actions: [
        {
            html: "<span class='mif-print'></span>",
            cls: "fg-red",
            onclick: "alert('Printed!!!')"
        }
    ]
}
```

Timeline

To define `timeline` you can use same name section. This section contains three parameters: `start` - begin time, `stop` - end time, `step` - step in minutes.

```
{
    timeline: {
        start: "09:00",
        stop: "18:00",
        step: 20
    }
}
```

Streams

Streams are defined in `streams` section. Each `stream` is described with next parameters: `title`, `secondary`, `icon`, `cls`, `data`, `events`.

```
{
    streams: [
        {
            title: "Internet business",
            secondary: "room 1",
            icon: "",
            cls: "bg-teal fg-white",
            data: "any data, stored to stream object",
            events: [...]
        }
    ]
}
```

Events

Each stream can be contains events. Events is described with next parameters: `icon`, `time`, `title`, `subtitle`, `desc`, `size`, `selected`, `closed`, `closedIcon`, `openIcon`, `clsClosedIcon`, `clsOpenIcon`, `data`, `cls`, `target`, `row`, `html`.

```
{
    events: [
        {
            icon: "images/olshanskysmall.jpg",
            time: "09:00",
            title: "Alexandr Olshansky",
            subtitle: "Internet Invest Group",
            desc: "Information revolution - the way to new middle ages",
            size: 1,
            selected: 0,
            closed: true,
            data: {},
            closedIcon: "<span class='mif-video-camera'></span>",
            openIcon: "<span class='mif-apps'></span>",
            target: "https://2017.iforum.ua/reporter/?id=99#video-365",
            cls: ""
        }
```

```
    ]
}
```

Param	Desc
icon	html tag for event icon
time	Event time point
title	Event title
subtitle	Event subtitle
desc	Event short description
size	Event size. Can be from 1 to 10
row	Nested row from 1 to ...
shift	Event shift (shift the event to the right of the previous one). Can be from 1 to 10
selected	Event mark as selected. Can be 1 or 0
closed	Event mark as close. Can be 1 or 0
closedIcon	If event is closed, this icon showing on top right corner
openIcon	If event is open, this icon showing on top right corner
target	If event is closed, this param contains target. When user click on closed event browser switched to this target.
data	Any data, can be stored to event
cls	Additional class for event
clsClosedIcon	Additional class for closed event icon
clsOpenIcon	Additional class for open event icon
html	Create event with custom html

Additions Events

Before and after main events you can define additional global events. To define global event use section `global`. Each event in global stream must be described with six parameters: `time`, `size`, `cls`, `title`, `subtitle`, `html`.

```
{
    global: {
        before: [
            {
                time: "08:40",
                size: 1,
                cls: 0,
                title: "Registration",
                subtitle: "08:40 - 09:00",
                html: "Any valid html code",
            }
        ],
        after: [
            {
                time: "12:00",
                size: 2,
                cls: "p-2",
                title: "Closing ceremony"
            },
            {
                time: "12:40",
                size: 2,
                cls: "p-2",
                title: "Banquet"
            }
        ]
    }
}
```

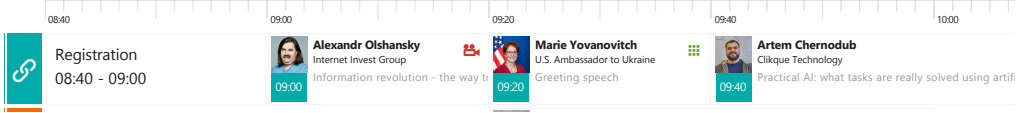
Methods

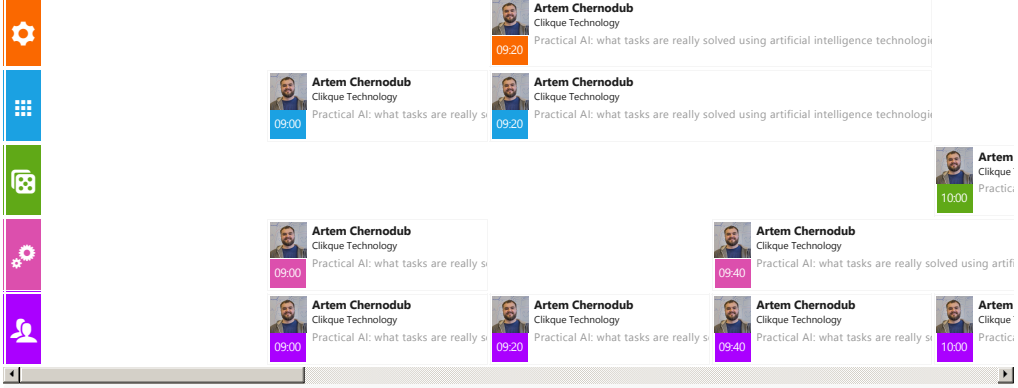
Streamer contains the numbers of usefulness methods:

- `getLink()` - return link to same streamer with pre-selected events
- `getTimes()` - return array with time points
- `getEvents(type, include_global)` - return array with events. Type can be: selected, non-selected or all (default)
- `slideTo(time)` - slide streamer to required time, time must be string in format HH:MI
- `enableStream(stream)` - enable stream after it can be disabled
- `disableStream(stream)` - disable stream
- `toggleStream(stream)` - toggle stream state
- `source(src)` - change streamer source and redraw
- `data(src)` - change streamer data and redraw
- `source()` - get streamer source
- `data()` - get streamer data
- `getStreamerData()` - get streamer internal data

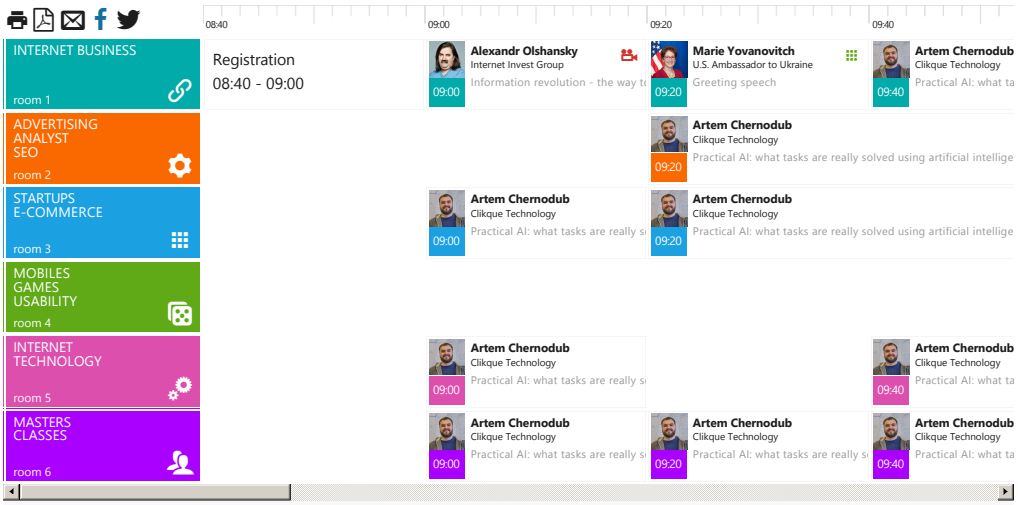
Responsive

On default, streamer showing in collapsed mode:






```
<div data-role="streamer"
    data-source="data/streamer_data3.json"
    data-start-from="09:00"></div>
```




```
<div class="streamer-expand-sm"
    data-role="streamer"
    data-source="data/streamer_data3.json"
    data-start-from="09:00"></div>
```

To expand streams markers, add one of classes: `.streamer-expand`, `.streamer-expand-sm`, `.streamer-expand-md`, `.streamer-expand-lg`, `.streamer-expand-xl`, `.streamer-expand-xxl`. See media breakpoints.

Observe

You can change attributes `data-source`, `data-data`, `data-stream-select` at runtime and streamer will be updated.