Components

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src/App.js

App

The entry point of the React application. Almost all work is delegated to subcomponents. The only work that the App component itself does, is to check if the user is logged in or not, and pass functions to lower-level components to sign a user in or out.

Property	Type	Required	Default value	Description
username	string	no		
isAuthenticated	bool	yes		

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src/Notifier.js

Notifier

This component shows the notifications ('Snackbars') that the app might generate. This has been put in its own component that is included at the outside of the application, so that logging in/logging out and other state changes that might completely alter how the page will look, will be able to show notifications as well.

The Notifier component is not used directly from within the app. Rather, the `showNotification()` function that this component file exports is. The application should only contain one Notifier component, because the `showNotification()` function expects there to only be one Notifier.

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src/Routes.js

Routes

Will dispatch between the various top-level routes that the application uses.

After having logged in, there are various sub-routes, which are dispatched in their own component, inside of AuthenticatedApp.

Property	Type	Required	Default value	Description
username	string	no		
isAuthenticated	bool	yes		
signInHandler	func	yes		
signOutHandler	func	yes		

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src/authenticated_app/AuthenticatedApp.js

AuthenticatedApp

Base of the app after logging in. Renders the user interface and the relevant page for the current path. Also handles the updating of data for the dashboards linked to the logged in account.

Property	Type	Required	Default value	Description
username	string	yes		
isAuthenticated	bool	yes		
signOutHandler	func	yes		

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src/authenticated_app/AuthenticatedRoutes.js

AuthenticatedRoutes

Similar to `Routes`, this component performs routing, but for the website after being authenticated.

Property	Type	Required	Default value	Description
dashboards	object	no		

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src/authenticated_app/dashboard/DashboardRoutes.js

DashboardRoutes

Dispatches between all routes concerning a single dashboard.

Property	Type	Required	Default value	Description
dashboard	shape	no		
match	shape	no		

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src/authenticated_app/dashboard/statistics_page/EndpointExecutionTimesPanel.js

EndpointExecutionTimesPanel

Panel containing the `EndpointExecutionTimesGraph`.

Property	Type	Required	Default value	Description
dashboard_id	string	yes		

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src/authenticated_app/dashboard/statistics_page/ExecutionTimesGraph.js

ExecutionTimesGraph

Displays the average execution time per the given dashboard's endpoint.

Property	Type	Required	Default value	Description
data	array	yes		
title	string	yes		

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src/authenticated_app/dashboard/statistics_page/StatisticFetcher.js

StatisticFetcher

Base class component that specific Statistics-fetchers inherit.

Property	Type	Required	Default value	Description
timeslice	string	no		

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src/authenticated_app/dashboard/statistics_page/StatisticsPage.js

StatisticsPage

The main Dashboard page that cointains all general statistics we've gathered for it.

Property	Type	Required	Default value	Description
theme	object	yes		
dashboard	shape	yes		

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src/authenticated_app/dashboard/statistics_page/TimesliceTabs.js

TimesliceTabs

A component put inside this component will receive the `timeslice` property

This property is set, depending on the tab that the user selects (one of hour, day, week, month, year)

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src/authenticated_app/dashboard/statistics_page/UniqueVisitorsHeatmapPanel.js

UniqueVisitorsHeatmapPanel

Panel containing a heatmap of all unique visitors that have been visiting this Dashboard.

Property	Type	Required	Default value	Description
dashboard_id	string	yes		

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src/authenticated_app/dashboard/statistics_page/UniqueVisitorsPanel.js

UniqueVisitorsPanel

A Panel containing a line graph showing how many unique visitors this Dashboard had.

Property	Type	Required	Default value	Description
dashboard_id	string	yes		

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src/authenticated_app/dashboard/statistics_page/VisitorsHeatmapGraph.js

VisitorsHeatmapGraph

Heatmap of visitors that have been visiting this Dashboard.

Property	Type	Required	Default value	Description
data	array	yes		
title	string	yes		

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src/authenticated_app/dashboard/statistics_page/VisitorsHeatmapPanel.js

VisitorsHeatmapPanel

Panel containing a heatmap of all visitors that have been visiting this Dashboard.

Property	Type	Required	Default value	Description
dashboard_id	string	yes		

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src/authenticated_app/dashboard/statistics_page/VisitsGraph.js

VisitsGraph

A line graph showing how many visitors this Dashboard had.

Property	Type	Required	Default value	Description
data	array	yes		
title	string	yes		
tooltip_title	string	yes		
height	number	yes		
timeslice	string	yes		

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src/authenticated_app/dashboard/statistics_page/VisitsPanel.js

VisitsPanel

A Panel containing a line graph showing how many visitors this Dashboard had.

Property	Type	Required	Default value	Description
dashboard_id	string	yes		

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src/authenticated_app/endpoint/EndpointPage.js

EndpointPage

The `EndpointPage` renders the details page of a single EndpointPage.

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src/authenticated_app/endpoint/EndpointsTable.js

EndpointsTable

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src/authenticated_app/overview/AddDashboardDialog.js

AddDashboardDialog

`AddDashboardDialog` shows the modal dialog that allows a user to add a new dashboard to PyDash. It also performs the handling logic of saving the information that has been entered in the form.

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src/authenticated_app/overview/DashboardList.js

DashboardList

A list of dashboards, where each entry (`DashboardListItem`) contains some general information about the dashboard.

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src/authenticated_app/overview/DashboardListItem.js

DashboardListItem

The `DashboardListItem` displays some general information about the given dashboard;

This component is to be used as part of a `DashboardList`.

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src/authenticated_app/overview/OverviewPage.js

OverviewPage

The `OverviewPage` is the main page the user sees after logging in.

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src/authenticated_app/settings/SettingsPage.js

SettingsPage

Component representing the settings page.

Provides rendering and functionality for changing account details, enabling disabling sounds, and removing user accounts.

Property	Type	Required	Default value	Description
classes	object	yes		

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src/authenticated_app/user_interface/Logout.js

Logout

Renders the logout icon, handles logout requests and redirects to the login page when succesful.

Property	Type	Required	Default value	Description
signOutHandler	func	yes		

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src/authenticated_app/user_interface/Menu.js

MainMenuItems

2. OtherMenuItems

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src/authenticated_app/user_interface/UserInterface.js

UserInterface

Shows the user interface for logged in users:

- The top menu
- The side menu that is used for navigation (whose contents live in `Menu.js`)
- The `Breadcrumbs` of the currently shown page.

Property	Type	Required	Default value	Description
classes	object	yes		
theme	object	yes		

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src/common/BreadcrumbRoute.js

BreadcrumbRoute

A special version of the `Route` component that the `react-router-dom` exposes which not only contains a Route handler, but will also add that part of the route to the breadcrumbs of the current page. This means that when multiple of these components are nested in one another, the breadcrumbs of this nesting will show up. (The actual rendering of these breadcrumbs happens in `UserInterface` using the `Breadcrumbs` component)

Property	Type	Required	Default value	Description
includeSearch		no	false	
isLink		no	true	

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src/common/ResponsiveGraphWrapper.js

ResponsiveGraphWrapper

A Nivo Graph component (or other component that you want to auto-resize to fill its container width), can be added to this component to ensure that this resizing will happen.

This component will pass on the 'width' prop to the child, which will be set to the measured width the component ('s container, the ResponsiveGraphWrapper itself) currently has on the page.

Property	Type	Required	Default value	Description
height	number	yes		

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src/login/LoginPage.js

LoginPage

Renders the login page and handles the login requests. Lets the user know if something went wrong with logging in, warns the user about an unsafe password if he has one and contains a link to the register page.

Property	Type	Required	Default value	Description
signInHandler	func	yes		

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src/registration/RegistrationPage.js

RegistrationPage

Renders the registration page. Also handles the register request itself, including making sure all the necessary fields are filled in correctly. Shows relevant error messages when something is going wrong and provides an explanation on the required security for passwords.

Property	Type	Required	Default value	Description
signInHandler	func	yes		

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src/registration/VerificationPage.js

VerificationPage

Renders the verification page new accounts are sent to after clicking on the vericiation link in their e-mail.

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