MMISP Frontend Documentation

Design Phase

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1. Intro

The project "Modern MISP Frontend" is implemented as a client-side rendered SvelteKit application.

SvelteKit applications are constructed out of Components. They are svelte files found in the src directory of this project. See here for general documentation about Svelte Components.

All routes of the application are represented by specific Components called Pages. They are the files called +page.svelte in the src/routes directory of this project. See here for general documentation about SvelteKit Pages.

Pages "inherit" from specific Components called Layouts placed higher up in the route tree by automatically being placed into the Layout's default slot. They are the files called +layout.svelte in the src/routes directory of this project. See here for general documentation about SvelteKit Layouts.

Note that the inter-component dependencies and the specifics of exposed props, slots and events may not fully represent the final state of the application, as agreed upon with our supervisors.

2. Design Overview

The frontend represents the "view" part of the Model-View-Controller architecture in regard to the overall MISP project. Therefore we do not have a very complex architecture.

2.1 Components

All components placed inside the src/lib/components directory (Components box in the uml diagram) are atomic,
meaning they do not create any side effects and are usually (close to) stateless. As a way to achieve a
similar effect to inheritance between components, dependency injection is used throughout the application. As
an example, a RelativeDatePill is a kind of DatePill wich is a Pill. This kind of "inheritance" is achieved by
injecting the more generalized components into the more specific components.

2.2 API

Communication with the API is achieved via the browser Fetch API. The library openapi-fetch is used to automatically ensure type safety for all API calls according to the agreed upon OpenAPI spec. We build an adapter around that function to be able to enable and disable specific api methods. There is a custom wrapper around that function to provide advanced capabilities like the option to enable and disable specific HTTP methods. HTTP methods are configurable with the PUBLIC_REST_DISABLED environment variable. The format is {{httpMethod}: boolean}

The API auth key (PUBLIC_MISP_KEY) and the MISP API endpoint (PUBLIC_MISP_API_ENDPOINT) are provided via environment variables, and are required to exist.

2.3 Authentification

When the app loads, the +layout.page file checks if a token is set in the localStorage. If it is set, the user gets redirected to the default page. If it isn't set, the user gets redirected to the /login page instead.

2.4 Stores

All the application state is centralized in the stores.ts file via Svelte Stores. All stores are global singletons that can be accessed throughout the application.

The exported stores are:

- settings: All settings of the application. The possible values are user-configurable. The settings page will generate the correct layout from this object.
- mode: "view" or "edit"
- currentRoute: The route currently displayed.
- · actionBarEntries: All entries that are supposed to be shown inside the ActionBar.
- · user: The current user with permissions. The type of this value is extracted from the OpenAPI specification.

2.5 Design

The initial design work was done with Figma. A prototype is visible here.

2.6 Framework

The application is built as a SvelteKit application, but without using any of SvelteKit's server functionality. Please refer to the docs.

3. Dynamic Layout generation

Most layouts (especially lists and cards) in the appliction are generated using "dynamic" components like <code>DynTable</code> and <code>DynCard</code>.

These components allow generating layouts by mapping the properties of the provided data onto TableHeads, which are objects describing how to display that data.

TableHead objects contain a value function and an optional display property which allow mapping the data to either a string, in which case the data is diplayed as that string, or to a Component constructor and its props, which displays the data using that component and essentially allows data to be displayed in every possible way desired.

This approach allows easily programmatically setting up Tables and Cards without manually having to specify the whole page layout as HTML, greatly increasing maintainability and reusability.

```
type TableHead<
  Value,
  Value,
  DisplayComp extends SvelteComponent | undefined = SvelteComponent | undefined,
  DefaultValueReturn = string
> = {
  label: string;
  display?: DisplayComp extends SvelteComponent ? ComponentType<DisplayComp> : undefined;
  value: (
    value: Value
  ) => DisplayComp extends SvelteComponent ? ComponentProps<DisplayComp> : DefaultValueReturn;
};
```

3.1 createTableHeadGenerator

The createTableHeadGenerator function is an essential utility function that allows generating/validating type safe TableHeads.

It is generic over the type of data that is supposed to be displayed, which is usually the autogenerated type returned by the OpenAPI fetch client, and ensures that all generated TableHeads can only attempt to display properties of the data that are actually available on the provided type.

Signature:

```
function createTableHeadGenerator<
  T,
  E extends Record<string, unknown> = Record<string, unknown>
>(): <K extends SvelteComponent | undefined>(
  tableHead: TableHead<T, K> & E
) => TableHead<T, K> & E
```

Note that due to several constraints in TypeScript, createTableHeadGenerator is a wrapper function returning the actual function responsible for validating the TableHead. In practice though, this is mostly a convencience instead of an inconvenience, because it allows binding the type of the data to the outer function once and then receiving the reusable inner function that is already bound to the correct type, resulting in ergonomic code like this:

```
const data = /* data from some kind of source, usually the MISP API */;

/* Binds the `col` function to `typeof data` */
const col = createTableHeadGenerator<typeof data>();

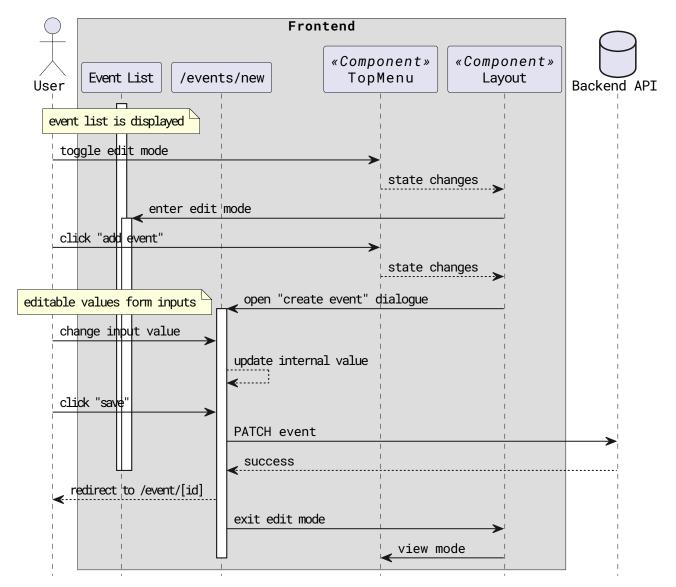
/* Type checks correctly and only allows using properties available on `data` */
const header = [
    col({
        icon: 'mdi:id-card',
        key: 'name',
        label: 'Name',
        value: (x) => ({ text: x.name ?? 'unknown' }),
        display: Info
    }),
    col({
```

```
icon: 'mdi:telescope',
   key: 'scope',
   label: 'Scope',
   value: (x) => ({ icon: 'mdi:telescope', text: x.scope ?? 'unknown' }),
   display: Pill
}),
col({
   icon: 'mdi:head-alert',
   key: 'overhead',
   label: 'Overhead',
   value: (x) => ({ value: x.trigger_overhead, options: THREAT_LEVEL_LOOKUP }),
   display: LookupPill
})
];
```

4. Sequence Diagrams

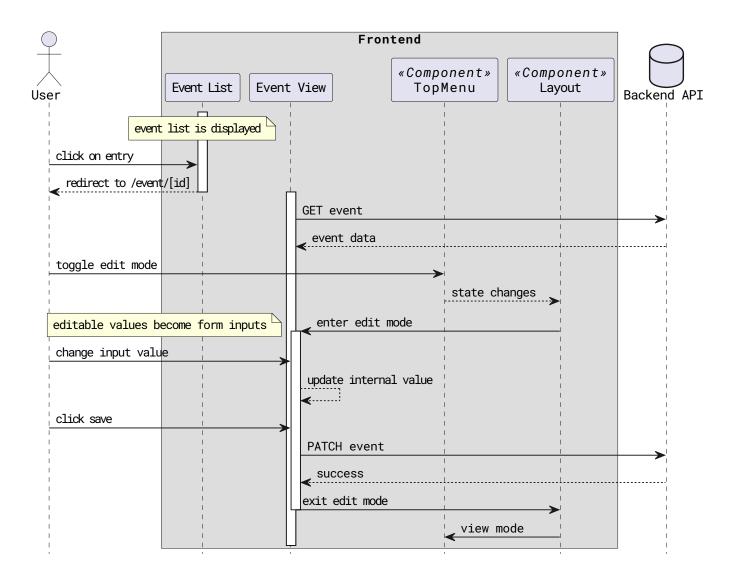
4.1 Add Event

Add a new event to the Events-List. Only Allowed after switching to Edit-Mode.



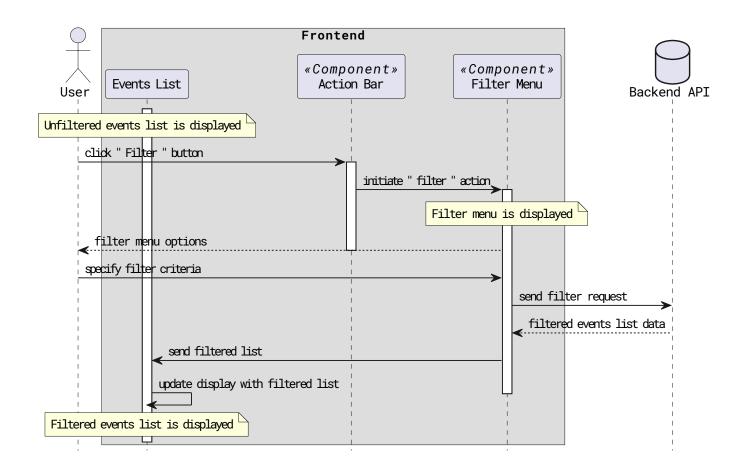
4.2 Edit Event

Edit an already existing event. Only Allowed after switching to Edit-Mode.



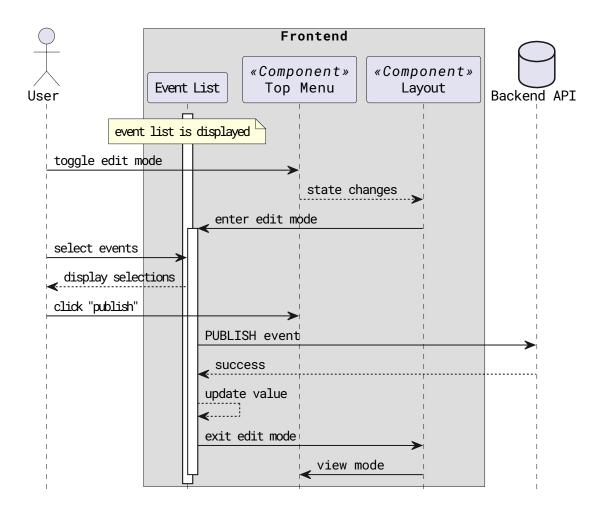
4.3 Filter Events

Filter events of the Events-List according to some given criteria.



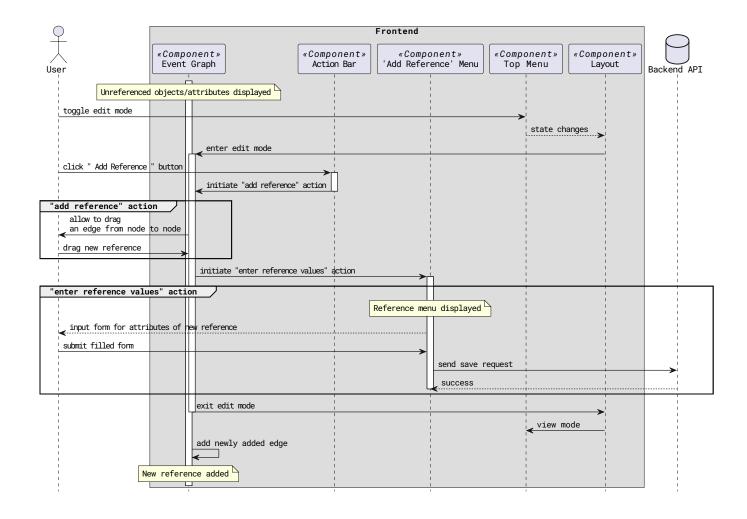
4.4 Publish Event

Publish an already existing event.



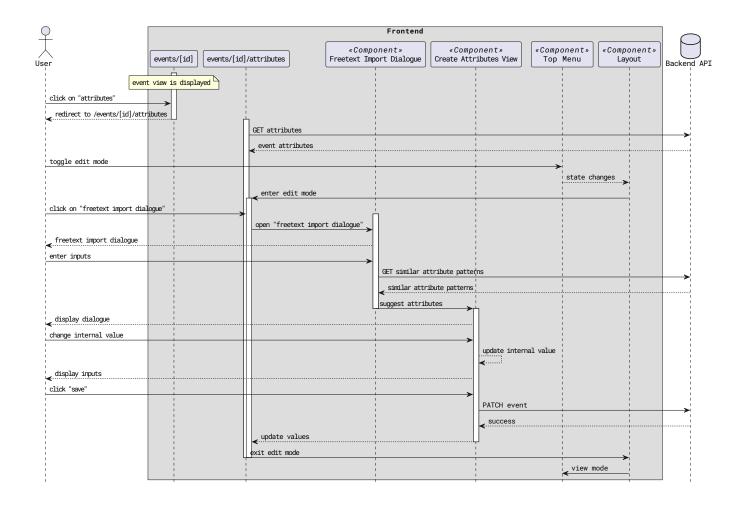
4.5 Add Reference

Add a new reference between an object and attribute in an Event-Graph. Only Allowed after switching to Edit-Mode.



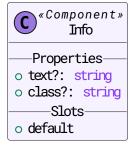
4.6 Freetext Import

Suggest attribute patterns of an event according to IoCs ("Indicator of Compromise"). The attributes can be edited and added to the event. Only Allowed after switching to Edit-Mode.



5. Components

5.1 Info



Displays a text with a default background color of surface1. Also sets the default padding and border radius. You can override this by passing your own classes.

5.1.1 Props

text: string | undefined

The text to be displayed.

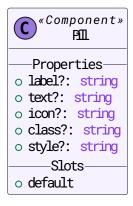
class: string | undefined

Additional classes to be applied.

5.1.2 Slots

default

5.2 Pill



A pill component. A pill is a small rounded rectangle with a label and/or text and/or icon.

${\tt Slot}\colon$

The content of the pill. If no slot is provided, the text prop will be used.

5.2.1 Props

label: string | undefined

The label of the pill. Will be placed on the left side of the pill. The background of the label is bg-crust.

text: string | undefined

The text of the pill. Will be placed in the middle of the pill.

icon: string | undefined

The icon of the pill. Will be placed on the left side of the pill. If a label is present, the icon will be placed on the left side of the label.

class: string | undefined

Class that should be applied to the pill.

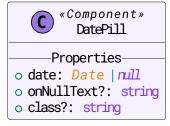
style: string | undefined

Some style overrides. When possible, the class prop should be used instead.

5.2.2 Slots

default

5.3 DatePill



Uses Pill.

Displays a date in a pill with the default format. The date format can be configured in the config.ts file.

5.3.1 Props

date: Date | null

The date of the to be displayed.

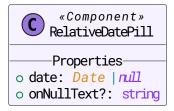
onNullText: string | undefined

The text that should be displayed if the date is null.

class: string | undefined

Class that should be applied to the pill.

5.4 RelativeDatePill



Uses DatePill.

Displays a relative date in a pill. The color of the pill is based on the date.

- If the date is in the past, the pill will be red.
- If the date is over one week in the future, the pill will be green.
- \cdot If the date is less then one week in the future, the pill will be orange.

5.4.1 Props

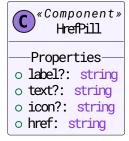
date: Date | null

The date of the to be displayed.

onNullText: string | undefined

The text that should be displayed if the date is null.

5.5 HrefPill



Uses Pill.

A pill component that acts as a link. This pills text will be blue:

5.5.1 Props

label: string | undefined

The label of the pill. Will be placed on the left side of the pill. The background of the label is bg-crust.

text: string | undefined

The text of the pill. Will be placed in the middle of the pill.

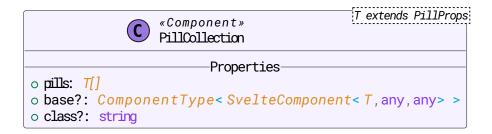
icon: string | undefined

The icon of the pill. Will be placed on the left side of the pill. If a label is present, the icon will be placed on the left side of the label.

href: string

The target URL of the pill, which will be navigated to when the pill is clicked.

5.6 PillCollection



Uses Pill.

Displays a collection of pills. The pill component that should be used for each pill can be specified by setting the base prop.

5.6.1 Props

Generics: T extends PillProps

pills: T[]

The Pills that should be displayed.

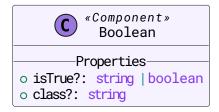
base: ComponentType<SvelteComponent<T, any, any>> | undefined

The pill component to be used for each pill.

class: string | undefined

The class of the pill wrapper.

5.7 Boolean



Uses Pill.

Displays a boolean value as a text using the Pill component. The background is green if the value is true and red if the value is false.

5.7.1 Props

isTrue: string | boolean | undefined

Displays a boolean value as a text using the Pill component. Also parses strings to booleans. String must be either 'true' or 'false'.

class: string | undefined

Additional classes to be applied to the Pill component.

5.8 LookupPill



Uses Pill.

Converts the value given by the value prop to an entry from the options lookup array and displays the result as a pill.

5.8.1 Props

value: number | undefined

The index corresponding to the entry in the options array.

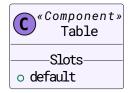
options: { label?: string | undefined; text?: string | undefined; icon?: string | undefined; class?: string | undefined; style?:
string | undefined; }[]

Array with props of Pills, indexed by value.

class: string | undefined

The class of the pill.

5.9 Table



Creates an HTML table element with specific styling.

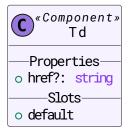
Slot:

The full table.

5.9.1 Slots

default

5.10 Td



Creates an HTML td element for the table with specific styling.

Slot:

· The content of the td.

5.10.1 Props

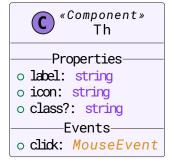
href: string | undefined

The url to navigate to when clicking on the td .

5.10.2 Slots

default

5.11 Th



Creates an HTML $\,$ th $\,$ element for the table with specific styling.

Slot:

• The content of the th.

5.11.1 Props

label: string

The label of the column.

icon: string

The icon of the column.

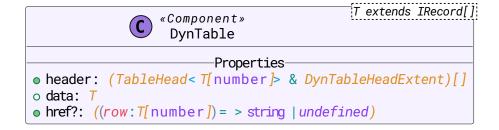
class: string | undefined

The class to be applied to the table head.

5.11.2 Events

click: MouseEvent

5.12 DynTable



Uses Table, Td, Th.

Creates a dynamic Table using the header and data props.

The header props specifies the columns of the table, while the data prop provides rows of data that conform to the structure of the header.

Type safety of this is enforced at compile time using Typescript.

5.12.1 Props

Generics: T extends IRecord[]

header: (TableHead<T[number]> & DynTableHeadExtent)[]

The header of the table. Also includes the icon and the href. When setting this, it's recommended to use the createTableHeadGenerator util function.

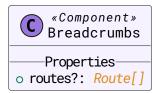
data: T

The data that will be displayed in the table.

```
href: ((row: T[number]) => string | undefined) | undefined
```

The callback that will be called when the user clicks on the row.

5.13 Breadcrumbs



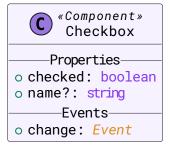
Displays a breadcrumb trail with the given routes.

5.13.1 Props

routes: Route[] | undefined

The route that will be displayed in the breadcrumbs.

5.14 Checkbox



A checkbox component. In order to receive changes, the checked prop can be reactively bound or the on:change event can be listened to for changes.

Internal:

Uses some tailwind css trickery to make the checkbox value to look like a switch. Basically hides the input and sets the focus state via the label. The div is the actual switch and is moved via the peer-checked class where the peer class is set in the input.

5.14.1 Props

checked: boolean

Whether the checkbox is checked or not.

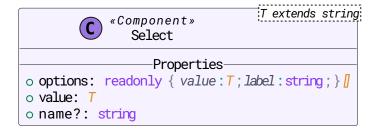
name: string | undefined

The form name of this checkbox.

5.14.2 Events

change: Event

5.15 Select



A select component that uses the native select element. The options are passed as a prop and the value is bound to the value prop. The options prop should be an as const array of objects with a value and a label property to allow full type safety.

5.15.1 Props

Generics: T extends string

options: readonly { value: T; label: string; }[]

The options of the select. The value is the value of the option and the label is the label of the option.

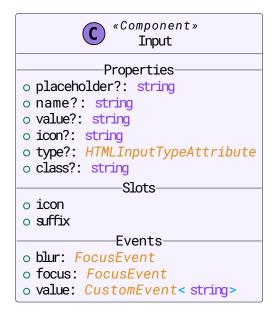
value: T

The value that is currently selected. Because of the template variable, full type safety should be enforced if using consts as options.

name: string | undefined

Name of this select element. Used for forms.

5.16 Input



The default input component. A prefix icon can be added inside of the icon slot, and/or a suffix icon in the suffix slot.

In order to use this component in forms, the name prop should be set.

You can also set the value prop, if you want to set an initial value. Or bind to it if you want to use this outside of a form. You can also set the placeholder prop, if you want to set an placeholder.

5.16.1 Props

```
placeholder: string | undefined

Placeholder of the input.

name: string | undefined

The name of the input. Used for the label and for form submission.

value: string | undefined

The current value of the input.

icon: string | undefined

The icon to be displayed inside of the input.

type: HTMLInputTypeAttribute | undefined

The type of the input.

class: string | undefined
```

Additional classes to be applied.

5.16.2 Slots

icon

suffix

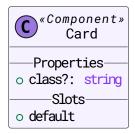
5.16.3 Events

blur: FocusEvent

focus: FocusEvent

value: CustomEvent<string>

5.17 Card



A card with a slot for content. Sets the default padding and border radius. You can override this by passing your own classes.

5.17.1 Props

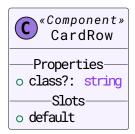
class: string | undefined

Additional classes to be applied to this component.

5.17.2 Slots

default

5.18 CardRow



This component should be used to display rows inside of a Card.

It's recommended to only use up to two children in the slot, which will be displayed at both ends of the row.

5.18.1 Props

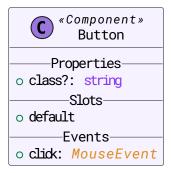
class: string | undefined

Additional classes to be applied to this component.

5.18.2 Slots

default

5.19 Button



A button with a slot for content.

5.19.1 Props

class: string | undefined

Additional classes to be applied to this component.

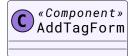
5.19.2 Slots

default

5.19.3 Events

click: MouseEvent

5.20 AddTagForm



Uses Card, CardRow, Input, Select, Checkbox, Button, Pill.

5.21 DynCard



Uses Card, CardRow.

A card that displays the data of the given header.

This works dynamically similar to the DynTable component. So you should probably use the createTableHeadGenerator util function to create the header.

5.21.1 Props

Generics: T

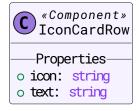
header: TableHead<T>[]

The header of the table. Also includes the icon and the href.

data: T

The data that will be displayed in the table.

5.22 IconCardRow



Uses CardRow.

5.22.1 Props

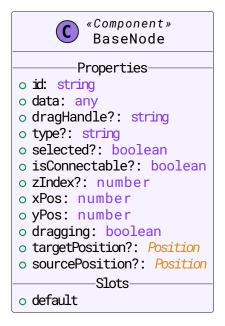
icon: string

The icon to be displayed in this row.

text: string

The text to be displayed in this row.

5.23 BaseNode



The base component for all custom diagram nodes. Other custom node types should use this as their container.

5.23.1 Props

id: string

data: any

dragHandle: string | undefined

type: string | undefined

selected: boolean | undefined

isConnectable: boolean | undefined

zIndex: number | undefined

xPos: number

yPos: number

dragging: boolean

targetPosition: Position | undefined

sourcePosition: Position | undefined

5.23.2 Slots

default

5.24 TriggerNode



«Component» C TriggerNode

Properties-

o id: string o data: any

o dragHandle?: string

o type?: string

o selected?: boolean

o isConnectable?: boolean

o zIndex?: number

o xPos: number

o yPos: number

o dragging: boolean

o targetPosition?: Position

o sourcePosition?: Position

Uses BaseNode.

A node representing a workflow trigger.

5.24.1 Props

id: string

data: any

dragHandle: string | undefined

type: string | undefined

selected: boolean | undefined

isConnectable: boolean | undefined

zIndex: number | undefined

xPos: number

yPos: number

dragging: boolean

targetPosition: Position | undefined

sourcePosition: Position | undefined

5.25 ModuleNode



«Component» ModuleNode

-Properties-

o id: string o data: any

o dragHandle?: string

o type?: string

o selected?: boolean

o isConnectable?: boolean

o zIndex?: number

o xPos: number o yPos: number

o dragging: boolean

o targetPosition?: Position

o sourcePosition?: Position

Uses BaseNode.

A node representing a workflow module.

5.25.1 Props

```
id: string

data: any

dragHandle: string | undefined

type: string | undefined

selected: boolean | undefined

isConnectable: boolean | undefined

zIndex: number | undefined

xPos: number

yPos: number

dragging: boolean

targetPosition: Position | undefined

sourcePosition: Position | undefined
```

5.26 Flow

```
Properties
o nodes: Writable < Node[] >
o edges: Writable < Edge[] >
o snapGrid?: [number, number]

Slots
o default

Events
o nodeclick: CustomEvent < { node: Node < any, string | undefined > ; event: MouseEvent | TouchEvent; } >
```

Uses TriggerNode, ModuleNode.

 $This \ component \ contains \ a \ node-based \ editor \ or \ interactive \ diagram \ provided \ by \ SvelteFlow.$

It acts like a canvas. All elements, such as nodes, edges and controls, are rendered inside.

5.26.1 Props

nodes: Writable<Node[]>

Nodes that are rendered on the flow

edges: Writable<Edge[]>

Edges that are rendered on the flow

snapGrid: [number, number] | undefined

Dimensions of the grid that nodes will snap onto

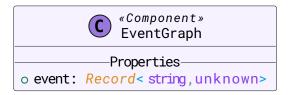
5.26.2 Slots

default

5.26.3 Events

nodeclick: CustomEvent<{ node: Node<any, string | undefined>; event: MouseEvent | TouchEvent; }>

5.27 EventGraph



Uses Card, IconCardRow, Flow.

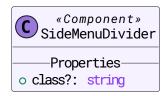
The event Graph component. Uses the Flow component to render the graph. Uses the Card component to render the action Bar and a table, where the unreferenced objects and attributes are displayed.

5.27.1 Props

event: Record<string, unknown>

The Event to be displayed on this page.

5.28 SideMenuDivider



A divider for the side menu.

5.28.1 Props

class: string | undefined

5.29 SideMenuEntry



Properties-

o name: string
o icon: string
o href: string

o active?: boolean

o isMenuOpen?: boolean
o children?: Route[]
o isChild?: boolean

Uses SideMenuDivider.

The side menu entry component.

It can be opened by clicking on it when the parent side menu is open.

When open, all the children will be displayed as subentries using this component.

5.29.1 Props

name: string

The name to be displayed in this side menu entry.

icon: string

The icon to be displayed in this side menu entry.

href: string

The href to be used in this side menu entry.

This is the URL of the page this entry links to.

active: boolean | undefined

Whether this side menu entry is active or not.

Active entries are highlighted visually.

isMenuOpen: boolean | undefined

Whether the parent side menu is open or not.

children: Route[] | undefined

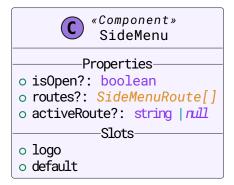
The children of this side menu entry.

Will be displayed as subentries.

isChild: boolean | undefined

Whether this side menu entry is a child of another SideMenuEntry, meaning it is a subentry.

5.30 SideMenu



Uses SideMenuDivider, SideMenuEntry.

 $\label{thm:component:thm:contains} \mbox{ The side } \mbox{ menu component. It contains the } \mbox{ SideMenuEntry and } \mbox{ SideMenuDivider components.}$

You can override the default SideMenuEntry list display by using the default slot.

You can also override the logo by using the $\log o$ slot.

Internal:

When setting a logo, do not forget to set the global FADE_OPTIONS constant, otherwise it may look weird.

5.30.1 Props

isOpen: boolean | undefined

The current state of the side menu.

Can be bound in order to change the state from other components.

routes: SideMenuRoute[] | undefined

The routes to be displayed in the side menu.

activeRoute: string | null | undefined

The current route that is active.

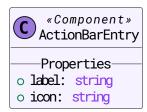
Should usually be the current URL provided by SvelteKit ($\protect\operatorname{\mathtt{Spage.url.href}}$).

5.30.2 Slots

logo

default

5.31 ActionBarEntry



Represents one of the entries of the ActionBar.

5.31.1 Props

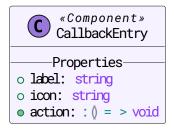
label: string

The label of this ActionBar entry.

icon: string

The icon of this ActionBar entry.

5.32 CallbackEntry



Uses ActionBarEntry.

An ActionBarEntry with an on:click callback action associated with it.

5.32.1 Props

label: string

The label of this ${\it ActionBar}$ entry.

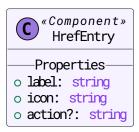
icon: string

The icon of this $ActionBar\ entry.$

action: () => void

Callback function that is executed on click.

5.33 HrefEntry



Uses ActionBarEntry.

An ActionBarEntry that acts as a link to the specified URL.

5.33.1 Props

label: string

The label of this ActionBar entry.

icon: string

The icon of this ActionBar entry.

action: string | undefined

 ${\tt URL} \ {\tt for} \ {\tt hyperlink}$

5.34 ActionBar



Uses CallbackEntry, HrefEntry.

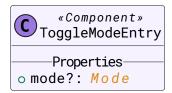
The action bar contains actions that can be performed when in edit mode.

5.34.1 Props

entries: ActionBarEntry[]

Actions that are displayed.

5.35 ToggleModeEntry



Uses Checkbox.

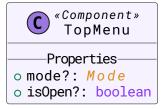
The ActionBar entry responsible for toggling modes.

5.35.1 Props

mode: Mode | undefined

The current mode of this Entry.

5.36 TopMenu



Uses Input, ActionBar, ToggleModeEntry.

The top menu component.

The search bar and the ActionBar are located here.

5.36.1 Props

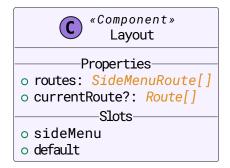
mode: Mode | undefined

The mode of the current page. Possible modes are currently "view" and "edit": TODO: maybe extract this to a store?

isOpen: boolean | undefined

Whether the side menu is open or not. TODO: probably should search for a better solution for this.

5.37 Layout



Uses SideMenu, TopMenu, Breadcrumbs.

The basic component for the layout of the application.

This Component is intended to be used in Layouts, where the page body will automatically be inserted into the default slot.

You can also override the SideMenu by using the sideMenu slot.

5.37.1 Props

routes: SideMenuRoute[]

The routes to be displayed in the side menu.

currentRoute: Route[] | undefined

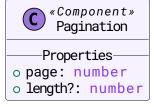
The current route to be displayed in the Breadcrumbs.

5.37.2 Slots

sideMenu

default

5.38 Pagination



A pagination component that allows the user to navigate through pages of a list.

5.38.1 Props

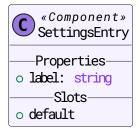
page: number

The current page.

length: number | undefined

The total number of pages.

5.39 SettingsEntry



Represents a single settings entry on /settings.

Slot:

The component/html (e.g. a Checkbox or Select to display in the entry.

5.39.1 Props

label: string

The label of the settings entry.

5.39.2 Slots

default

6. Pages

6.1 /admin/keys



Uses DynTable.

6.1.1 Props

data:

```
{ [x: string]: any; [x: number]: any; [x: symbol]: any; header: ((TableHead<{ AuthKey?: { id?: string | undefined; uuid?: string | undefined; authkey_start?: string | undefined; string | undefined; ... 6 more ...; last_used?: string | ... 1 more ... | undefined; } | undefined; User?: { ...; } | undefin...
```

6.2 /admin/keys/[id]



Displays information about a specific auth key, specified by [id.

6.3 /admin/servers



Uses DynTable.

Displays a list of all remote servers of the instance.

6.3.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; data: { Server?: ({ id?: string | undefined; } & { name?: string |
undefined; url?: string | undefined; authkey?: string | undefined; org_id?: string | undefined; ... 20 more ...; cache_timestamp?:
boolean | undefined; }) | undefined; Organisation?: ({ ...; } &...
```

6.4 /admin/servers/[id]



Displays information about a specific remote server, specified by id.

6.5 /admin/users



Uses DynTable.

Displays a list of all users of the instance.

6.5.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; data: { User?: ({ id?: string | undefined; } & { org_id?: string | undefined; server_id?: string | undefined; email?: string | undefined; ... 17 more ...; date_modified?: string | undefined; }) | undefined; Role?: { ...; } | undefined; Organisation?: { ...; } | ...
```

6.6 /admin/users/[id]



Displays information about a specific user, specified by id.

6.7 /attributes



6.8 /attributes/[id]



6.9 /events



Uses Pagination, DynTable.

Displays a list of all events.

6.9.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; header: ((TableHead<{ id?: string | undefined; } & { org_id?: string |
undefined; distribution?: "0" | "1" | "2" | "3" | "4" | "5" | undefined; ... 16 more ...; event_creator_email?: string | undefined; }
& { ...; }, undefined> & DynTableHeadExtent) | (TableHea...
```

Page data

6.10 /events/[id]



Uses DynCard, AddTagForm, EventGraph, DynTable, Card, PillCollection.

This Page will display the event with a DynCard component. The header will be generated by the formHeaders depending on the mode.

The Galaxies and Tags will be displayed with a PillCollection. The EventGraph will be displayed with the EventGraph component. The Attributes are basically a DynTable

The update of the event will be handled by a form inside of this page, that is a wrapper around some DynCards. Therefore the "name" from any inputted component will be used to calculate the final object we will send to the server.

6.10.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; event: ({ id?: string | undefined; } & { org_id?: string | undefined;
distribution?: "0" | "1" | "2" | "3" | "4" | "5" | undefined; info?: string | undefined; ... 15 more ...; event_creator_email?:
string | undefined; } & { ...; }) | undefined; }
```

Page data containing the data of the event with the id in the url

6.11 /events/new



6.12 / galaxies



Uses DynTable.

A list of all galaxies.

6.12.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; galaxies: { Galaxy?: { id?: string | undefined; uuid?: string |
undefined; name?: string | undefined; type?: string | undefined; description?: string | undefined; version?: string | undefined;
icon?: string | undefined; namespace?: string | undefined; kill_chai...
```

The data that will be displayed on this page

6.13 /galaxies/[id]



Uses DynCard, DynTable.

Information about a single galaxy, including a list of its clusters.

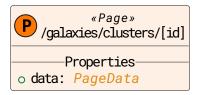
6.13.1 Props

data:

```
{ [x: string]: any; [x: number]: any; [x: symbol]: any; galaxy: { Galaxy?: { id?: string | undefined; unid?: string | undefined; name?: string | undefined; type?: string | undefined; description?: string | undefined; version?: string | undefined; icon?: string | undefined; namespace?: string | undefined; kill_chain_...
```

Data that is displayed on this page.

6.14 /galaxies/clusters/[id]



Uses Boolean, Card, CardRow, Info, HrefPill, LookupPill, PillCollection, DynTable.

Show all information about a single galaxy cluster, including its elements.

6.14.1 Props

Data that is provided +page.ts on page load.

6.15/settings



Uses Checkbox, Select, SettingsEntry.

Exposes various global settings of the application.

6.16 /tags



Uses Pagination, DynTable.

Displays a combined list of the tags of all events.

6.16.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; data: { Tag?: ({ id?: string | undefined; } & { name?: string |
  undefined; colour?: string | undefined; exportable?: boolean | undefined; ... 6 more ...; inherited?: number | undefined; })[] |
  undefined; }; tableData: ({ id?: string | undefined; } & { name?: st...
```

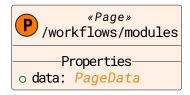
Page data

6.17 /tags/[id]



Shows information about a specific tag, specified by id.

6.18 /workflows/modules



Uses DynTable.

6.18.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; data: Record<string, never> | { AuthKey?: { id?: string | undefined; unid?: string | undefined; undefined; undefined; undefined; string | undefined; } | undefined; User?: { ...; } | undefined; }[] | ... 41 more ....
```

6.19 /workflows/modules/[id]



6.20 /workflows/triggers



Uses DynTable.

A list of all workflow triggers.

6.20.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; tableData: Record<string, never> | { AuthKey?: { id?: string |
   undefined; uuid?: string | undefined; authkey_start?: string | undefined; ... 7 more ...; last_used?: string | ... 1 more ... |
   undefined; } | undefined; User?: { ...; } | undefined; }[] | ... 41 mo...
```

The data that will be displayed on this page.

6.21 /workflows/triggers/[id]



Uses DynCard, Flow.

All the information about a specific workflow trigger, including an interactive node-based diagram for visualizing the workflow.

6.21.1 Props

```
data: { [x: string]: any; [x: number]: any; [x: symbol]: any; trigger: {}; infoHeader: ((TableHead<{}, Info__SvelteComponent_> &
Record<string, unknown>) | (TableHead<...> & Record<...>) | (TableHead<...> & Record<...>) |
(TableHead<...> & Record<...>))[]; }
```

The data that will be displayed on this page.

6.22 /login

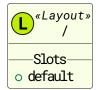


Uses Button, Input.

Provides a login flow via username and password. Stores the generated authentication token in localStorage, allowing the user to stay logged in after closing the page.

7. Layouts

7.1 /

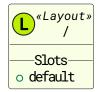


Root layout. Used to apply the theme and render the full application. The theme is based on css variables and tailwindcss. Elements using the proper tailwind classes will be themed automatically according to the current theme when placed in this layout.

7.1.1 Slots

default

7.2 /



Uses Layout.

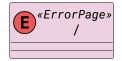
App Layout. Used for all routes besides /login. Contains the Layout component, in which each page's content is inserted into via the component's default slot.

7.2.1 Slots

default

8. Error Pages

8.1 /



If any error occurs inside of a +page.ts load function, this page will be rendered. Handles 403 errors, by showing a link to the login page.

See: https://kit.svelte.dev/docs/errors