Connected Apps (API)

Quick Start Guide

This document provides an overview of Sedna's Connected Apps API including what it is, how to connect and implementation, with examples.
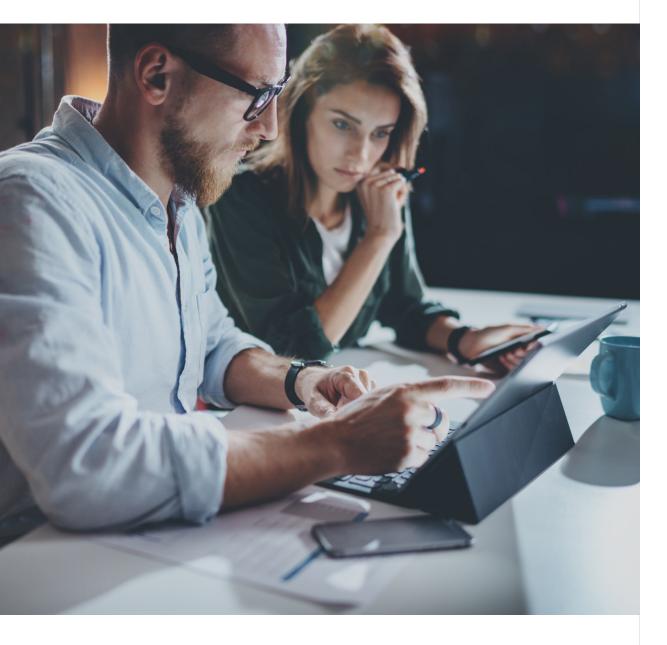
Sedna

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01   Overview

Sedna facilitates our customers and partners to build their own custom applications inside Sedna through our Connected Apps ecosystem. You can do this with our Message Interaction API (aka MIkit) which allows you to build custom and interactive user interfaces that can connect to your tools directly inside the Sedna interface.

If you would like to build your own app, please get in touch with your primary Sedna contact.

02   Getting Started

> Before you can build your own app, you need to have a contractual agreement in place, either directly with a Sedna customer, or through a partnership agreement with Sedna.

Prior to getting access, we will have a kick off meeting to understand more about your technology, use cases and functions and provide you with an opportunity to ask any questions.

How do Sedna's apps work?

When browsing messages, apps can be opened on the right side of a message. These apps can do many different things such as displaying contextual data, pushing data to a third party, downloading and/or uploading attachments to a third party.

03   Get Connected

Sandbox tenant
To develop against Sedna's suite of APIs you need to use a sandbox tenant, which is a dedicated development environment for you. A sandbox tenant is configured similarly to a customer tenant but completely segregated from their data, so you can safely develop and test without any risk.

As part of the sandbox creation process, we need some details from you including:

The mail domain you will use for testing, if applicable
Whether you want to send and receive mail in your sandbox (if yes, we will share the necessary DNS records with you once the tenant is created, which you will need to set up on the mail domain you provided to us)

Details for up to two users:
First name, surname and email address

We will set you up with one Shared Inbox for your use.

Once your tenant and team is set up, we will share the login details for the two users securely via NoteShred. These users will have permissions to create any subsequent Inboxes and users that you need. For more information about how to set up users, please review our **help centre guide.**

Authentication profile

Sedna uses Bearer authentication for our message interaction API. Sedna will call an app endpoint with the header

```
Authorization: Bearer {{token}}
```

where {{token}} is the app's pre-configured API token. This Bearer token should not expire.

You will need to provide Sedna with the Bearer token as part of the setup process.

Set up process

When deploying an app to any tenant, you need to provide Sedna with the following details:

> App name
> SVG logo
> Endpoint URL
> API key
> Plain text error message to display to the user in the event the app fails to respond successfully

We will send you an email when the app has been successfully deployed to the tenant.

The app is displayed when viewing a message in the right hand side panel. To view the app, click on the database symbol and the title and logo of the app will be displayed.

Interaction flow

When a user opens an app in Sedna, the app's endpoint is called with some contextual information relating to the current message, user, and team. The schema for the request is located **here.**

At this point, the endpoint must respond to Sedna indicating what to display to the user within the user interface. The basic schema for the response is outlined **here** for the response envelope and **here** for an overview of all the supported UI components in Sedna, which are passed in the `blocks` array.

Once the response is returned to Sedna, any of the provided components will be rendered within the Sedna UI. If the `blocks` array of the response is left empty, then Sedna will display a "completed" screen to the user and allow them to move on.

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Styling

You can set text style for the textDisplay block using one of the following options:
label, text, subtext, title, heading, subheading.

An example of the mikit code:

```
"trace": "abc123",
"version": "2020-07-07",
"href": "",
"blocks": [
        {
                "type": "textDisplay",
                "value": "Text to display",
                "style": "label"
```

The style options as displayed in the app are shown below.

label

text

subtext

title

heading

subheading

04 App examples

Dataloy

Dataloy Arrow 201403

ROTTERDAM (Extra Port)
ETA: 01-27 11:04 ETD: 01-26 00:00

SUEZ CANAL (Canal Passage)
ETA: 01-15 06:57 ETD: 01-16 06:57

SHANGHAI (Bunkering)
ETA: 12-21 17:02 ETD: 12-22 05:02

SUEZ CANAL (Canal Passage)
ETA: 11-26 06:33 ETD:11-27 06:33

BERGEN (Discharging)
ETA: 11-10 16:12 ETD: 11-12 22:12

OSLO (Loading)
ETA: 11-07 02:12 ETD: 11-09 08:12

SUEZ CANAL (Canal Passage)
ETA: 10-24 06:04 ETD: 10-25 06:04

SINGAPORE (Bunkering)
ETA: 10-07 04:19 ETD: 10-07 16:19

TORRES STRAIT (Canal Passage)
ETA: 09-28 11:40 ETD: 09-28 23:40

Insert schedule report   📄 Insert

Vessel   Cargo

Q88

Vessel Data

Vessel
Test Spirit

IMO Number
1234567

Ex-Name
Trust Forgotten, Steward, Glorious, Not Applicable

Summer DWT
100000MT

Summer Draft
30m

LOA
185m

Beam
22.3m

Flag
Vanuatu

See Available Certificates

05   Useful information

Message interaction API documentation:

> **https://github.com/sednasystems/sedna-mikit-sample-node**

Please contact your primary contact at Sedna with any questions or queries you may have.

Want to know more about what Sedna could do for your organisation?

Contact **sales@sedna.com** to get a free personalised consultation and demo at a time that suits you.

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