

Public Notices API User

This guide was created on **Version: 0.27.0 (api: 0.20.1)**.

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:

NOTICE TYPES / SUMMARY

Notice type name Agata 1

1

Universal notice fields	
Upload file	Text input
Title	Text input
Publication	Publication
County	County
Dates of publication	Range of dates
Content	Text area

2

Template Specific Fields		
text	Text input	<input type="checkbox"/> Required
address	Address	<input type="checkbox"/> Required
date	Date	<input type="checkbox"/> Required
datetime	Date and time	<input type="checkbox"/> Required

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	<input type="checkbox"/> Required
Meeting date	Date	<input type="checkbox"/> Required
Meeting date and time	Date and time	<input type="checkbox"/> Required
Address	Address	<input type="checkbox"/> 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	<input type="checkbox"/> Required
Meeting date	Date	<input type="checkbox"/> Required
Meeting date and time	Date and time	<input type="checkbox"/> Required
Address	Address	<input type="checkbox"/> Required

Those field types will look like this in Notice creator:

Template specific fields

Unit of government	Text input	11/255
Meeting date	Date	
Meeting date and time	Date and time	
Address		
Street Address		
5152 Collingwood		
City	State	
Detroit	MI	
Postal Code	Country	
48204	US	

3. “Required” option:

Template Specific Fields

Unit of government	Text input	<input type="checkbox"/> Required
Meeting date	Date	<input type="checkbox"/> Required
Meeting date and time	Date and time	<input type="checkbox"/> Required
Address	Address	<input type="checkbox"/> 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”.

Michigan Public Notices Administration Panel

API USER Gosia

NOTICES / CREATE

General fields

Title *

Notice type *

Publication *

Counties

Not set

Attached file

Drop file or click here to upload
Accepted extensions: txt, pdf

Template specific fields

Please select a notice type first.

Publication dates

+ ADD NEW DATE

Notice Content

Content *

PUBLISH SHOW REQUEST PREVIEW CANCEL SAVE

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

NOTICES / CREATE

General fields

Title *

Notice 003 10/255

Notice type *

Meeting Minutes

If you change notice type, all template specific fields values will be cleared.

Publication *

Gosia Publication 01

Counties

Alcona Alger Allegan Alpena Antrim Arenac

Attached file

Drop file or click here to upload
Accepted extensions: txt, pdf

Template specific fields

Unit of government

The Charter Township of Ypsilanti 36/255

Meeting date

02/06/2018

Meeting date and time

01/16/2018, 09:30 AM

Address

Street Address

5152 Collingwood

City

Detroit

State

MI

Postal Code

48204

Country

US

Publication dates

+ ADD NEW DATE

Notice Content

Content *

CHARTER TOWNSHIP OF YPSILANTI JANUARY 16, 2018

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 2018 Regular Meeting and are available in the Clerk's Office (5152 Collingwood, Detroit, MI, 48204) or can be viewed online at www.ypsi.org. If you have any questions, please call (734) 484-4700. Karen Lovejoy Roe, Clerk Charter Township of Ypsilanti

PUBLISH SHOW REQUEST PREVIEW CANCEL SAVE

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
    },
    {

```

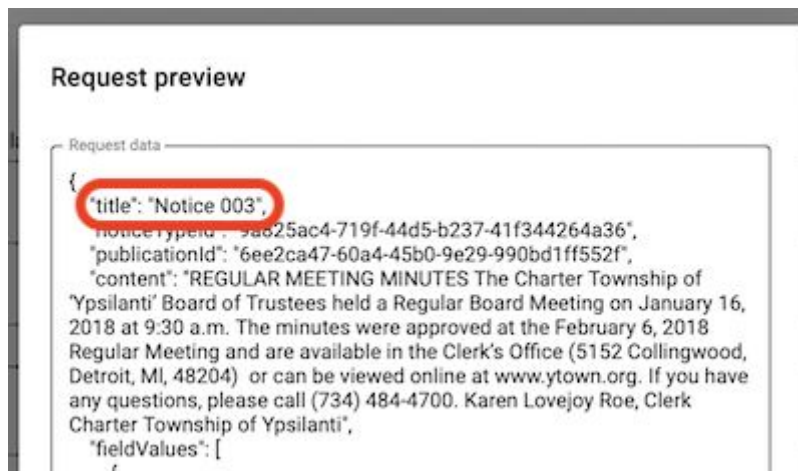
CLOSE  COPY

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:

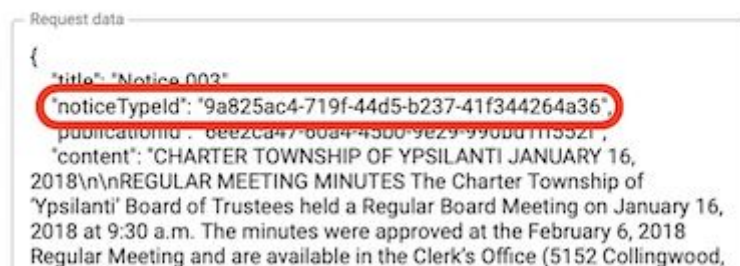


NoticeTypeId

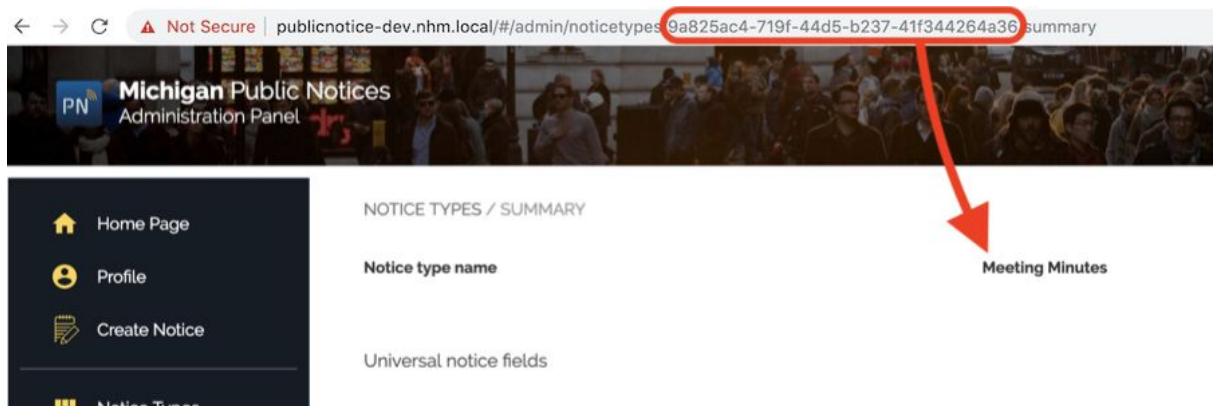
It is a text field which requires id number existing in Notice types IDs.
You can get it from:

- Notice Creator show request preview

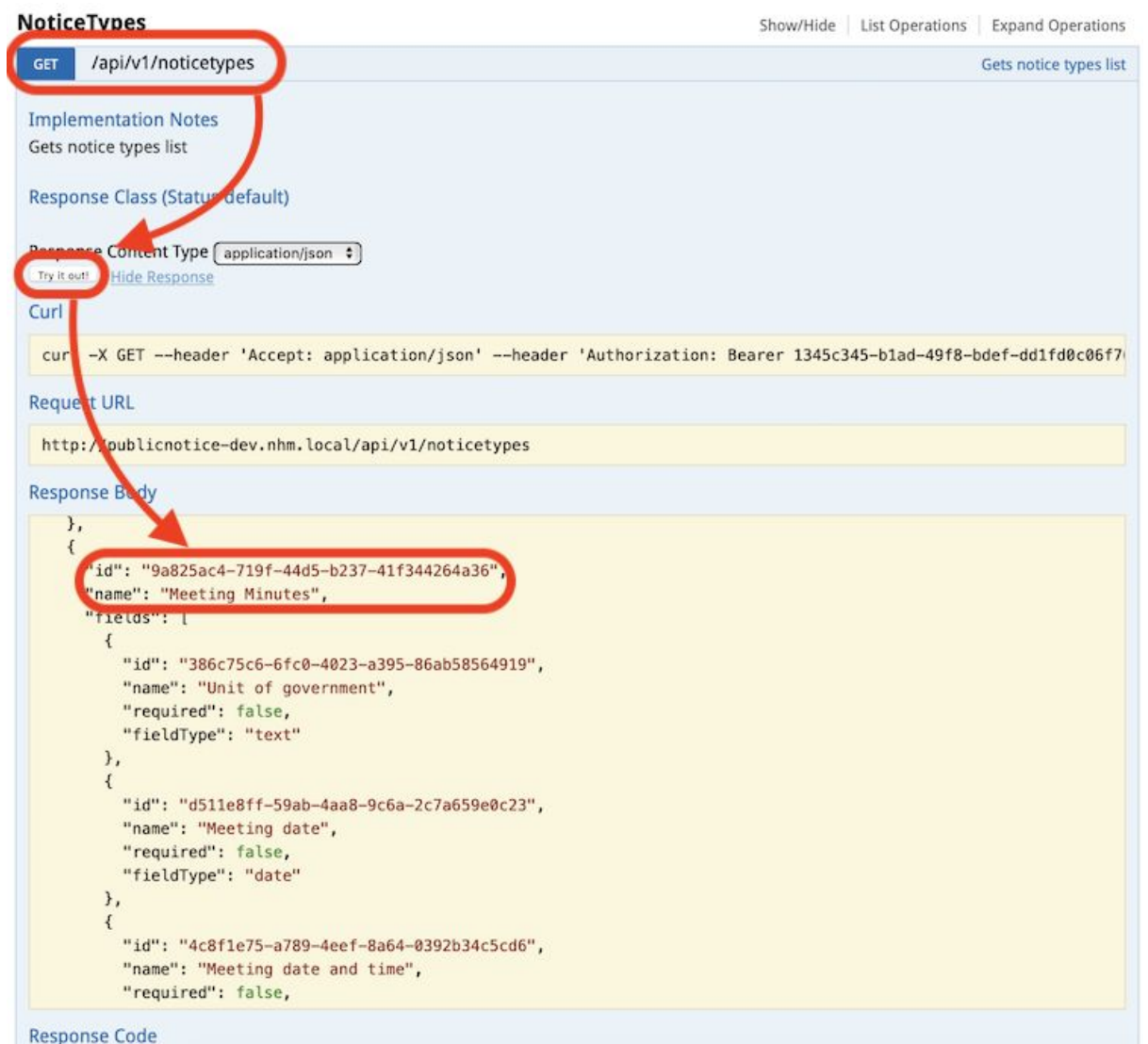
Request preview



- 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

```
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,
```

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

Request data
{
  "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, 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",
```

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

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:

NoticeTypes Show/Hide List Operations Expand Operations

GET `/api/v1/noticetypes` Gets notice types list

GET `/api/v1/noticetypes/{id}` Gets single notice type

Implementation Notes
Gets single notice type

Response Class (Status default)

Response Content Type application/json

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	9a825ac4-719f-44d5-b237-41f344264a36		path	string

[Try it out!](#) [Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Bearer 1345c345-b1ad-49f8-bdef-dd1fd0c06f7'
```

Request URL

```
https://publicnotice-dev.nhm.local/api/v1/noticetypes/9a825ac4-719f-44d5-b237-41f344264a36
```

Response Body

```
{
  "id": "9a825ac4-719f-44d5-b237-41f344264a36",
  "name": "Meeting Minutes",
  "fields": [
    {
      "id": "386c75c6-6fc0-4023-a395-86ab58564919",
      "name": "Unit of government",
      "required": false,
      "fieldType": "text"
    },
    {
      "id": "d511e8ff-59ab-4aa8-9c6a-2c7a659e0c23",
      "name": "Meeting date",
      "required": false,
      "fieldType": "date"
    },
    {
      "id": "4c8f1e75-a789-4eef-8a64-0392b34c5cd6",
      "name": "Meeting date and time",
      "required": false,

```

Response Code

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):

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

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, 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
    },
    {
        "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": "MI",
            "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:

NOTICES / SUMMARY

 PUBLISH  EDIT NOTICE

General fields

Title Notice 003
Publication Gosia Publication 01
Notice type Meeting Minutes
Status  Draft
Submission type Standard (web, mobile)
Counties Alcona Alger Allegan Alpena Antrim Arenac

Attached file

 20180525150254.pdf

Template specific fields

Unit of government The Charter Township of "Ypsilanti" 35/255
Meeting date 02/06/2018
Meeting date and time 03/07/2019, 10:50 AM
Address
Street Address 5152 Collingwood
City Detroit State MI
Postal Code 48204 Country US

Publication dates

 3/8/2019 Draft
 3/9/2019 Draft

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, 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

Notice creation Request

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

AdminNotices

Show/Hide | List Operations | Expand Operations

GET /api/v1/admin/notices Gets notices list

POST /api/v1/admin/notices Create a notice

Implementation Notes

Creates a notice

Response Class (Status default)

Response Content Type application/json

Parameters

Parameter	Value	Description	Parameter Type	Data Type
body	<div><div>Parameter content type: application/json</div></div>		body	<div>Model</div> <div>Example Value</div> <pre>{ "noticeTypeId": "string", "publicationId": "string", "title": "string", "content": "string", "free": true, "fieldValues": [{ "noticeTypeCustomFieldId": "string", "address": { "street": "string" } }] }</pre>

Try it out!

View Publications

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

The screenshot shows the Michigan Public Notices Administration Panel. The left sidebar contains navigation links: Home Page, Profile, Create Notice, Notice Types, Notices, Publications (highlighted), and System Settings. The main content area is titled 'PUBLICATIONS' and displays a table of publications. The table has columns for Name, Actions, Active, Publication Area, Payment method, and Payment period. The table lists 10 publications, including 'Monika r publication', 'Pio Publication', 'Agata Publication 2', 'iOS Test', 'News MR 0502', 'Agata publication 4', 'Agata Publication 5', 'PC Publication A', 'Publication 19.02', and 'pc publication 01'. The table is paginated, showing 1-10 of 36 items.

Name	Actions	Active	Publication Area	Payment method	Payment period
Monika r publication		Yes	Arenac	Credit Card	Monthly
Pio Publication		Yes	Antrim	Credit Card	Monthly
Agata Publication 2		Yes	Benzie	Credit Card	Monthly
iOS Test		Yes	Alcona	Credit Card	Monthly
News MR 0502		Yes	Allegan	Credit Card	Monthly
Agata publication 4		Yes	Bay	Credit Card	Monthly
Agata Publication 5		Yes	Arenac	Credit Card	Monthly
PC Publication A		Yes	Baraga	Credit Card	Weekly
Publication 19.02		Yes	Arenac	Credit Card	Monthly
pc publication 01		Yes	Baraga	Credit Card	Monthly

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:

The screenshot shows the Michigan Public Notices Administration Panel. The left sidebar contains navigation links: Home Page, Profile, Create Notice, Notice Types, Notices, Publications, and System Settings (highlighted). The main content area is titled 'SYSTEM SETTINGS' and contains three sections: 'API Keys Generation', 'Generate Iframe', and 'Documentation'. The 'API Keys Generation' section has a button to 'GENERATE API KEYS'. The 'Generate Iframe' section has a dropdown menu for 'Choose publications:' and a button to 'COPY' the 'Iframe link'. The 'Documentation' section has a button to 'OPEN DOCUMENTATION'.

API Keys Generation

API Keys not generated, click on Generate API Keys button to get it.

Generate Iframe

Choose publications:

Iframe link [COPY](#)

```
<iframe src="http://publicnotice-dev.nhm.local/#/embed?" frameborder="0" allowfullscreen width="1024" height="768"></iframe>
```

Documentation

Documentation generated by Swagger is available in separate page. Use button below to open it in a new tab.

[OPEN 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:

SYSTEM SETTINGS

API Keys Generation

API Keys not generated, click on Generate API Keys button to get it.

GENERATE API KEYS

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

API Keys Generation

Generated at: 03/06/2019, 03:37 PM

API Client: e50bf899-21dd-4dca-8f96-2f6af02ba7e4

API Secret:

SHOW SECRET

DELETE GENERATE NEW API KEYS

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:

SYSTEM SETTINGS

Generate Iframe

Choose publications: dsa

Gosia Publication 01

Iframe link COPY

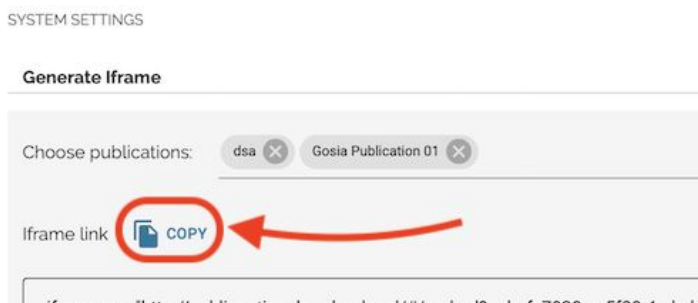
```
<iframe src="http://publicnotice-dev.nhm.local/#/embed?" frameborder="0" allowfullscreen width="1024" height="768">
</iframe>
```

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:

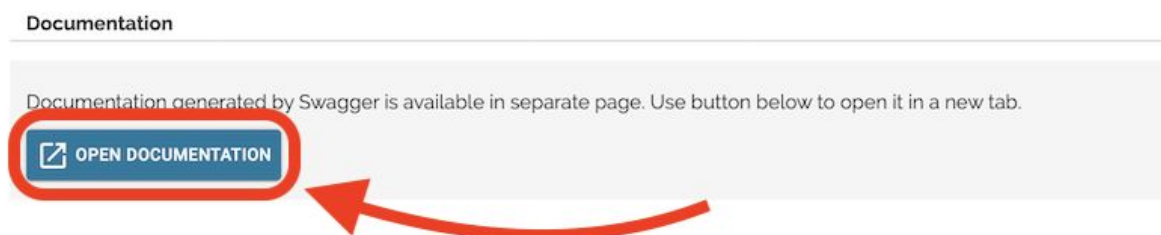


To copy IFrame code click “Copy” button - code will be copied to clipboard:



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:

PublicNotices API Documentation

ApiKeys		Show/Hide	List Operations	Expand Operations
DELETE	/api/v1/api_keys			Delete API key for a user.
GET	/api/v1/api_keys			Get API key for a user.
POST	/api/v1/api_keys			Generate API key for a user.
Counties		Show/Hide	List Operations	Expand Operations
GET	/api/v1/counties			Get list of all Counties in the system
NoticeTypes		Show/Hide	List Operations	Expand Operations
GET	/api/v1/noticetypes			Gets notice types list
GET	/api/v1/noticetypes/{id}			Gets single notice type
Publications		Show/Hide	List Operations	Expand Operations
GET	/api/v1/publications			Gets publications list

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**):

POST

/api/v1/auth/login

Log in

Implementation Notes

Logs user in

Response Class (Status default)

Response Content Type application/json

Parameters

Parameter	Value	Description	Parameter Type	Data Type
body	<div> <div> <div>2</div> <div> <pre>{ "email": "Type your email here", "password": "Type your password here" }</pre> </div> </div> </div>		body	<div> <div>1</div> <div> <div>Model</div> <div>Example Value</div> <pre>{ "email": "string", "password": "string", "pushNotificationToken": "string" }</pre> </div> </div>

3

Parameter content type: application/json

Try it out!

Hide Response

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