
OpenKnesset Documentation

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Open Knesset is an Open Source project for an online, open parliament. OK started with a scraping script that crawls the ancient *official site* and parses its data. Next, a Django based web site was developed and released in 2010.

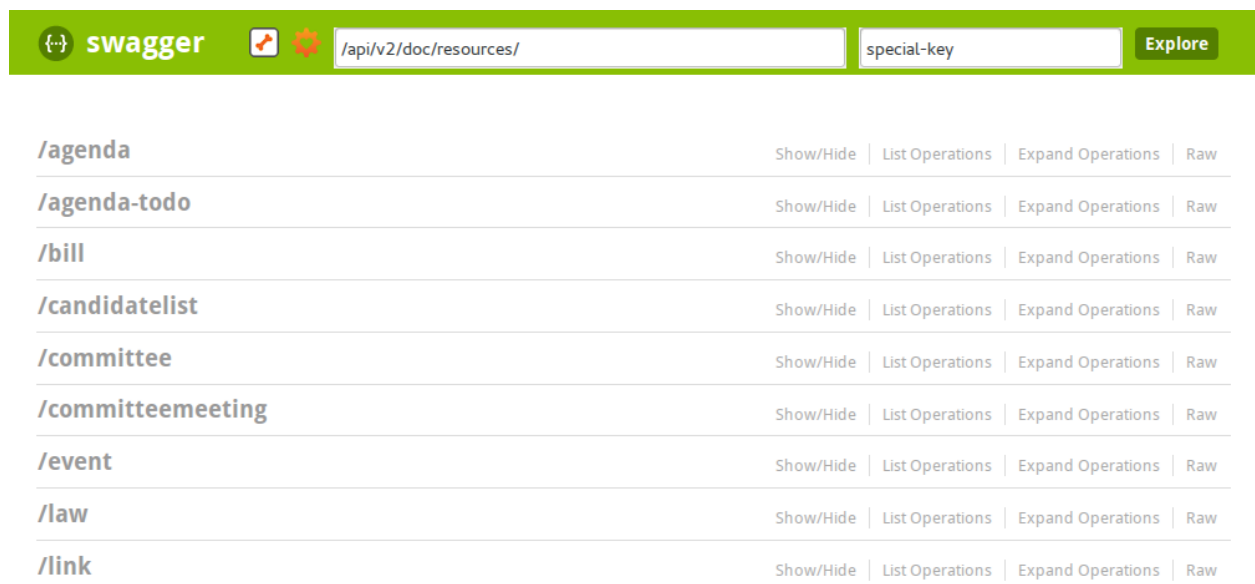
The project has grown from a base of parliamentary data - votes, bill proposals and protocols - to include user content - tags, comments, annotations and agendas - and smart displays to simplify consumption.

Contents:

Swagger generated API documentation and interaction

Access the swagger based API docs using <https://okneset.org/api/v2/doc/>. It enables browsing the API and call it passing parameters.

See the following screen shots for some examples:



The screenshot shows the Swagger UI interface. At the top, there is a green header with the Swagger logo, a search bar containing the URL `/api/v2/doc/resources/`, and a parameter input field with the value `special-key` and an `Explore` button. Below the header, a list of API endpoints is displayed, each with a set of actions (Show/Hide, List Operations, Expand Operations, Raw) to its right.

Endpoint	Show/Hide	List Operations	Expand Operations	Raw
<code>/agenda</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/agenda-todo</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/bill</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/candidatelist</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/committee</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/committeemeeting</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/event</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/law</code>	Show/Hide	List Operations	Expand Operations	Raw
<code>/link</code>	Show/Hide	List Operations	Expand Operations	Raw

Fig. 1.1: Swagger based api listing

/event	Show/Hide	List Operations	Expand Operations	Raw
/law	Show/Hide	List Operations	Expand Operations	Raw
/link	Show/Hide	List Operations	Expand Operations	Raw
/member	Show/Hide	List Operations	Expand Operations	Raw
GET /api/v2/member/	Retrieve a list of ח"כ			
GET /api/v2/member/{id}/	Retrieve a single ח"כ by ID			
/member-agendas	Show/Hide	List Operations	Expand Operations	Raw
/member-bills	Show/Hide	List Operations	Expand Operations	Raw
/party	Show/Hide	List Operations	Expand Operations	Raw
/posts	Show/Hide	List Operations	Expand Operations	Raw
/protocolpart	Show/Hide	List Operations	Expand Operations	Raw
/tag	Show/Hide	List Operations	Expand Operations	Raw

Fig. 1.2: Member API expanded

Response Content Type
 application/json

Parameters

Parameter	Value	Description	Data Type
id	114	ID of resource	int

Try it out! [Hide Response](#)

Request URL
 /api/v2/member/114/?api_key=special-key

Response Body

```
{
  "residence_economy": 4,
  "links": [
    {
      "url": "https://www.facebook.com/ReuvenRivlin",
      "title": "דף הפייסבוק של ראובן ריבלין"
    }
  ]
}
```

Fig. 1.3: Get member API call

Interacting With The API

Tip: Version 2 of the API is served using `django-tastypie`. This section is mostly a verbatim copy of their [interacting page](#).

We'll assume that you have `cURL` installed on your system (generally available on most modern Mac & Linux machines), but any tool that allows you to control headers & bodies on requests will do.

Let's fire up a shell & start exploring the API!

Front Matter

Tastypie tries to treat all clients & all serialization types as equally as possible. It also tries to be a good 'Net citizen & respects the HTTP method used as well as the `Accepts` headers sent. Between these two, you control all interactions with Tastypie through relatively few endpoints.

Warning: Should you try these URLs in your browser, be warned you **WILL** need to append `?format=json` (or `xml` or `yaml`) to the URL. Your browser requests `application/xml` before `application/json`, so you'll always get back XML if you don't specify it.

That's also why it's recommended that you explore via `curl`, because you avoid your browser's opinionated requests & get something closer to what any programmatic clients will get.

Fetching Data

Since reading data out of an API is a very common activity (and the easiest type of request to make), we'll start there. Tastypie tries to expose various parts of the API & interlink things within the API (HATEOAS).

Api-Wide

We'll start at the highest level:

```
curl http://oknesset.org/api/v2/
```

You'll get back something like:

```
{
  "agenda": {
    "list_endpoint": "/api/v2/agenda/",
    "schema": "/api/v2/agenda/schema/"
  },
  "agenda-todo": {
    "list_endpoint": "/api/v2/agenda-todo/",
    "schema": "/api/v2/agenda-todo/schema/"
  },
  "bill": {
    "list_endpoint": "/api/v2/bill/",
    "schema": "/api/v2/bill/schema/"
  },
  "law": {
```

```
    "list_endpoint": "/api/v2/law/",
    "schema": "/api/v2/law/schema/"
  },
  "link": {
    "list_endpoint": "/api/v2/link/",
    "schema": "/api/v2/link/schema/"
  },
  "member": {
    "list_endpoint": "/api/v2/member/",
    "schema": "/api/v2/member/schema/"
  },
  "member-agendas": {
    "list_endpoint": "/api/v2/member-agendas/",
    "schema": "/api/v2/member-agendas/schema/"
  },
  "member-bills": {
    "list_endpoint": "/api/v2/member-bills/",
    "schema": "/api/v2/member-bills/schema/"
  },
  "party": {
    "list_endpoint": "/api/v2/party/",
    "schema": "/api/v2/party/schema/"
  },
  "video": {
    "list_endpoint": "/api/v2/video/",
    "schema": "/api/v2/video/schema/"
  }
}
```

This lists out all the different resources provided by the API. Each one is listed by the resource name and provides the `list_endpoint` & the `schema` for the resource.

Note that these links try to direct you to other parts of the API, to make exploration/discovery easier. We'll use these URLs in the next several sections.

Inspecting The Resource's Schema

Since the api-wide view gave us a `schema` URL, let's inspect that next. We'll use the `member` resource. Again, a simple GET request by `curl`:

```
curl http://oknesset.org/api/v2/member/schema/
```

This time, we get back a lot more data (snipped for clarity):

```
{
  "allowed_detail_http_methods": [
    "get"
  ],
  "allowed_list_http_methods": [
    "get"
  ],
  "default_format": "application/json",
  "default_limit": 1000,
  "fields": {
    "agendas_uri": {
```

```
    "blank": false,
    "default": "No default provided.",
    "help_text": "Unicode string data. Ex: \"Hello World\"",
    "nullable": false,
    "readonly": false,
    "type": "string",
    "unique": false
  },
  "average_monthly_committee_presence": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Floating point numeric data. Ex: 26.73",
    "nullable": true,
    "readonly": false,
    "type": "float",
    "unique": false
  },
  "average_weekly_presence_hours": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Floating point numeric data. Ex: 26.73",
    "nullable": true,
    "readonly": false,
    "type": "float",
    "unique": false
  },
  "bills_stats_approved": {
    "blank": false,
    "default": 0,
    "help_text": "Integer data. Ex: 2673",
    "nullable": false,
    "readonly": false,
    "type": "integer",
    "unique": false
  },
  "bills_stats_first": {
    "blank": false,
    "default": 0,
    "help_text": "Integer data. Ex: 2673",
    "nullable": false,
    "readonly": false,
    "type": "integer",
    "unique": false
  },
  "is_current": {
    "blank": true,
    "default": true,
    "help_text": "Boolean data. Ex: True",
    "nullable": false,
    "readonly": false,
    "type": "boolean",
    "unique": false
  },
  "name": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Unicode string data. Ex: \"Hello World\"",
    "nullable": false,
```

```
    "readonly": false,
    "type": "string",
    "unique": false
  },
  "number_of_children": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Integer data. Ex: 2673",
    "nullable": true,
    "readonly": false,
    "type": "integer",
    "unique": false
  },
  "party_name": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Unicode string data. Ex: \"Hello World\"",
    "nullable": false,
    "readonly": false,
    "type": "string",
    "unique": false
  },
  "party_url": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Unicode string data. Ex: \"Hello World\"",
    "nullable": false,
    "readonly": false,
    "type": "string",
    "unique": false
  },
  "year_of_aliyah": {
    "blank": false,
    "default": "No default provided.",
    "help_text": "Integer data. Ex: 2673",
    "nullable": true,
    "readonly": false,
    "type": "integer",
    "unique": false
  }
},
"filtering": {
  "is_current": 1,
  "name": 1
},
"ordering": [
  "name",
  "is_current",
  "bills_stats_proposed",
  "bills_stats_pre",
  "bills_stats_first",
  "bills_stats_approved"
]
}
```

This lists out the `default_format` this resource responds with, the `fields` on the resource & the `filtering` options available. This information can be used to prepare the other aspects of the code for the data it can obtain &

ways to filter the resources.

Getting A Collection Of Resources

Let's get down to fetching live data. From the api-wide view, we'll hit the `list_endpoint` for member:

```
curl http://oknesset.org/api/v2/member/
```

We get back data that looks like (lot of objects snipped for clarity):

```
{
  "meta": {
    "limit": 1000,
    "next": null,
    "offset": 0,
    "previous": null,
    "total_count": 128
  },
  "objects": [
    {
      "agendas_uri": "/api/v2/member-agendas/214/",
      "average_monthly_committee_presence": 0.16,
      "average_weekly_presence_hours": 6.1,
      "bills_stats_approved": 0,
      "bills_stats_first": 0,
      "bills_stats_pre": 0,
      "bills_stats_proposed": 3,
      "bills_uri": "/api/v2/bill/?proposer=214",
      "current_role_descriptions": " ",
      "date_of_birth": "1958-06-05",
      "date_of_death": null,
      "email": "aliberman@knesset.gov.il",
      "end_date": null,
      "family_status": "",
      "fax": "02-6408921",
      "gender": "",
      "id": 214,
      "img_url": "http://www.knesset.gov.il/mk/images/members/liberman_avigdor-
↪s.jpg",
      "is_current": true,
      "name": " ",
      "number_of_children": 3,
      "party_name": " ",
      "party_url": "/party/5/%D7%99%D7%A9%D7%A8%D7%90%D7%9C-%D7%91%D7%99%D7%AA
↪%D7%A0%D7%95/",
      "phone": "02-6408388",
      "place_of_birth": "",
      "place_of_residence": "",
      "place_of_residence_lat": "31.64533",
      "place_of_residence_lon": "35.244065",
      "residence centrality": 5,
      "residence_economy": 4,
      "resource_uri": "/api/v2/member/214/",
      "start_date": "2009-02-24",
      "year_of_aliyah": 1978
    },
  ],
}
```

```

    "agendas_uri": "/api/v2/member-agendas/771/",
    "average_monthly_committee_presence": 0.24,
    "average_weekly_presence_hours": 16,
    "bills_stats_approved": 1,
    "bills_stats_first": 1,
    "bills_stats_pre": 3,
    "bills_stats_proposed": 17,
    "bills_uri": "/api/v2/bill/?proposer=771",
    "current_role_descriptions": null,
    "date_of_birth": "1952-12-14",
    "date_of_death": null,
    "email": "adichter@knesset.gov.il",
    "end_date": null,
    "family_status": "",
    "fax": "02-6496404",
    "gender": "",
    "id": 771,
    "img_url": "http://www.knesset.gov.il/mk/images/members/dicter_abraham-s.
↪ jpg",
    "is_current": true,
    "name": " () ",
    "number_of_children": 3,
    "party_name": "",
    "party_url": "/party/6/%D7%A7%D7%93%D7%99%D7%9E%D7%94/",
    "phone": "02-6408515",
    "place_of_birth": ", ",
    "place_of_residence": "",
    "place_of_residence_lat": "31.6666667",
    "place_of_residence_lon": "34.5666667",
    "residence centrality": 6,
    "residence_economy": 5,
    "resource_uri": "/api/v2/member/771/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/797/",
    "average_monthly_committee_presence": 2.08,
    "average_weekly_presence_hours": 9.2,
    "bills_stats_approved": 0,
    "bills_stats_first": 0,
    "bills_stats_pre": 0,
    "bills_stats_proposed": 13,
    "bills_uri": "/api/v2/bill/?proposer=797",
    "current_role_descriptions": null,
    "date_of_birth": "1948-01-15",
    "date_of_death": null,
    "email": "abraverman@knesset.gov.il",
    "end_date": null,
    "family_status": "",
    "fax": "",
    "gender": "",
    "id": 797,
    "img_url": "http://www.knesset.gov.il/mk/images/members/braverman_avishay-
↪ s.jpg",
    "is_current": true,
    "name": " ",
    "number_of_children": 2,

```

```

    "party_name": "",
    "party_url": "/party/3/%D7%94%D7%A2%D7%91%D7%95%D7%93%D7%94/",
    "phone": "02-675-3333",
    "place_of_birth": "",
    "place_of_residence": " ",
    "place_of_residence_lat": "32.0554",
    "place_of_residence_lon": "34.7595",
    "residence_centrality": 10,
    "residence_economy": 8,
    "resource_uri": "/api/v2/member/797/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/800/",
    "average_monthly_committee_presence": 1.08,
    "average_weekly_presence_hours": 16.2,
    "bills_stats_approved": 0,
    "bills_stats_first": 1,
    "bills_stats_pre": 2,
    "bills_stats_proposed": 21,
    "bills_uri": "/api/v2/bill/?proposer=800",
    "current_role_descriptions": null,
    "date_of_birth": "1959-02-02",
    "date_of_death": null,
    "email": "isarsur@knesset.gov.il",
    "end_date": null,
    "family_status": "",
    "fax": "02-6408910",
    "gender": "",
    "id": 800,
    "img_url": "http://www.knesset.gov.il/mk/images/members/sarsur_ibrahim-s.
↪ jpg",
    "is_current": true,
    "name": " ",
    "number_of_children": 1,
    "party_name": "\\-\\",
    "party_url": "/party/10/%D7%A8%D7%A2%22%D7%9E-%D7%AA%D7%A2%22%D7%9C/",
    "phone": "02-6408415",
    "place_of_birth": " ",
    "place_of_residence": " ",
    "place_of_residence_lat": "32.1151",
    "place_of_residence_lon": "34.9751",
    "residence_centrality": 7,
    "residence_economy": 3,
    "resource_uri": "/api/v2/member/800/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  }
]
}

```

Some things to note:

- By default, you get a paginated set of objects (1000 per page in the above example).
- In the meta, you get a previous & next. If available, these are URIs to the previous & next pages.
- You get a list of resources/objects under the `objects` key.

- Each resources/object has a resource_uri field that points to the detail view for that object.
- The foreign key to agend is represented as a URI by agenda_uri.

If you want to skip paginating, simply run:

```
curl http://oknesset.org/api/v2/member/?limit=0
```

Be warned this will return all objects, so it may be a CPU/IO-heavy operation on large datasets.

Let's try filtering on the resource. Since we know we can filter on the is_current (from filters in the schema), we'll fetch all members which aren't current (note total_count in meta):

```
curl http://oknesset.org/api/v2/member/?is_current=False
```

We get back what we asked for:

```
{
  "meta": {
    "limit": 1000,
    "next": null,
    "offset": 0,
    "previous": null,
    "total_count": 8
  },
  "objects": [
    {
      "agendas_uri": "/api/v2/member-agendas/100/",
      "average_monthly_committee_presence": 15.84,
      "average_weekly_presence_hours": 11,
      "bills_stats_approved": 3,
      "bills_stats_first": 4,
      "bills_stats_pre": 13,
      "bills_stats_proposed": 120,
      "bills_uri": "/api/v2/bill/?proposer=100",
      "current_role_descriptions": null,
      "date_of_birth": "1961-07-11",
      "date_of_death": null,
      "email": "pinespaz@knesset.gov.il",
      "end_date": "2010-01-10",
      "family_status": "",
      "fax": "02-6496172",
      "gender": "",
      "id": 100,
      "img_url": "http://www.knesset.gov.il/mk/images/members/pinespaz_ofir-s.
↪ jpg",
      "is_current": false,
      "name": " -",
      "number_of_children": 2,
      "party_name": "",
      "party_url": "/party/3/%D7%94%D7%A2%D7%91%D7%95%D7%93%D7%94/",
      "phone": "02-6408809",
      "place_of_birth": " , ",
      "place_of_residence": "",
      "place_of_residence_lat": null,
      "place_of_residence_lon": null,
      "residence_centrality": 8,
      "residence_economy": 8,
      "resource_uri": "/api/v2/member/100/",
```



```

    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/730/",
    "average_monthly_committee_presence": 2.93,
    "average_weekly_presence_hours": 10.1,
    "bills_stats_approved": 0,
    "bills_stats_first": 0,
    "bills_stats_pre": 3,
    "bills_stats_proposed": 18,
    "bills_uri": "/api/v2/bill/?proposer=730",
    "current_role_descriptions": null,
    "date_of_birth": "1952-09-08",
    "date_of_death": null,
    "email": "eaflalo@knesset.gov.il",
    "end_date": "2012-01-25",
    "family_status": "",
    "fax": "02-6496164",
    "gender": "",
    "id": 730,
    "img_url": "http://www.knesset.gov.il/mk/images/members/aflalo_eli-s.jpg",
    "is_current": false,
    "name": " ",
    "number_of_children": 3,
    "party_name": "",
    "party_url": "/party/6/%D7%A7%D7%93%D7%99%D7%9E%D7%94/",
    "phone": "02-6408468",
    "place_of_birth": " ",
    "place_of_residence": "",
    "place_of_residence_lat": "32.6077778",
    "place_of_residence_lon": "35.2897222",
    "residence centrality": 5,
    "residence_economy": 5,
    "resource_uri": "/api/v2/member/730/",
    "start_date": "2009-02-24",
    "year_of_aliyah": 1962
  },
  {
    "agendas_uri": "/api/v2/member-agendas/16/",
    "average_monthly_committee_presence": 0.32,
    "average_weekly_presence_hours": 6.1,
    "bills_stats_approved": 0,
    "bills_stats_first": 0,
    "bills_stats_pre": 1,
    "bills_stats_proposed": 13,
    "bills_uri": "/api/v2/bill/?proposer=16",
    "current_role_descriptions": null,
    "date_of_birth": "1943-04-30",
    "date_of_death": "2011-03-18",
    "email": "zeevb@knesset.gov.il",
    "end_date": "2011-03-18",
    "family_status": "",
    "fax": "02-6496062",
    "gender": "",
    "id": 16,
    "img_url": "http://www.knesset.gov.il/mk/images/members/boim_zev-s.jpg",
    "is_current": false,

```

```

    "name": " ",
    "number_of_children": 3,
    "party_name": "",
    "party_url": "/party/6/%D7%A7%D7%93%D7%99%D7%9E%D7%94/",
    "phone": "02-6408411",
    "place_of_birth": " ",
    "place_of_residence": "",
    "place_of_residence_lat": "32.1682",
    "place_of_residence_lon": "34.8125",
    "residence_centrality": 8,
    "residence_economy": 8,
    "resource_uri": "/api/v2/member/16/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/5/",
    "average_monthly_committee_presence": 20.55,
    "average_weekly_presence_hours": 18.9,
    "bills_stats_approved": 3,
    "bills_stats_first": 3,
    "bills_stats_pre": 14,
    "bills_stats_proposed": 111,
    "bills_uri": "/api/v2/bill/?proposer=5",
    "current_role_descriptions": null,
    "date_of_birth": "1940-03-26",
    "date_of_death": null,
    "email": "horon@knesset.gov.il",
    "end_date": "2011-03-25",
    "family_status": "",
    "fax": "02-6408904",
    "gender": "",
    "id": 5,
    "img_url": "http://www.knesset.gov.il/mk/images/members/oron_chaim-s.jpg",
    "is_current": false,
    "name": " ",
    "number_of_children": 4,
    "party_name": "",
    "party_url": "/party/11/%D7%9E%D7%A8%D7%A6/",
    "phone": "02-6408348",
    "place_of_birth": " ",
    "place_of_residence": " ",
    "place_of_residence_lat": "31.379361",
    "place_of_residence_lon": "34.871292",
    "residence_centrality": 5,
    "residence_economy": 7,
    "resource_uri": "/api/v2/member/5/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/115/",
    "average_monthly_committee_presence": 0.94,
    "average_weekly_presence_hours": null,
    "bills_stats_approved": 0,
    "bills_stats_first": 0,
    "bills_stats_pre": 0,
    "bills_stats_proposed": 0,

```

```

    "bills_uri": "/api/v2/bill/?proposer=115",
    "current_role_descriptions": null,
    "date_of_birth": "1950-04-10",
    "date_of_death": null,
    "email": "",
    "end_date": "2009-07-02",
    "family_status": "",
    "fax": "",
    "gender": "",
    "id": 115,
    "img_url": "http://www.knesset.gov.il/mk/images/members/ramon_haim-s.jpg",
    "is_current": false,
    "name": " ",
    "number_of_children": null,
    "party_name": "",
    "party_url": "/party/6/%D7%A7%D7%93%D7%99%D7%9E%D7%94/",
    "phone": "",
    "place_of_birth": " ",
    "place_of_residence": "",
    "place_of_residence_lat": null,
    "place_of_residence_lon": null,
    "residence_centrality": null,
    "residence_economy": null,
    "resource_uri": "/api/v2/member/115/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/697/",
    "average_monthly_committee_presence": 1.02,
    "average_weekly_presence_hours": 9.9,
    "bills_stats_approved": 0,
    "bills_stats_first": 0,
    "bills_stats_pre": 2,
    "bills_stats_proposed": 12,
    "bills_uri": "/api/v2/bill/?proposer=697",
    "current_role_descriptions": null,
    "date_of_birth": "1954-02-26",
    "date_of_death": null,
    "email": "ytamir@knesset.gov.il",
    "end_date": "2010-04-13",
    "family_status": "",
    "fax": "02-6753976",
    "gender": "",
    "id": 697,
    "img_url": "http://www.knesset.gov.il/mk/images/members/tamir_yuli-s.jpg",
    "is_current": false,
    "name": " ",
    "number_of_children": 2,
    "party_name": "",
    "party_url": "/party/3/%D7%94%D7%A2%D7%91%D7%95%D7%93%D7%94/",
    "phone": "02-6753437",
    "place_of_birth": "",
    "place_of_residence": " ?",
    "place_of_residence_lat": null,
    "place_of_residence_lon": null,
    "residence_centrality": 10,
    "residence_economy": 8,
  }
}

```

```

    "resource_uri": "/api/v2/member/697/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/103/",
    "average_monthly_committee_presence": 0.21,
    "average_weekly_presence_hours": 5.2,
    "bills_stats_approved": 0,
    "bills_stats_first": 0,
    "bills_stats_pre": 0,
    "bills_stats_proposed": 1,
    "bills_uri": "/api/v2/bill/?proposer=103",
    "current_role_descriptions": null,
    "date_of_birth": "1955-06-11",
    "date_of_death": null,
    "email": "mporush@knesset.gov.il",
    "end_date": "2011-02-06",
    "family_status": "",
    "fax": "02-6408914",
    "gender": "",
    "id": 103,
    "img_url": "http://www.knesset.gov.il/mk/images/members/porush_meir-s.jpg",
    "is_current": false,
    "name": " ",
    "number_of_children": 12,
    "party_name": " ",
    "party_url": "/party/4/%D7%99%D7%94%D7%93%D7%95%D7%AA-%D7%94%D7%AA%D7%95
    ↪%D7%A8%D7%94/",
    "phone": "02-6408428",
    "place_of_birth": " ",
    "place_of_residence": "",
    "place_of_residence_lat": "31.7857",
    "place_of_residence_lon": "35.2007",
    "residence centrality": 9,
    "residence_economy": 4,
    "resource_uri": "/api/v2/member/103/",
    "start_date": "2009-02-24",
    "year_of_aliyah": null
  },
  {
    "agendas_uri": "/api/v2/member-agendas/45/",
    "average_monthly_committee_presence": 0.53,
    "average_weekly_presence_hours": 14.2,
    "bills_stats_approved": 3,
    "bills_stats_first": 4,
    "bills_stats_pre": 4,
    "bills_stats_proposed": 13,
    "bills_uri": "/api/v2/bill/?proposer=45",
    "current_role_descriptions": null,
    "date_of_birth": "1957-02-26",
    "date_of_death": null,
    "email": "zhanegbi@knesset.gov.il",
    "end_date": "2010-11-09",
    "family_status": "",
    "fax": "02-6753100",
    "gender": "",

```

```

        "id": 45,
        "img_url": "http://www.knesset.gov.il/mk/images/members/hanegbi_tzahi-s.
↪jpg",
        "is_current": false,
        "name": " ",
        "number_of_children": 4,
        "party_name": "",
        "party_url": "/party/6/%D7%A7%D7%93%D7%99%D7%9E%D7%94/",
        "phone": "02-6408532",
        "place_of_birth": " ",
        "place_of_residence": " ",
        "place_of_residence_lat": "31.7994444",
        "place_of_residence_lon": "35.1488889",
        "residence_centrality": 7,
        "residence_economy": 8,
        "resource_uri": "/api/v2/member/45/",
        "start_date": "2009-02-24",
        "year_of_aliyah": null
    }
]
}

```

Where there were 128 members before, now there are only eight.

Getting A Detail Resource

Since each resource/object in the list view had a `resource_uri`, let's explore what's there:

```
curl http://oknesset.org/api/v2/member/123/
```

We get back a similar set of data that we received from the list view:

```

{
  "agendas_uri": "/api/v2/member-agendas/123/",
  "average_monthly_committee_presence": 0.51,
  "average_weekly_presence_hours": 7.6,
  "bills_stats_approved": 0,
  "bills_stats_first": 0,
  "bills_stats_pre": 0,
  "bills_stats_proposed": 0,
  "bills_uri": "/api/v2/bill/?proposer=123",
  "current_role_descriptions": " ",
  "date_of_birth": "1956-12-07",
  "date_of_death": null,
  "email": "ssimhon@knesset.gov.il",
  "end_date": null,
  "family_status": "",
  "fax": "02-6496187",
  "gender": "",
  "id": 123,
  "img_url": "http://www.knesset.gov.il/mk/images/members/simhon_shalom-s.jpg",
  "is_current": true,
  "name": " ",
  "number_of_children": 2,
  "party_name": "",

```

```
"party_url": "/party/13/%D7%94%D7%A2%D7%A6%D7%9E%D7%90%D7%95%D7%AA/",
"phone": "02-6408385",
"place_of_birth": "",
"place_of_residence": " ",
"place_of_residence_lat": "33.0738889",
"place_of_residence_lon": "35.295",
"residence_centrality": 3,
"residence_economy": 5,
"resource_uri": "/api/v2/member/123/",
"start_date": "2009-02-24",
"year_of_aliyah": null
}
```

Where this proves useful (for example) is present in the data we got back. We know the URI of the agenda associated with this member. Let's run:

```
curl http://oknesset.org/api/v2/member-agendas/123/
```

Without ever seeing any aspect of the member's agenda & just following the URI given, we get back:

```
{
  "agendas": [
    {
      "absolute_url": "/agenda/52/",
      "id": 52,
      "max": 49.08,
      "min": -22.52,
      "name": " ",
      "owner": " ",
      "party_max": 2.15,
      "party_min": -11.72,
      "rank": 79,
      "score": -4.42
    },
    {
      "absolute_url": "/agenda/9/",
      "id": 9,
      "max": 83.33,
      "min": -33.33,
      "name": " ",
      "owner": " ",
      "party_max": 0,
      "party_min": -33.33,
      "rank": 94,
      "score": -16.67
    },
    {
      "absolute_url": "/agenda/7/",
      "id": 7,
      "max": 80.95,
      "min": -71.43,
      "name": " ",
      "owner": " ",
      "party_max": -11.9,
      "party_min": -52.38,
      "rank": 69,

```

```
    "score": -21.43
  },
  {
    "absolute_url": "/agenda/1/",
    "id": 1,
    "max": 40.77,
    "min": -21.54,
    "name": " ",
    "owner": " ",
    "party_max": 11.54,
    "party_min": -0.77,
    "rank": 58,
    "score": 3.85
  },
  {
    "absolute_url": "/agenda/6/",
    "id": 6,
    "max": 32.69,
    "min": -37.82,
    "name": " ",
    "owner": " ",
    "party_max": -2.56,
    "party_min": -12.82,
    "rank": 77,
    "score": -12.18
  },
  {
    "absolute_url": "/agenda/24/",
    "id": 24,
    "max": 69.23,
    "min": -65.38,
    "name": " ",
    "owner": " ",
    "party_max": -15.38,
    "party_min": -34.62,
    "rank": 108,
    "score": -34.62
  },
  {
    "absolute_url": "/agenda/20/",
    "id": 20,
    "max": 53.33,
    "min": -21.67,
    "name": " ",
    "owner": " ",
    "party_max": 21.67,
    "party_min": 3.33,
    "rank": 80,
    "score": 5
  },
  {
    "absolute_url": "/agenda/45/",
    "id": 45,
    "max": 72.66,
    "min": -38.31,
    "name": " ",
    "owner": " ",
    "party_max": 26.42,
```

```
    "party_min": 4.23,  
    "rank": 49,  
    "score": 26.42  
  },  
  {  
    "absolute_url": "/agenda/43/",  
    "id": 43,  
    "max": 64.5,  
    "min": -35.5,  
    "name": "    ",  
    "owner": "    ",  
    "party_max": 23.67,  
    "party_min": 3.55,  
    "rank": 45,  
    "score": 15.38  
  },  
  {  
    "absolute_url": "/agenda/26/",  
    "id": 26,  
    "max": 79.02,  
    "min": -65.03,  
    "name": "    ",  
    "owner": "    ",  
    "party_max": 0,  
    "party_min": -41.96,  
    "rank": 105,  
    "score": -41.96  
  },  
  {  
    "absolute_url": "/agenda/36/",  
    "id": 36,  
    "max": 52.72,  
    "min": -23.72,  
    "name": "    ",  
    "owner": "    ",  
    "party_max": 7.08,  
    "party_min": -8.9,  
    "rank": 78,  
    "score": -0.33  
  },  
  {  
    "absolute_url": "/agenda/41/",  
    "id": 41,  
    "max": 77.7,  
    "min": -85.01,  
    "name": "    ",  
    "owner": "    ",  
    "party_max": -0.72,  
    "party_min": -27.34,  
    "rank": 67,  
    "score": -18.71  
  },  
  {  
    "absolute_url": "/agenda/39/",  
    "id": 39,  
    "max": 47.72,  
    "min": -12.21,  
    "name": "    ",
```



```

    "owner": "",
    "party_max": 12.54,
    "party_min": -6.51,
    "rank": 70,
    "score": 4.89
  },
  {
    "absolute_url": "/agenda/40/",
    "id": 40,
    "max": 51.79,
    "min": -13.85,
    "name": " ",
    "owner": " ",
    "party_max": 38.46,
    "party_min": -10.26,
    "rank": 96,
    "score": -3.08
  },
  {
    "absolute_url": "/agenda/48/",
    "id": 48,
    "max": 60.49,
    "min": -24.69,
    "name": " ",
    "owner": "",
    "party_max": 60.49,
    "party_min": 24.69,
    "rank": 34,
    "score": 24.69
  },
  {
    "absolute_url": "/agenda/53/",
    "id": 53,
    "max": 13.26,
    "min": -30.73,
    "name": " ",
    "owner": " ",
    "party_max": 6.6,
    "party_min": 2.4,
    "rank": 28,
    "score": 2.4
  },
  {
    "absolute_url": "/agenda/47/",
    "id": 47,
    "max": 83.33,
    "min": -16.67,
    "name": " / ",
    "owner": " ",
    "party_max": 16.67,
    "party_min": -16.67,
    "rank": 36,
    "score": 16.67
  },
  {
    "absolute_url": "/agenda/49/",
    "id": 49,
    "max": 87.15,

```

```
    "min": -20.08,
    "name": "  -",
    "owner": "  ",
    "party_max": 8.03,
    "party_min": -8.03,
    "rank": 87,
    "score": -3.21
  },
  {
    "absolute_url": "/agenda/55/",
    "id": 55,
    "max": 35.71,
    "min": -81.63,
    "name": "  ",
    "owner": "  \\" \\"",
    "party_max": 6.12,
    "party_min": -9.18,
    "rank": 38,
    "score": 0
  }
],
"resource_uri": "/api/v2/member-agendas/123/"
}
```

You can do a similar fetch using the following Javascript/jQuery (though be wary of same-domain policy):

```
$.ajax({
  url: 'http://oknesset.org/api/v2/member-agendas/123/',
  type: 'GET',
  accepts: 'application/json',
  dataType: 'json'
})
```

Note: TODO: PUT, POST, DELETE, PATCH and bulk operations are removed as they're disabled for now.
Should re-add and adjust to oknesset.org as they are enabled.

CHAPTER 2

API Version 1 - **Removed** - Use ApiV2

Warning: Version 1 of the API is removed after a very long period of deprecation. Please use *API Version 2*

Embedding widgets

Member

If you have a site or a blog that mentions MKs name you need to add only one line to your template to get a popup with the latest okneset data for all the MKs mentioned on a page. Just before the `</body>` tag at the bottom of the template add the line:

```
.. code-block:: html
```

```
<script type="text/javascript" src="//okneset.org/static/js/tooltip.js"></script> <script> generateMk-  
FrameSet('article'); </script>
```

replace *article* with a text element id. To see a demo of a page using the member widget visit <https://okneset.org/static/html/demo-article.html>.

To embed a single Kneset member's card, use:

```
<iframe width="400" height="186" scrolling="no" style="border:0" src="https://  
→okneset.org/member/[member_id]/embed/"></iframe>
```

Replace *member_id* with the id of the member from the url, e.g:

You can get the embedding code for the member's page. For example visit <https://okneset.org/member/885/>, and click the "" button.

CHAPTER 4

Friendly Applications

- [Open-Knesset-Mobile](#) - a sencha touch based application suporting both android and iOS
- [kolorabim](#) - a facebook app to collect the popular vote on bills

CHAPTER 5

Indices and tables

- `genindex`
- `modindex`
- `search`