EXT: eGov API

Extension Key: egovapi

Language: en, de, fr, it

Keywords: e-government, switzerland, administrative services, cyberadministration

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The content of this document is related to TYPO3

- a GNU/GPL CMS/Framework available from www.typo3.org

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Introduction

What does it do?

In the digital age, enterprises and citizens should be able to ask for an administrative authorization or an official register extract electronically. Thanks to the eGov CH Reference project, they can access any useful information online 24/7 and order via internet or mobile phone. The administration better responds to current requirements and customer needs, helping to reduce bureaucracy and increasing the attractiveness of the Swiss economy.

The eGov API extension aims at providing an easy way to swiss public authorities to show and grant access to the different administrative services they offer through their TYPO3 website.

Sponsorship

This extension is the official implementation of the swiss eGov Remote API for TYPO3. It has been sponsored by the State Secretariat for Economic Affairs SECO which is the Confederation's competence centre for all core issues relating to economic policy. The SECO wanted to improve the online access to the administrative services they offer. This project has been developed and is being maintained by Causal Sàrl, in Fribourg.

Further information:

- Website of the SECO: http://www.seco.admin.ch/

- Reference eGov project's website: http://www.cyberadmin.ch/

- Causal Sàrl: http://causal.ch/

Screenshots
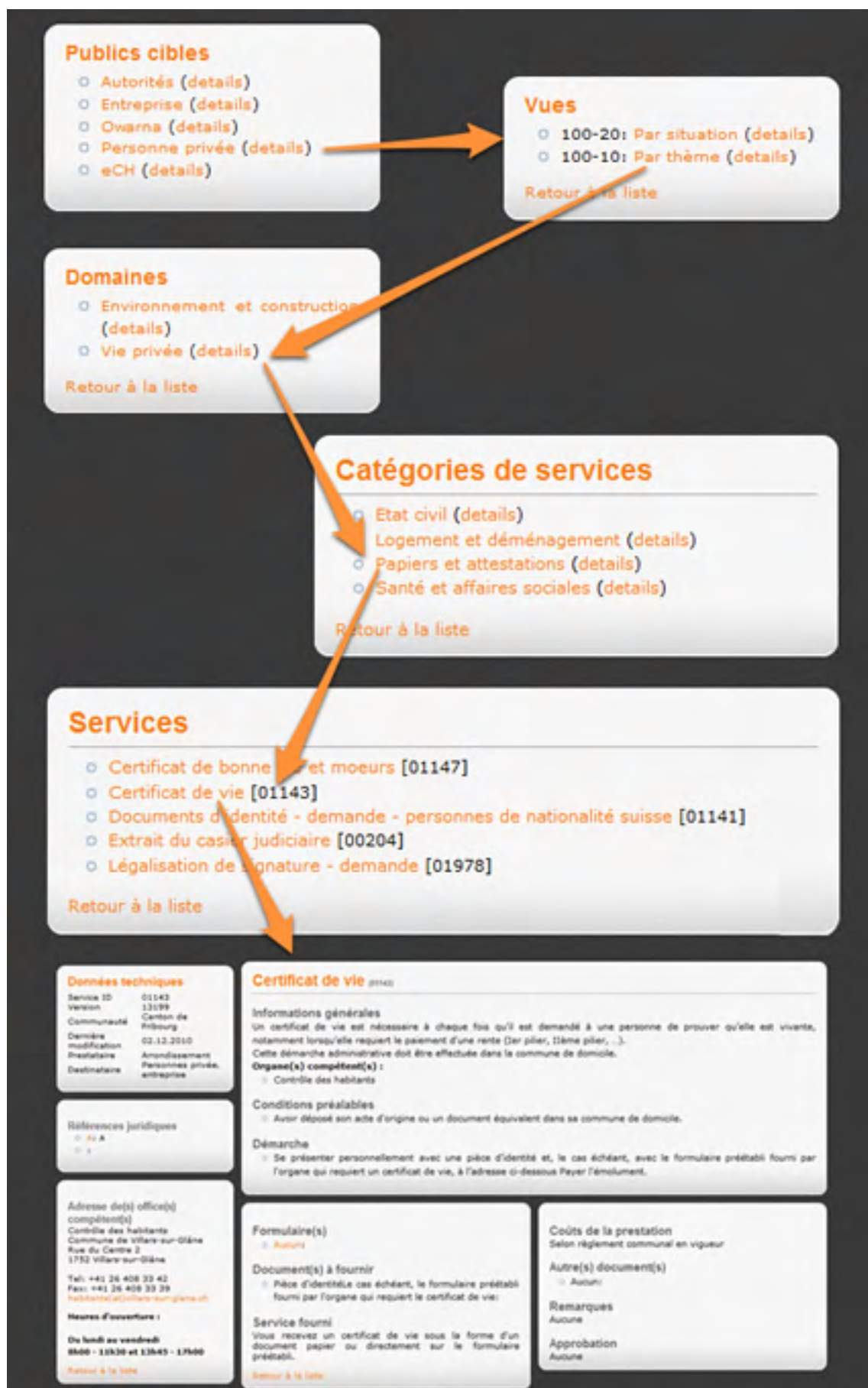
User manual

Plugin options

The plugin is split among a general configuration tab and then a tab for each and every level of the eGov API (Audience, View, Domain, Topic, Service). Finally a "Version" tab allows you to force a given version of a service to be used instead of the default one. "Other Settings" provides a few additional configuration options we will describe later on.

General

The rules are as follows:

- If a field is left empty, the corresponding TypoScript property is taken into account.

- If the corresponding TypoScript property is empty, there is no restriction. In the screenshot above, leaving "Authorized levels" empty will let you freely navigate from Audience to Service back and forth.

Backend administrators only: Field myTS allows you to override the TypoScript configuration after the merge of the FlexForm options. This is really the last chance to update the rendering configuration. Any configuration option may be overridden except the web service related properties (WSDL, cache lifetime, language, ...). A business processing makes use of it before the rendering takes place. We assume it is more than unlikely to be needed anyway.

Level hierarchy

Before actually describing the options of the level configuration tabs, it may help giving us an overview of the level hierarchy within the eGov web service:

Audience

By selecting items, you trim down the list of items being shown by the plugin and this additionally lets you manually order them.

Whenever you change the list of selected items in any of the Audience, View, Domain or Topic tab, you should save your

plugin configuration as the sublevel list of items in the next tab will be filtered accordingly. E.g., in the screenshot above, we selected "Entreprise" and "Personne privée" as audiences to be shown and we ordered them to show "Entreprise" and then "Personne privée". We should now save the plugin configuration before moving on to tab "View" where we only will get views related either to "Entreprise" or to "Personne privée" in the available items.

View

Domain

Blocks to show: This section is used when showing the details of a single domain. It allows us to trim down the amount of information or to split them among multiple copies of the plugin on a detail page.

Topic

| General | Audience | View | Domain | Topic | Service | Version | Other Settings |

Changes on this form will impact other configuration sheets. Please save configuration before moving on to next sheet.

Topics to show (LIST) / Authorized topics (SINGLE)

Selected Items: Available Items:

100-10-001-006 - Logement et déménagement
100-10-001-009 - Papiers et attestations

Blocks to show

Selected Items: Available Items:

1. Level information
2. General information
3. News
4. Subtopics
5. Descriptors
6. Synonyms

Override template to use for the list of topics

Override template to use for details of a topic

Service

Services to show (LIST) / Authorized services (SINGLE)

| General | Audience | View | Domain | Topic | **Service** | Version | Other Settings |

Selected Items:

01170 - Attestation de résidence (établissement et séj
01172 - Commune de domicile - annonce d'arrivée - Pe
00204 - Extrait du casier judiciaire

Available Items:

01170 - Attestation de résidence (établissement et séje
01168 - Changement d'adresse à l'intérieur de la comm
01172 - Commune de domicile - annonce d'arrivée - Pe
02061 - Commune de domicile - annonce d'arrivée - pe
01173 - Commune de domicile - annonce de départ
01141 - Documents d'identité - demande - personnes c
01176 - Déclaration de domicile
00204 - Extrait du casier judiciaire

Blocks to show

Selected Items:

Available Items:

1. Level information
2. General information
3. Prerequisites
4. Procedure
5. Form(s)
6. Required document(s)
7. Service provided
8. Fee
9. Legal regulation
10. Other document(s)
11. Remarks
12. Approval
13. Contact

Override template to use for the list of services

Override template to use for details of a service

Version

Domain Model

This section describes the eGov API domain model. The domain model may be accessed directly when using Fluid-based templates. If instead you use marker-based templates, only partial access to the domain model will be possible and you probably will have to implement one of the available hooks (see Hooks section in Developer Manual, page 31) for more complex scenarios.

We only describe domain model for the eGov API levels (audience, view, domain, topic, service). Attributes for the blocks of information which are typically used for the details view of an entity should be analyzed with Fluid template examples or by looking at the classes within directory Classes/Domain/Model/Blocks/ (e.g., using http://api.causal.ch/egovapi/).

Audience (tx_egovapi_domain_model_audience)

Property:	Type:
id	integer
author	string
creationDate	integer (timestamp)
lastModificationDate	integer (timestamp)
name	string
views	tx_egovapi_domain_model_view[]

View (tx_egovapi_domain_model_view)

Property:	Type:
id	integer
author	string
creationDate	integer (timestamp)
lastModificationDate	integer (timestamp)
name	string
domains	tx_egovapi_domain_model_domain[]
audience	tx_egovapi_domain_model_audience

Additional template values:

- **hasParent** (boolean): set to TRUE if parent view may be shown on same page, otherwise FALSE.

Domain (tx_egovapi_domain_model_domain)

Property:	Type:
id	integer
author	string
creationDate	integer (timestamp)

Property:	Type:
lastModificationDate	integer (timestamp)
name	string
description	string
isParent	boolean
versionId	integer
versionName	string
communityId	string
release	integer
remarks	string
status	string
generalInformation	tx_egovapi_domain_model_block_generalInformation
news	tx_egovapi_domain_model_block_news
subdomains	tx_egovapi_domain_model_block_subdomains
descriptor	tx_egovapi_domain_model_block_descriptor
synonym	tx_egovapi_domain_model_block_synonym
topics	*tx_egovapi_domain_model_topic[]*
view	*tx_egovapi_domain_model_view*

Additional template values:

- **hasParent** (boolean): set to TRUE if parent view may be shown on same page, otherwise FALSE.

- **showLevelInformation** (boolean): set to TRUE if level information block may be shown, otherwise FALSE.

- **showGeneralInformation** (boolean): set to TRUE if general information block may be shown, otherwise FALSE.

- **showNews** (boolean): set to TRUE if news block may be shown, otherwise FALSE.

- **showSubdomains** (boolean): set to TRUE if subdomains block may be shown, otherwise FALSE.

- **showDescriptor** (boolean): set to TRUE if descriptor block may be shown, otherwise FALSE.

- **showSynonym** (boolean): set to TRUE if synonym block may be shown, otherwise FALSE.

Topic (tx_egovapi_domain_model_topic)

Property:	Type:
id	integer
author	string
creationDate	integer (timestamp)
lastModificationDate	integer (timestamp)
name	string
description	string
isParent	boolean
versionId	integer
versionName	string
communityId	string
release	integer
remarks	string
status	string
generalInformation	tx_egovapi_domain_model_block_generalInformation
news	tx_egovapi_domain_model_block_news
subtopics	tx_egovapi_domain_model_block_subtopics

Property:	Type:
descriptor	tx_egovapi_domain_model_block_descriptor
synonym	tx_egovapi_domain_model_block_synonym
services	*tx_egovapi_domain_model_service[]*
domain	*tx_egovapi_domain_model_domain*

Additional template values:

- **hasParent** (boolean): set to TRUE if parent view may be shown on same page, otherwise FALSE.

- **showLevelInformation** (boolean): set to TRUE if level information block may be shown, otherwise FALSE.

- **showGeneralInformation** (boolean): set to TRUE if general information block may be shown, otherwise FALSE.

- **showNews** (boolean): set to TRUE if news block may be shown, otherwise FALSE.

- **showSubtopics** (boolean): set to TRUE if subtopics block may be shown, otherwise FALSE.

- **showDescriptor** (boolean): set to TRUE if descriptor block may be shown, otherwise FALSE.

- **showSynonym** (boolean): set to TRUE if synonym block may be shown, otherwise FALSE.

Service (tx_egovapi_domain_model_service)

Property:	Type:
id	integer
author	string
creationDate	integer (timestamp)
lastModificationDate	integer (timestamp)
name	string
description	string
versionId	integer
versionName	string
communityId	string
release	integer
comments	string
provider	string
customer	string
type	string
action	string
status	string
generalInformation	tx_egovapi_domain_model_block_generalInformation
prerequisites	tx_egovapi_domain_model_block_prerequisites
procedure	tx_egovapi_domain_model_block_procedure
forms	tx_egovapi_domain_model_block_forms
documentsRequired	tx_egovapi_domain_model_block_documentsRequired
serviceProvided	tx_egovapi_domain_model_block_serviceProvided
fee	tx_egovapi_domain_model_block_fee
legalRegulation	tx_egovapi_domain_model_block_legalRegulation
documentsOther	tx_egovapi_domain_model_block_documentsOther
remarks	tx_egovapi_domain_model_block_remarks
approval	tx_egovapi_domain_model_block_approval
contact	tx_egovapi_domain_model_block_contact
topic	*tx_egovapi_domain_model_topic*

Service (tx_egovapi_domain_model_block_contact)

Property:	Type:
department	string
office	string
address	string
postalCase	string
postalCode	string
municipality	string
person	string
phone1	string
phone2	string
fax	string
email	string
publicKey	string
logo	string
banner	string
openingHours	string

Additional template values:

- **hasParent** (boolean): set to TRUE if parent view may be shown on same page, otherwise FALSE.

- **showLevelInformation** (boolean): set to TRUE if level information block may be shown, otherwise FALSE.

- **showGeneralInformation** (boolean): set to TRUE if general information block may be shown, otherwise FALSE.

- **showPrerequisites** (boolean): set to TRUE if prerequisites block may be shown, otherwise FALSE.

- **showProcedure** (boolean): set to TRUE if procedure block may be shown, otherwise FALSE.

- **showForms** (boolean): set to TRUE if forms block may be shown, otherwise FALSE.

- **showDocumentsRequired** (boolean): set to TRUE if documents required block may be shown, otherwise FALSE.

- **showServiceProvided** (boolean): set to TRUE if service provided block may be shown, otherwise FALSE.

- **showFee** (boolean): set to TRUE if fee block may be shown, otherwise FALSE.

- **showLegalRegulation** (boolean): set to TRUE if legal regulation block may be shown, otherwise FALSE.

- **showDocumentsOther** (boolean): set to TRUE if documents other block may be shown, otherwise FALSE.

- **showRemarks** (boolean): set to TRUE if remarks block may be shown, otherwise FALSE.

- **showApproval** (boolean): set to TRUE if approval block may be shown, otherwise FALSE.

- **showContact** (boolean): set to TRUE if contact block may be shown, otherwise FALSE.

- **showBackToList** (boolean): set to TRUE if back to list block may be shown, otherwise FALSE.

Available markers and subparts

When using marker-based templates, domain model attributes are available as ###{ENTITY}_{ATTRIBUTE}###. The full list of available markers is as follows:

Audience

Markers

- AUDIENCE_ID
- AUDIENCE_NAME
- AUDIENCE_AUTHOR

- AUDIENCE_CREATION_DATE (formatted as dd.mm.yyyy)

- AUDIENCE_LAST_MODIFICATION_DATE (formatted as dd.mm.yyyy)

Subparts

- AUDIENCE_LINK_VIEWS

- AUDIENCE_LINK_DETAIL

View
Markers

- VIEW_ID

- VIEW_NAME

- VIEW_AUTHOR

- VIEW_CREATION_DATE (formatted as dd.mm.yyyy)

- VIEW_LAST_MODIFICATION_DATE (formatted as dd.mm.yyyy)

Subparts

- VIEW_LINK_DOMAINS

- VIEW_LINK_DETAIL

- HAS_PARENT

- VIEW_LINK_AUDIENCES

- VIEW_LINK_AUDIENCE

Domain
Markers

- DOMAIN_ID

- DOMAIN_NAME

- DOMAIN_DESCRIPTION

- DOMAIN_IS_PARENT

- DOMAIN_VERSION_ID

- DOMAIN_VERSION_NAME

- DOMAIN_COMMUNITY_ID

- DOMAIN_RELEASE

- DOMAIN_REMARKS

- DOMAIN_STATUS

- DOMAIN_AUTHOR

- DOMAIN_CREATION_DATE (formatted as dd.mm.yyyy)

- DOMAIN_LAST_MODIFICATION_DATE (formatted as dd.mm.yyyy)

- DOMAIN_GENERAL_INFORMATION

- DOMAIN_NEWS

- DOMAIN_SUBDOMAINS

- DOMAIN_DESCRIPTION

- DOMAIN_SYNONYM

Subparts

- DOMAIN_LINK_TOPICS

- DOMAIN_LINK_DETAIL
- HAS_PARENT
- DOMAIN_LINK_VIEWS
- DOMAIN_LINK_VIEW
- SHOW_LEVEL_INFORMATION
- SHOW_GENERAL_INFORMATION
- SHOW_NEWS
- SHOW_SUBDOMAINS
- SHOW_DESCRIPTOR
- SHOW_SYNONYM

Topic

Markers

- TOPIC_ID
- TOPIC_NAME
- TOPIC_DESCRIPTION
- TOPIC_IS_PARENT
- TOPIC_VERSION_ID
- TOPIC_VERSION_NAME
- TOPIC_COMMUNITY_ID
- TOPIC_RELEASE
- TOPIC_REMARKS
- TOPIC_STATUS
- TOPIC_AUTHOR
- TOPIC_CREATION_DATE (formatted as dd.mm.yyyy)
- TOPIC_LAST_MODIFICATION_DATE (formatted as dd.mm.yyyy)
- TOPIC_GENERAL_INFORMATION
- TOPIC_NEWS
- TOPIC_SUBTOPICS
- TOPIC_DESCRIPTOR
- TOPIC_SYNONYM

Subparts

- TOPIC_LINK_SERVICES
- TOPIC_LINK_DETAIL
- HAS_PARENT
- TOPIC_LINK_DOMAINS
- TOPIC_LINK_DOMAIN
- SHOW_LEVEL_INFORMATION
- SHOW_GENERAL_INFORMATION
- SHOW_NEWS
- SHOW_SUBTOPICS

- SHOW_DESCRIPTOR
- SHOW_SYNONYM

Service

Markers

- SERVICE_ID
- SERVICE_NAME
- SERVICE_DESCRIPTION
- SERVICE_VERSION_ID
- SERVICE_VERSION_NAME
- SERVICE_COMMUNITY_ID
- SERVICE_RELEASE
- SERVICE_COMMENTS
- SERVICE_PROVIDER
- SERVICE_CUSTOMER
- SERVICE_TYPE
- SERVICE_ACTION
- SERVICE_STATUS
- SERVICE_AUTHOR
- SERVICE_CREATION_DATE (formatted as dd.mm.yyyy)
- SERVICE_LAST_MODIFICATION_DATE (formatted as dd.mm.yyyy)
- SERVICE_GENERAL_INFORMATION
- SERVICE_PREREQUISITES
- SERVICE_PROCEDURE
- SERVICE_FORMS
- SERVICE_DOCUMENTS_REQUIRED
- SERVICE_SERVICE_PROVIDED
- SERVICE_FEE
- SERVICE_LEGAL_REGULATION
- SERVICE_DOCUMENTS_OTHER
- SERVICE_REMARKS
- SERVICE_APPROVAL
- SERVICE_CONTACT
- SERVICE_CONTACT_DEPARTMENT
- SERVICE_CONTACT_OFFICE
- SERVICE_CONTACT_ADDRESS
- SERVICE_CONTACT_POSTAL_CASE
- SERVICE_CONTACT_POSTAL_CODE
- SERVICE_CONTACT_MUNICIPALITY
- SERVICE_CONTACT_PERSON
- SERVICE_CONTACT_PHONE1

- SERVICE_CONTACT_PHONE2
- SERVICE_CONTACT_FAX
- SERVICE_CONTACT_EMAIL
- SERVICE_CONTACT_EMAIL_LINK
- SERVICE_CONTACT_PUBLIC_KEY
- SERVICE_CONTACT_LOGO
- SERVICE_CONTACT_BANNER
- SERVICE_CONTACT_OPENING_HOURS
- VCARD_URL

Subparts

- SERVICE_LINK_DETAIL
- HAS_PARENT
- SERVICE_LINK_TOPICS
- SERVICE_LINK_TOPIC
- SERVICE_LINK_SERVICES
- SHOW_LEVEL_INFORMATION
- SHOW_GENERAL_INFORMATION
- SHOW_PREREQUISITES
- SHOW_PROCEDURE
- SHOW_FORMS
- SHOW_DOCUMENTS_REQUIRED
- SHOW_SERVICE_PROVIDED
- SHOW_FEE
- SHOW_LEGAL_REGULATION
- SHOW_DOCUMENTS_OTHER
- SHOW_REMARKS
- SHOW_APPROVAL
- SHOW_CONTACT
- SHOW_BACK_TO_LIST

Administration

This chapter describes how to manage the extension from a superuser point of view.

Installing the extension

There are a few steps necessary to install the eGov API extension. If you have installed other extensions in the past, you will run into little new here.

Install the extension from Extension Manager

The eGov API extension can ben installed through the typical TYPO3 installation process using the Extension Manager.

During the installation process, you may be invited to install additional suggested extensions that interact with the eGov API extension. These are alls imply suggestions and can safely be ignored if you choose.

Note: If you plan to use Fluid as template engine, then you must install that system extension before installing the eGov API extension. The minimum required version of this system extension is 1.3.0 meaning it requires TYPO3 4.5.0 or above as Fluid template within the eGov API extension are using the FLUIDTEMPLATE content object which was introduced with TYPO3 4.5.0.

Two tables will be created and are being used by the TYPO3 caching framework if you choose to use a database backend (see below).

Since version 1.2.0 a selector plugin has been added, allowing you to show a form aimed at dynamically generating parametrized URIs, for non-TYPO3 websites willing to integrate e-government web service anyway. It has to be activated in Extension Manager:

Configure data caching

In order to prevent unnecessary traffic with the eGov servers hosting the web service, data caching should be configured. The extension makes use of TYPO3 caching framework. In order to activate it, you should either use the Install Tool or edit file typo3conf/localconf.php and add following line:

```
$TYPO3_CONF_VARS['SYS']['useCachingFramework'] = 1;
```

Activating caching framework will ensure that the same information is not retrieved twice during a single request. However, once the request is over, the cache is flushed as it internally use a TransientMemoryBackend.

In order to cache data for a longer period of time, you should provide a caching configuration for the eGov API extension. A typical configuration to cache data in the database is:

```
$TYPO3_CONF_VARS['SYS']['caching']['cacheConfigurations']['egovapi'] = array(
    'backend' => 't3lib_cache_backend_DbBackend',
    'options' => array(
        'cacheTable' => 'tx_egovapi_cache',
        'tagsTable' => 'tx_egovapi_cache_tags',
    )
);
```

If however you want to use one of more Memcache servers, you should write:

```
$TYPO3_CONF_VARS['SYS']['caching']['cacheConfigurations']['egovapi'] = array(
    'backend' => 't3lib_cache_backend_MemcachedBackend',
```

```
    'options' => array(
        // port is mandatory!
        'servers' => array('localhost:11211', 'otherhost:11211', 'thirdhost:11211'),
    )
);
```

Please refer to the TYPO3 documentation for further configuration options.

Configure RealURL

If you are using RealURL, the good news is that the eGov API extension comes with a configuration for RealURL.

If your configuration is automatically generated (you have a typo3conf/realurl_autoconf.php file), delete it. It will be recreated by RealURL the next time you render your page and will integrate our postVarSets configuration.

If you manually tweaked the configuration (you have a typo3conf/realurl_conf.php file), here is the configuration we suggest:

```
'postVarSets' => array(
    '_DEFAULT' => array(
        'audience' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[audience]',
            ),
        ),
        'view' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[view]',
            ),
        ),
        'domain' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[domain]',
            ),
        ),
        'topic' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[topic]',
            ),
        ),
        'service' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[service]',
            ),
        ),
        'action' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[action]',
            )
        ),
        'mode' => array(
            array(
                'GETvar' => 'tx_egovapi_pi1[mode]',
            )
        ),
    ),
),
```

TypoScript configuration

In order for this extension to be usable, make sure to include at least the static template "settings" from the eGov API extension. To do that, click on Web > Template in the left frame and then select the root page of the website. You template will show up. Then click on link "Edit the whole template record", open tab "Includes" and add static template from extension egovapi.

You are presented with two items in the list of available items. One is "eGov API settings (egovapi)", the other is "eGov API CSS-styles (egovapi)". You should at least add the settings. The CSS styles may serve as example for styling the extension's output and should even be omitted if you want to use your own CSS.
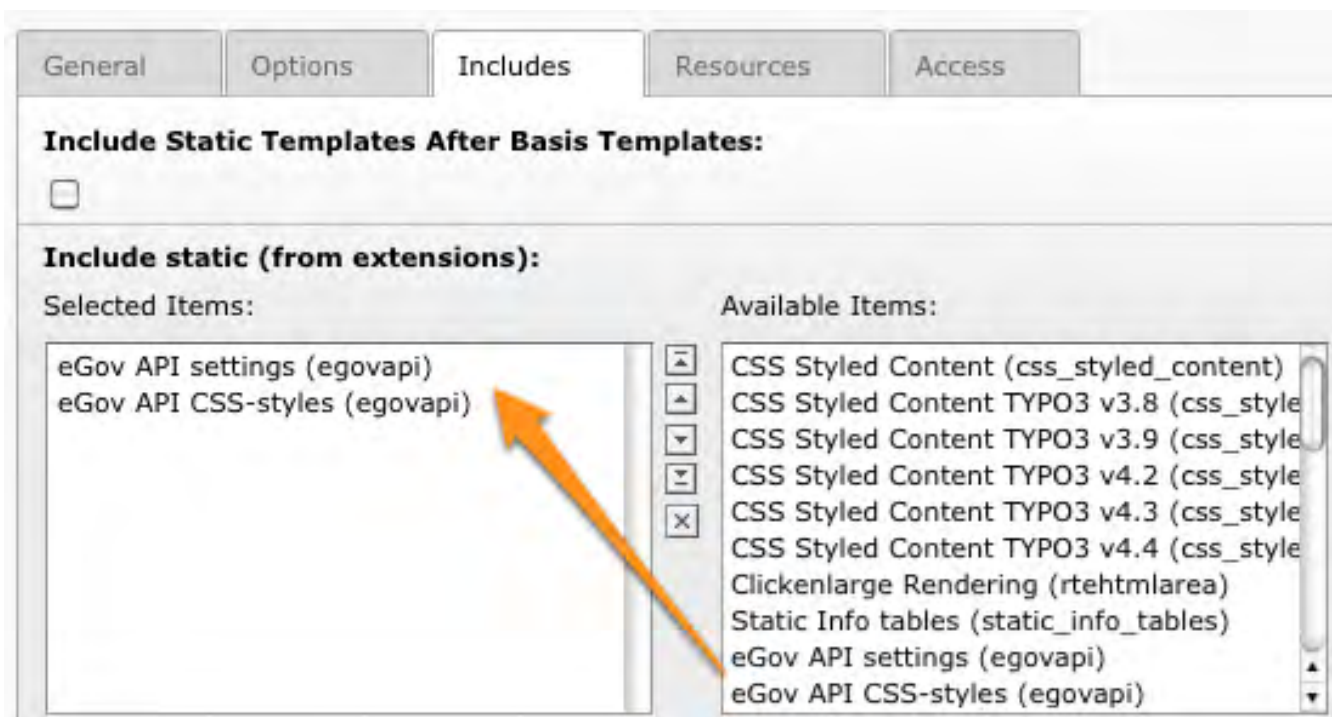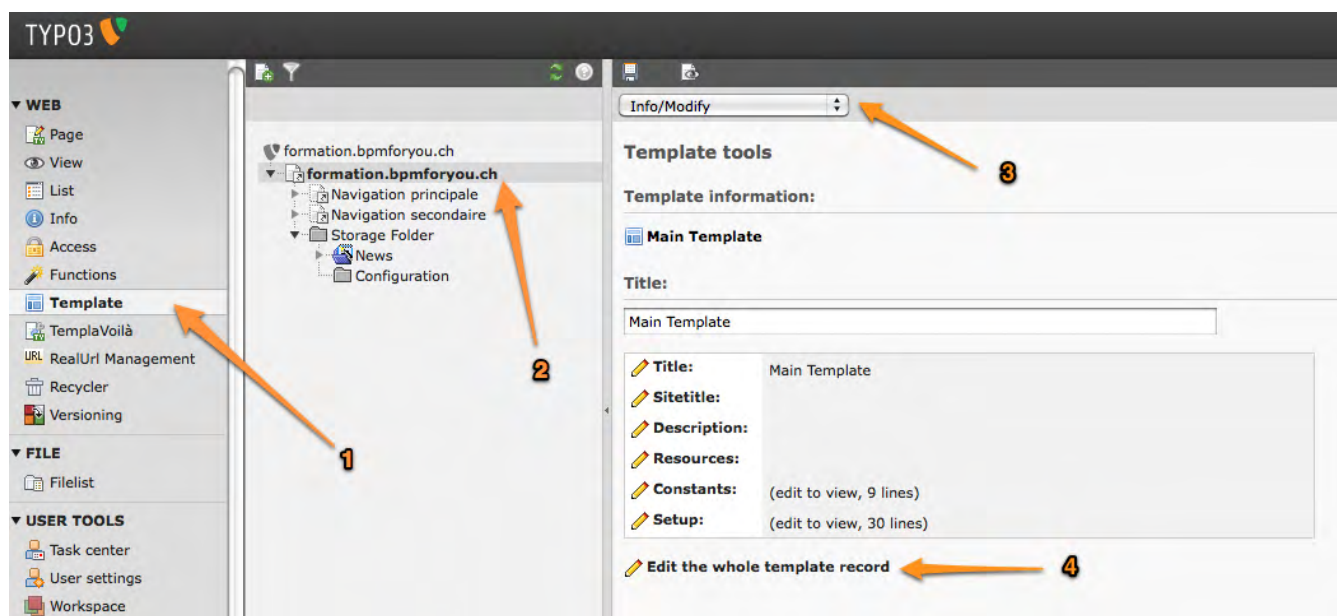
Save changes to your templates and close this form. Then open the Constant Editor from the dropdown menu and update global configuration to fit your needs:

There are many other options such as the language of the web service which should typically be related to the value of config.language in your setup.

If you are running a recent version of TYPO3 (≥ 4.5.0), you definitely should use Fluid as rendering engine. This requires system extension fluid to be loaded. Using Fluid will highly ease the way you prepare your templates and will let you have full control over the way web service data are rendered.

Selector Form Plugin

If you activated the selector form plugin within the Extension Manager, you will see an additional plugin available in the new content element wizard:

Please select which kind of page content you wish to create:

Typical page content	Special elements	Form elements	Flexible content	Plugins

General Plugin
Select this element type to insert a plugin which cannot be found amongst the options below.

eGov API
Adds a frontend plugin showing data from the eGov web service.

eGov API - Selector Form
Adds a frontend plugin showing a selector form for the eGov web service.

The selector form plugin requires a dedicated static TypoScript, the "eGov API selector settings" and possibly the default CSS styles, as for the main plugin. Make sure to properly configure constant plugin.tx_egovapi.targets.single.service with the UID of the page containing the main plugin.

The plugin is shipped with a standard jQuery-based javascript using AJAX queries to refresh the form. A custom demo version has been integrated on http://fr.causal.ch/realisations/api-e-government/demo/.

Beware: The main plugin should use settings "eGov API selector settings" too and not the default ones.

Generating Legacy Parametrized URL

You may want to use the selector form plugin to generate parametrized URL compatible with the legacy service handler on www.cyberadmin.ch. Below is a configuration example for generating such URLs.

```
plugin.tx_egovapi_pi2.parametrizedUrl = TEXT
plugin.tx_egovapi_pi2.parametrizedUrl {
    typolink {
        parameter = http://www.cyberadmin.ch/eGovApi/
        parameter.wrap.cObject = COA
        parameter.wrap.cObject {
            1 = TEXT
            1.value = |

            10 = TEXT
            10.data = GP:language
            10.wrap = ?eCHlanguageID=|
            10.case = upper
            20 = TEXT
            20.data = GP:organization
            20.wrap = &eCHmunicipalityID=|
            30 = TEXT
            30.field = id
            30.wrap = &eCHserviceID=|
            40 = TEXT
            40.field = versionId
            40.wrap = &eCHserviceVersionID=|
            50 = TEXT
            50.data = GP:blocks
            50.wrap = &eCHserviceBlock=|
            60 = TEXT
            60.value = htmlpagecss
            60.wrap = &eCHapiFormat=|
            70 = TEXT
            70.value = utf-8
            70.wrap = &eCHapiEncode=|
        }
    }
}
```

Configuration

This chapter describes the TypoScript extension parameters.

plugin.tx_egovapi_pi1

Global parameters for the main extension.

Property:	Data type:	Description:	Default:
wsdl	string /stdWrap	URL of the eGov API SOAP entry point.	http://ref.cyberadmin.ch/WS/ServiceContract/WS.wsdl
cacheLifetime	integer /stdWrap	Lifetime of the WSDL result calls, in seconds.	604800 (1 week)
eCHlanguageID	string /stdWrap	Language to use for the web service. Valid options are "de", "en", "fr", "it", "rm".	en
eCHcommunityID	string /stdWrap	Community ID.	
organizationID	integer /stdWrap	Organization ID.	
useFluid	boolean /stdWrap	If set to "1", Fluid templates will be used. Only available since TYPO3 4.5.	0
showRenderTime	boolean /stdWrap	If set to "1", time needed to generate plugin's output will be added after it as HTML comment.	1
stripTags	boolean /stdWrap	Deprecated: If set to "1", HTML tags from many web service information block will be stripped off. Beware: Eventually this flag will be removed and HTML tags will always be removed for those blocks that were determined as having to be plain text.	1
enableDebug	boolean /stdWrap	If set to "1", debug information will be output.	0
includeCHServices	boolean /stdWrap	If set to "1", services from swiss confederation will be included too (eCHcommunityID = 00-00).	1
dynamicConfig	boolean /stdWrap	Only makes sense in conjunction with Pi2 (selector form). If set to "1", configuration of this plugin will use arguments in the URL. See Pi2 static TS for more information.	0
displayLevels	comma-separated list of string /stdWrap	Authorized levels to be used by the plugin.	AUDIENCE,VIEW,DOMAIN,TOPIC,SERVICE
level	string /stdWrap	Static level to be used by the plugin.	
mode	string /stdWrap	Static display mode. Either LIST or SINGLE. Leave empty for automatic switch from LIST to SINGLE.	
audiences	comma-separated list of integer /stdWrap	Authorized list of audience IDs to be displayed. Leave empty for no restriction.	
views	comma-separated list of string /stdWrap	Authorized list of view IDs to be displayed. Leave empty for no restriction.	
domains	comma-separated list of string /stdWrap	Authorized list of domain IDs to be displayed. Leave empty for no restriction.	
topics	comma-separated list of string /stdWrap	Authorized list of topic IDs to be displayed. Leave empty for no restriction.	
services	comma-separated list of string /stdWrap	Authorized list of service IDs to be displayed. Leave empty for no restriction.	

[tsref:plugin.tx_egovapi_pi1]

plugin.tx_egovapi_pi1.displayBlocks

Configuration of blocks of detailed information that may be shown.

Property:	Data type:	Description:	Default:
domain	comma-separated list of string /stdWrap	List of domain blocks that may be shown.	LEVEL_INFORMATION, GENERAL_INFORMATION, NEWS, SUBDOMAINS, DESCRIPTOR, SYNONYM
topic	comma-separated list of string /stdWrap	List of topic blocks that may be shown.	LEVEL_INFORMATION, GENERAL_INFORMATION, NEWS, SUBTOPICS, DESCRIPTOR, SYNONYM
service	comma-separated list of string /stdWrap	List of service blocks that may be shown.	LEVEL_INFORMATION, GENERAL_INFORMATION, PREREQUISITES, PROCEDURE, FORMS, DOCUMENTS_REQUIRED, SERVICE_PROVIDED, FEE, LEGAL_REGULATION, DOCUMENTS_OTHER, REMARKS, APPROVAL, CONTACT

[tsref:plugin.tx_egovapi_pi1.displayBlocks]

plugin.tx_egovapi_pi1.versions

Configuration of the versions of the services to be used.

Property:	Data type:	Description:	Default:
{serviceId}	integer /stdWrap	Version ID to use instead of the default version.	

[tsref:plugin.tx_egovapi_pi1.versions]

plugin.tx_egovapi_pi1.targets

Configuration of page targets for links between levels or display modes.

Property:	Data type:	Description:	Default:
audience.listPid	integer /stdWrap	Page ID to redirect to when showing a list of audiences.	$GLOBALS['TSFE']->id
audience.singlePid	integer /stdWrap	Page ID to redirect to when showing details of an audience.	$GLOBALS['TSFE']->id
view.listPid	integer /stdWrap	PageID to redirect to when showing a list of views.	$GLOBALS['TSFE']->id
view.singlePid	integer /stdWrap	PageID to redirect to when showing details of a view.	$GLOBALS['TSFE']->id
domain.listPid	integer /stdWrap	PageID to redirect to when showing a list of domains.	$GLOBALS['TSFE']->id
domain.singlePid	integer /stdWrap	PageID to redirect to when showing details of a domain.	$GLOBALS['TSFE']->id
topic.listPid	integer /stdWrap	PageID to redirect to when showing a list of topics.	$GLOBALS['TSFE']->id
topic.singlePid	integer /stdWrap	PageID to redirect to when showing details of a topic.	$GLOBALS['TSFE']->id
service.listPid	integer /stdWrap	PageID to redirect to when showing a list of services.	$GLOBALS['TSFE']->id
service.singlePid	integer /stdWrap	PageID to redirect to when showing details of a service.	$GLOBALS['TSFE']->id

[tsref:plugin.tx_egovapi_pi1.targets]

plugin.tx_egovapi_pi1.templates

Template configuration is split into two parts, one for Fluid-based templates, the other for marker-based templates.

Fluid-based templates

Please note that all properties below have full-fledge support of following FLUIDTEMPLATE content object properties:

- file (which is used as default property hereafter)
- layoutRootPath
- partialRootPath
- format
- variables

Read more on this on: http://forge.typo3.org/projects/typo3v4-mvc/wiki/FLUIDTEMPLATE_Content_Object

Property:	Data type:	Description:	Default:
list.audience.fluid.file	string /stdWrap	Template to use to render a list of audiences.	EXT:egovapi/Resources/Private/Templates/Fluid/Audience/List.html
list.view.fluid.file	string /stdWrap	Template to use to render a list of views.	EXT:egovapi/Resources/Private/Templates/Fluid/View/List.html
list.domain.fluid.file	string /stdWrap	Template to use to render a list of domains.	EXT:egovapi/Resources/Private/Templates/Fluid/Domain/List.html
list.topic.fluid.file	string /stdWrap	Template to use to render a list of topics.	EXT:egovapi/Resources/Private/Templates/Fluid/Topic/List.html
list.service.fluid.file	string /stdWrap	Template to use to render a list of services.	EXT:egovapi/Resources/Private/Templates/Fluid/Service/List.html
single.audience.fluid.file	string /stdWrap	Template to use to render details of an audience.	EXT:egovapi/Resources/Private/Templates/Fluid/Audience/List.html
single.view.fluid.file	string /stdWrap	Template to use to render details of a view.	EXT:egovapi/Resources/Private/Templates/Fluid/View/Single.html
single.domain.fluid.file	string /stdWrap	Template to use to render details of a domain.	EXT:egovapi/Resources/Private/Templates/Fluid/Domain/Single.html
single.topic.fluid.file	string /stdWrap	Template to use to render details of a topic.	EXT:egovapi/Resources/Private/Templates/Fluid/Topic/Single.html
single.service.fluid.file	string /stdWrap	Template to use to render details of a service.	EXT:egovapi/Resources/Private/Templates/Fluid/Service/Single.html

[tsref:plugin.tx_egovapi_pi1.templates]

Marker-based Template

Property:	Data type:	Description:	Default:
list.audience.standard	string /stdWrap	Template to use to render a list of audiences.	EXT:egovapi/Resources/Private/Templates/Standard/Audience.html
list.view.standard	string /stdWrap	Template to use to render a list of views.	EXT:egovapi/Resources/Private/Templates/Standard/View.html
list.domain.standard	string /stdWrap	Template to use to render a list of domains.	EXT:egovapi/Resources/Private/Templates/Standard/Domain.html
list.topic.standard	string /stdWrap	Template to use to render a list of topics.	EXT:egovapi/Resources/Private/Templates/Standard/Topic.html
list.service.standard	string /stdWrap	Template to use to render a list of services.	EXT:egovapi/Resources/Private/Templates/Standard/Service.html
single.audience.standard	string /stdWrap	Template to use to render details of an audience.	EXT:egovapi/Resources/Private/Templates/Standard/Audience.html
single.view.standard	string /stdWrap	Template to use to render details of a view.	EXT:egovapi/Resources/Private/Templates/Standard/View.html
single.domain.standard	string /stdWrap	Template to use to render details of a domain.	EXT:egovapi/Resources/Private/Templates/Standard/Domain.html

Property:	Data type:	Description:	Default:
single.topic.standard	string /stdWrap	Template to use to render details of a topic.	EXT:egovapi/Resources/Private/Templates/Standard/Topic.html
single.service.standard	string /stdWrap	Template to use to render details of a service.	EXT:egovapi/Resources/Private/Templates/Standard/Service.html

[tsref:plugin.tx_egovapi_pi1.templates]

plugin.tx_egovapi_pi2

Global parameters for the selector extension.

Property:	Data type:	Description:	Default:
wsdl	string /stdWrap	URL of the eGov API SOAP entry point.	http://ref.cyberadmin.ch/WS/ServiceContract/WS.wsdl
cacheLifetime	integer /stdWrap	Lifetime of the WSDL result calls, in seconds.	604800 (1 week)
enableDebug	boolean /stdWrap	If set to "1", debug information will be output.	0
includeCHServices	boolean /stdWrap	If set to "1", services from swiss confederation will be included too (eCHcommunityID = 00-00).	1
template	string /stdWrap	Template to use to render the selector form.	EXT:egovapi/Resources/Private/Templates/Pi2/form.html
data.communities	string	List of communities, in CSV format.	EXT:egovapi/Resources/Private/Data/communities.csv
data.organizations	string	List of organizations, in CSV format.	EXT:egovapi/Resources/Private/Data/organizations.csv
service	string /stdWrap	Selected service for generating the parametrized URL.	GP:service
version	string /stdWrap	Corresponding service's version for generating the parametrized URL.	GP:version
parametrizedUrl	cObject	Configuration of the parametrized URL.	see TypoScript
latitude	string /stdWrap	Latitude of the user.	
longitude	string /stdWrap	Longitude of the user.	
coordinates	boolean	If set to "1", coordinates of the organizations will be sent back during AJAX requests. Requires a list of organizations where coordinates are present in columns 5 and 6.	0

[tsref:plugin.tx_egovapi_pi2]

Tutorial

This tutorial is best suited for day-to-day webmasters or editors having to integrate the eGov API within their website. It assumes an administrator already properly installed this extension (see chapter Admnistration, page 19). It is targeted at users and as such section "Plugin options" of chapter User manual (page 5) is part of the basic know-how the webmaster or editor should have to be able to use this extension.

Use case

Description

You would like to show the list of service domains available for the audience "Personne privée" (100) in some part of your website.

Step-by-step explanation

1. Open Web > Page module and navigate within your website to the page where you would like to add the eGov API plugin.

2. Click on icon [icon] to add a content element to your page

3. Move to section "Plugins" and select the eGov API plugin:
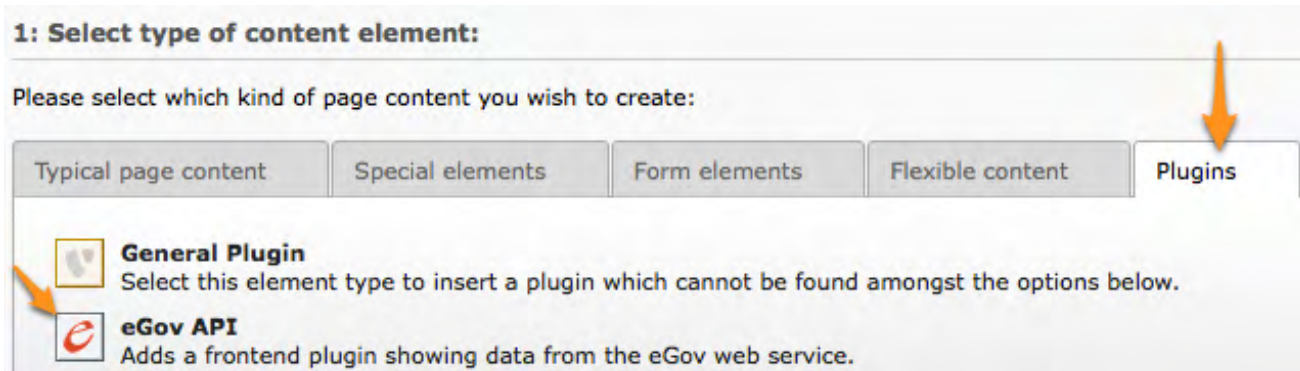
After having given a header to your content element as a best practice (possibly set its rendering Type to hidden), you should configure the eGov API plugin:
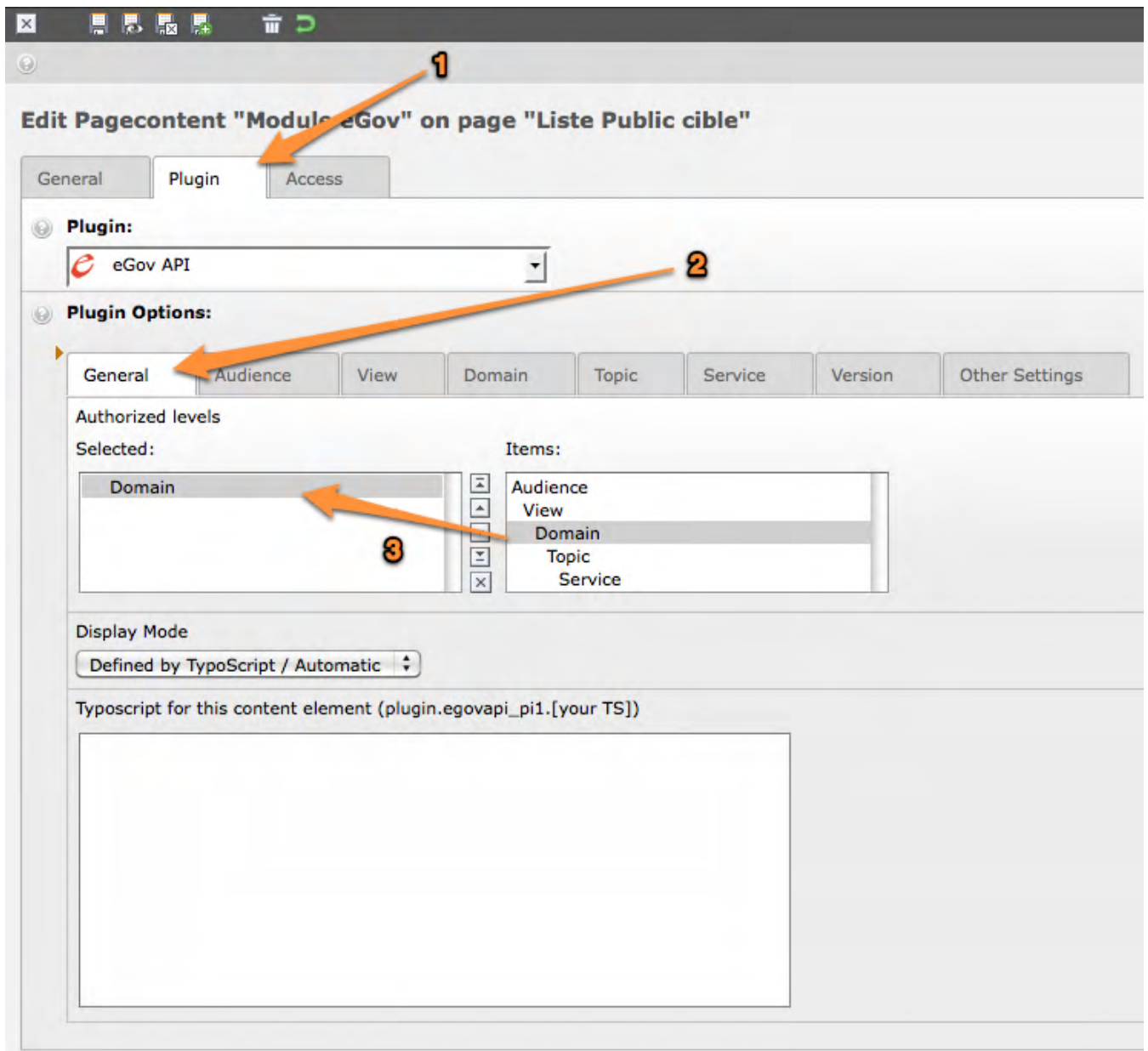
1. Move to the "Plugin" tab to access plugin's configuration options

2. Select "General" option tab

3. Authorize level "Domain" to be shown. As this is the only selected level, it will be used as entry point for the plugin and will not allow navigation to other levels. If you need this, you may either add other authorized levels after the entry point level or configure redirect pages containing plugins for the other levels on "Other Settings" option tab.

Last step is to configure the plugin in order to only show the audience "Personne privée":

Edit Pagecontent "Module eGov" on page "Liste Public cible"

| General | Plugin | Access |

Plugin:

eGov API

Plugin Options:

| General | Audience | View | Domain | Topic | Service | Version | Other Settings |

Changes on this form will impact other configuration sheets. Please save configuration before moving on to next sheet.

Audiences to show (LIST) / Authorized audiences (SINGLE)

Selected: Items:

100 - Personne privée   300 - Autorités
                                               200 - Entreprise
                                               401 - Owarna
                                               100 - Personne privée
                                               400 - eCH

Override template to use for the list of audiences

Override template to use for details of an audience

1. Select "Audience" option tab
2. Select audience "Personne privée".

That's it! If you show your page, you should have a list of domains related to the audience "Personne privée":

Domains

- Vie privée (details)

Developer Manual

This chapter is really targeted at extension developers. Most TYPO3 integrators should never have the need to go that deep in order for them to configure the eGov API extension to fit their integration needs. If however you encounter some limitation you cannot solve using TypoScript configuration, you may want to read the following sections to learn how to take more control.

Hooks

Some hooks have been integrated into the eGov API extension. They are primarily targeted at letting you post-process the subparts and markers prior to the actual rendering process, when using marker-based templates or to post-process the AJAX returned data. Hooks have not been used for Fluid-based templates as you may achieve the same goal with TypoScript configuration or use of ViewHelpers.

Following hooks are available:

- Final post-processing:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['renderHook']

- Post-processing of audience subparts and markers:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['prepareAudienceHook']

- Post-processing of view subparts and markers:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['prepareViewHook']

- Post-processing of domain subparts and markers:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['prepareDomainHook']

- Post-processing of topic subparts and markers:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['prepareTopicHook']

- Post-processing of service subparts and markers:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['prepareServiceHook']

- Post-processing of AJAX returned data:
  $GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['egovapi']['ajaxHook']

API documentation

The latest API documentation may be manually generated using doxygen configuration file doc/doxygen.conf.

Alternatively, you may access it from http://api.causal.ch/egovapi/.

eGov web service

The eGov web service is documented by the corresponding WSDL.

When accessing this WSDL endpoint, XML schemas are defined as namespaces. The underlying XSD files may be retrieved by prefixing the namespace by http://ref.cyberadmin.ch/WS/ServiceContract/. E.g., the schema of "dataCommonBlocks" may be accessed with http://ref.cyberadmin.ch/WS/Service/Contract/MessageContract/DataContract/CommonBlocks.xsd.

Known problems

Please use the extension's bug tracker on Forge to report bugs: http://forge.typo3.org/projects/extension-egovapi/issues

To-Do list

Please use the extension's bug tracker on Forge to propose new features: http://forge.typo3.org/projects/extension-egovapi/issues

ChangeLog

The following is a very high level overview of the changes in this extension. For more details, see the ChangeLog file included with the extension or read it online.

Version	Changes
1.3.0	Added microformat markers (hCard) for the service's office Services are grouped by provider for the selector form plugin
1.2.0	Selector form plugin added
1.1.0	Completed German translation
1.0.0	Stable release Updated documentation with additional screenshots Updated templates with additional CSS classes
0.9.0	Further documentation
0.8.0	First release on TER