Public Notices API User

This guide was created on

As a Publication admin you will be able to:

1. View Notices types,
2. Manage Notices,
3. View Publications,
4. View System Settings.

View Notices types

As Publication Admin you will be able to see **Notice Types** available in the system. Each Notice Type have following fields:

1. Universal Notice Fields - which occur in each notice type and are required.
2. Template specific fields - fields customized for each notice type (added by System Admin).

Template specific fields

Each added specific field have:

1. **Name field**:

Template Specific Fields

Unit of government	Text input	☐ Required
Meeting date	Date	☐ Required
Meeting date and time	Date and time	☐ Required
Address	Address	☐ Required

This name will be displayed in the Notice creation:

Template specific fields

Unit of government _____

Meeting date _____

Meeting date and time _____

Address _____

Street Address _____

City _____ State _____

Postal Code _____ Country _____

2. **Type field**:

Template Specific Fields

Unit of government	Text input	☐ Required
Meeting date	Date	☐ Required
Meeting date and time	Date and time	☐ Required
Address	Address	☐ Required

Those field types will look like this in Notice creator:

Template specific fields

Unit of government
Lorem ipsum   **Text input**   11/255

Meeting date
03/07/2019   **Date**

Meeting date and time
03/08/2019, 06:30 PM   **Date and time**

┌─ Address ──┐
│ Street Address   **Address**   │
│ 5152 Collingwood   │
│   │
│ City   State   │
│ Detroit   MI   │
│   │
│ Postal Code   Country   │
│ 48204   US   │
└──┘

3. "**Required**" option:

Template Specific Fields

Unit of government	Text input	☐ Required
Meeting date	Date	☐ Required
Meeting date and time	Date and time	☐ Required
Address	Address	☐ Required

If this option will be marked field will have * (asterisk char) at the end of name and in the notice creator it will be not possible to save notice without filling this field.

Manage Notices

As API User you will be able to manage all notices in the system (no restrictions regarding publication).
Good to know: If you didn't use Swagger documentation before - read "How to use Swagger documentation?" (in the last chapter).

How to get Notice creation request?

In **Create Notice** you will see additional button "Show request preview".

It will be disabled until all required fields will be filled:

When you will click on "Show request preview" button following "Request preview" will be displayed:

Request preview

Request data

```
{
    "title": "Notice 003",
    "noticeTypeId": "9a825ac4-719f-44d5-b237-41f344264a36",
    "publicationId": "6ee2ca47-60a4-45b0-9e29-990bd1ff552f",
    "content": "CHARTER TOWNSHIP OF YPSILANTI JANUARY 16,
2018\n\nREGULAR MEETING MINUTES The Charter Township of
'Ypsilanti' Board of Trustees held a Regular Board Meeting on January 16,
2018 at 9:30 a.m. The minutes were approved at the February 6, 2018
Regular Meeting and are available in the Clerk's Office (5152 Collingwood,
Detroit, MI, 48204) or can be viewed online at www.ytown.org. If you have
any questions, please call (734) 484-4700. Karen Lovejoy Roe, Clerk
Charter Township of Ypsilanti",
    "fieldValues": [
        {
            "noticeTypeCustomFieldId": "386c75c6-6fc0-4023-a395-
86ab58564919",
            "address": null,
            "text": "The Charter Township of 'Ypsilanti' ",
            "date": null,
            "dateTime": null
        },
        {
            "noticeTypeCustomFieldId": "d511e8ff-59ab-4aa8-9c6a-
2c7a659e0c23",
            "address": null,
            "text": null,
            "date": "2018-02-06",
            "dateTime": null
        },
        {
```
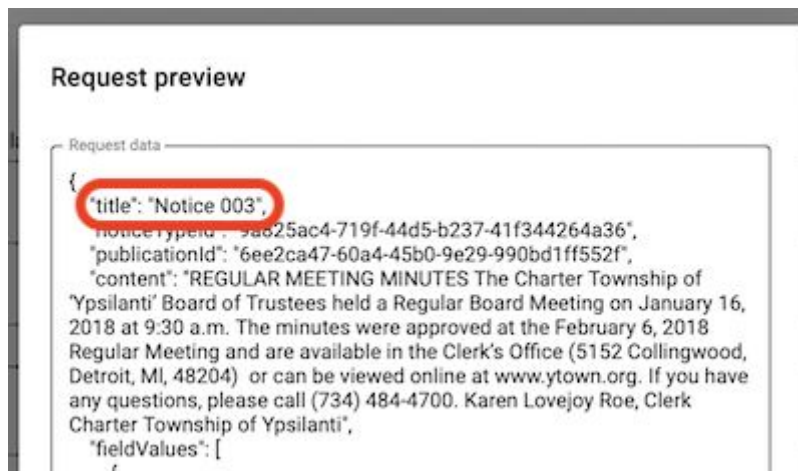
CLOSE   COPY

As you can see notice creation request includes following fields:
1. title
2. noticeTypeId
3. publicationId
4. content
5. fieldValues
6. publicationDates
7. files

Title
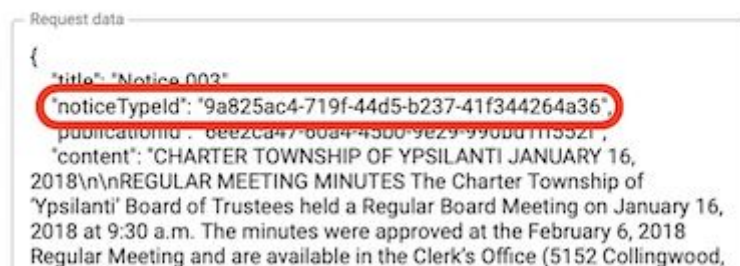
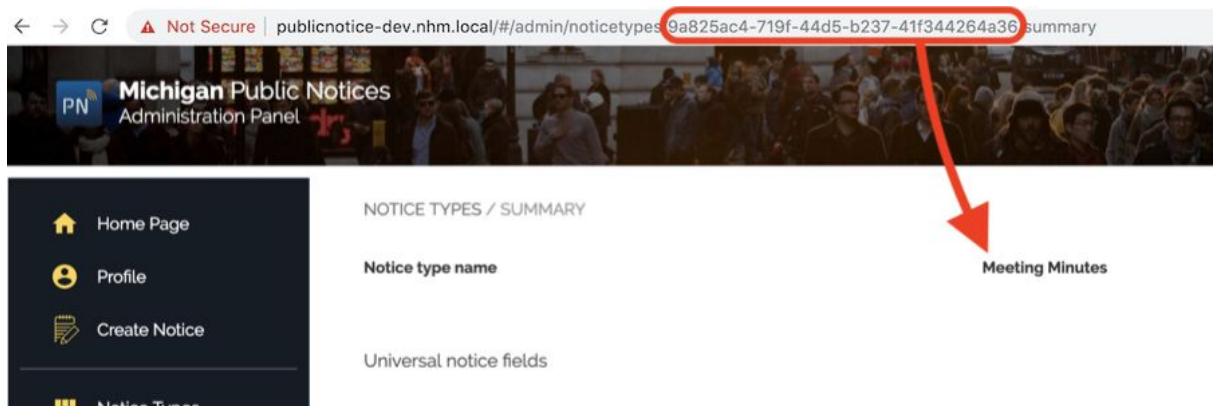It is a text field with limitation to 255 chars:

NoticeTypeID

It is a text field which requires id number existing in Notice types IDs.
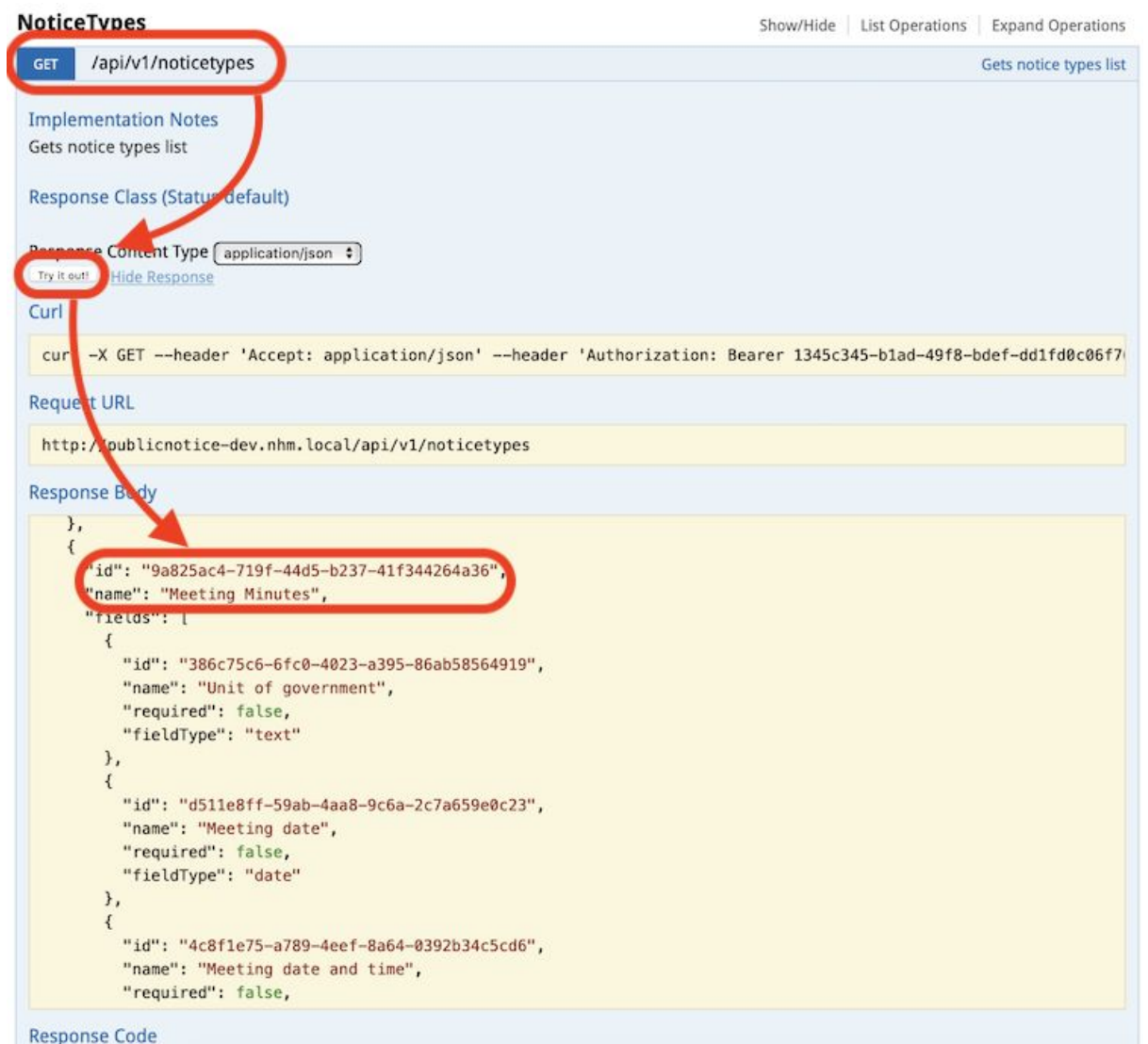You can get it from:
- Notice Creator show request preview

- Notice Type show (will be in the url)

- Notice Types list in the Swagger documentation:

PublicationId

It is a text field which requires id number existing in Publication IDs:

Request preview

You can get just like Notice type id, from show request preview in Notice Creator, from url at Publication show page and in swagger documentation (GET /api/v1/publications).

Content

It is a text field (no length limit here):

Request preview

FieldValues

It is a table with fields objects for chosen Notice Type:

Request preview

Request data

"fieldValues": [
    {
        "noticeTypeCustomFieldId": "386c75c6-6fc0-4023-a395-86ab58564919",
        "address": null,
        "text": "The Charter Township of 'Ypsilanti",
        "date": null,
        "dateTime": null
    },
    {
        "noticeTypeCustomFieldId": "d511e8ff-59ab-4aa8-9c6a-2c7a659e0c23",
        "address": null,
        "text": null,
        "date": "2018-02-06",
        "dateTime": null
    },
    {
        "noticeTypeCustomFieldId": "4c8f1e75-a789-4eef-8a64-0392b34c5cd6",
        "address": null,
        "text": null,
        "date": null,
        "dateTime": "2019-03-07 10:50"
    },
    {
        "noticeTypeCustomFieldId": "c59a461f-3968-4ad5-9e3c-24b4cb8b0b2e",
        "address": {
            "street": "5152 Collingwood",

CLOSE   COPY

The Charter Township of Ypsilanti Board of Trustees held a Regular Board Meeting on Janu ing and are available in the Clerk's Office (5152 Collingwood, Detroit, MI, 48204) or can be vie

You can get them from:
- Notice Creator show request preview (look above) - they will be filled

● Notice Type show in the Swagger documentation (use Notice type id) - it will be only information about fields:

How to fill fields values?

To fill fields values you need to specify field noticeTypeCustomFieldId. You can get it from the Swagger response for Notice Type show request (it will be "id" field value):

After that you need to check what fieldType should be filled (the rest fields should be leaved with "null" value):

1. **Text field** type will have "text" in field type (in swagger):

```
{
  "id": "386c75c6-6fc0-4023-a395-86ab58564919",
  "name": "Unit of government",
  "required": false,
  "fieldType": "text"
},
```

It should be filled in Notice Creation like this:

```
{
    "noticeTypeCustomFieldId": "386c75c6-6fc0-4023-a395-
86ab58564919",
    "address": null,
    "text": "The Charter Township of 'Ypsilanti",
    "date": null,
    "dateTime": null
},
```

Good to know:: Length limit is 255 chars!

2. **Date** type will have "date" in field type (in swagger):

```
{
  "id": "d511e8ff-59ab-4aa8-9c6a-2c7a659e0c23",
  "name": "Meeting date",
  "required": false,
  "fieldType": "date"
},
```

It should be filled in Notice Creation like this:

```
    "noticeTypeCustomFieldId": "d511e8ff-59ab-4aa8-9c6a-
2c7a659e0c23",
    "address": null,
    "text": null,
    "date": "2018-02-06",
    "dateTime": null
},
```

3. **Date and time** type will have "dateTime" in field type (in swagger):

```
{
  "id": "4c8f1e75-a789-4eef-8a64-0392b34c5cd6",
  "name": "Meeting date and time",
  "required": false,
  "fieldType": "dateTime"
},
```

It should be filled in Notice Creation like this:

```
{
    "noticeTypeCustomFieldId": "4c8f1e75-a789-4eef-8a64-
0392b34c5cd6",
    "address": null,
    "text": null,
    "date": null,
    "dateTime": "2019-03-07 10:50"
},
```

4. **Address** type will have "address" in field type (in swagger):

```
{
  "id": "c59a461f-3968-4ad5-9e3c-24b4cb8b0b2e",
  "name": "Address",
  "required": false,
  "fieldType": "address"
}
```

It should be filled in Notice Creation as an object like this (each address parameter as separated field):

```
        {
            "noticeTypeCustomFieldId": "c59a461f-3968-4ad5-9e3c-
24b4cb8b0b2e",
            "address": {
                "street": "5152 Collingwood",
                "locality": "Detroit",
                "region": "MI",
                "postalCode": "48204",
                "country": "US"
            },
            "text": null,
            "date": null,
            "dateTime": null
        }
```

PublicationDates

It will be a table with objects for "date" field (date format is YYYY-MM-DD HH:YY):

```
"publicationDates": [
    {
        "date": "2019-03-08 10:51"
    },
    {
        "date": "2019-03-09 10:51"
    }
],
```

Each Date should be added as separately object in "publicationDates" table.

Files

It will be a table with filename string:

```
"files": [
    "20180525150254.pdf"
]
```

Example request and created Notice

Example request:

```
{
    "title": "Notice 003",
    "noticeTypeId": "9a825ac4-719f-44d5-b237-41f344264a36",
    "publicationId": "6ee2ca47-60a4-45b0-9e29-990bd1ff552f",
    "content": "REGULAR MEETING MINUTES The Charter Township of 'Ypsilanti'
Board of Trustees held a Regular Board Meeting on January 16, 2018 at 9:30
a.m. The minutes were approved at the February 6, 2018 Regular Meeting and
are available in the Clerk's Office (5152 Collingwood, Detroit, Ml, 48204)
or can be viewed online at www.ytown.org. If you have any questions, please
call (734) 484-4700. Karen Lovejoy Roe, Clerk Charter Township of
Ypsilanti",
    "fieldValues": [
        {
            "noticeTypeCustomFieldId":
"386c75c6-6fc0-4023-a395-86ab58564919",
```

```json
            "address": null,
            "text": "The Charter Township of 'Ypsilanti'",
            "date": null,
            "dateTime": null
        },
        {
            "noticeTypeCustomFieldId":
"d511e8ff-59ab-4aa8-9c6a-2c7a659e0c23",
            "address": null,
            "text": null,
            "date": "2018-02-06",
            "dateTime": null
        },
        {
            "noticeTypeCustomFieldId":
"4c8f1e75-a789-4eef-8a64-0392b34c5cd6",
            "address": null,
            "text": null,
            "date": null,
            "dateTime": "2019-03-07 10:50"
        },
        {
            "noticeTypeCustomFieldId":
"c59a461f-3968-4ad5-9e3c-24b4cb8b0b2e",
            "address": {
                "street": "5152 Collingwood",
                "locality": "Detroit",
                "region": "Ml",
                "postalCode": "48204",
                "country": "US"
            },
            "text": null,
            "date": null,
            "dateTime": null
        }
    ],
    "publicationDates": [
        {
            "date": "2019-03-08 10:51"
        },
        {
            "date": "2019-03-09 10:51"
        }
    ],
    "files": [
        "20180525150254.pdf"
    ]
}
```

Created notice for this request:

Notice creation Request

Notice creation request can be found in the Swagger documentation in AdminNotices section as "POST /api/v1/admin/notices" request:

View Publications

You will be able to view all **Publications** in the system:

View System Settings

As Publication Admin you will be able to go to **System settings**. It will give you ability to generate API Keys, iFrames and access to technical documentation:

How to generate API Keys?

To generate API Keys go to **System settings** > **API Keys Generation.**

If keys were not generated previously you will see following text in this section:

To generate API Keys click on "Generate API Keys" button. Keys will be generated and displayed:

You can delete existing API keys or generate new API Keys (this action will delete old keys and generate new ones).

How to generate IFrame?

To generate IFrame with search results for selected Publications go to **System settings** > **Generate Iframe** section.
Next you need to choose publications:

NOTE: No publication restrictions here!

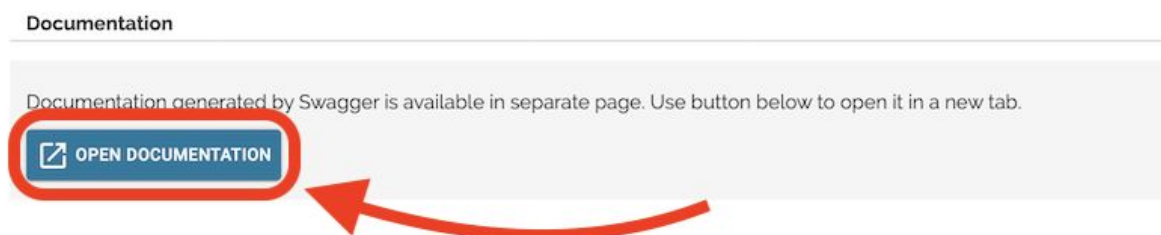When you will select publications Iframe will be generated and theirs ids will be added in preview of code below:

To copy IFrame code click "Copy" button - code will be copied to clipboard:
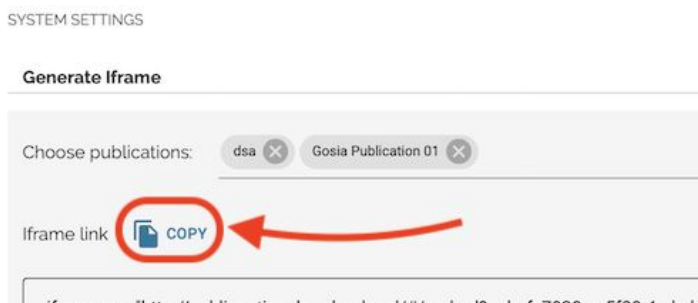
How to use Swagger documentation?

Technical documentation is generated by Swagger and is available in **System settings** > **Open documentation**:

You will be able to see all needed endpoints:

If you want to use routes which needs authorization (error 401 Unauthorized in response) you need to login and get access token after successful sign in (**Auth** > **/api/v1/auth/login**):

1. Click on 'Example value' - it will fill body with proper text.
   NOTE: Delete last parameter "pushNotificationToken" we will don't need it now.
2. Fill email and password fields.
3. Click "Try it out!" button.

4. Copy "access_token" value from Response Headers.

5. Paste "access_token" value with "Bearer " prefix into "api_key" field in the top right corner of page:

Now you will be able to use authorized routes.

NOTE: Please remember about your user role limitations! Eg. you will not be able to get users list.

Which requests needs token authorization?

Some of the requests in the Swagger documentation needs a token authorization (described above).
Here is a list of sections and specific requests which needs it: