

❖ Costanza.

A User-friendly, Open Source Tool for
EZproxy Configuration Management



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"I was in the pool!"

Managing EZproxy

- Tedious, manual process that typically involves your editor of choice, and a text file that's often 10,000+ lines long
- Typically the responsibility of IT staff (rather than electronic resources staff)
- Could be improved with some form of “editor”

EZproxy @ USask

- Work is driven by:
 - acquisition of new databases
 - stanza updates from the vendor
 - changes made by OCLC
- Almost all of the daily management is adding, updating or removing entire stanzas

Costanza.

- Idea that the *stanza* is the most granular unit, not the individual directives
- The core is a repository of EZproxy stanzas, both user contributed and OCLC maintained
- Simplified configuration that identifies desired databases
- Web based UI that allows this configuration to be easily manipulated
- Empowers e-resources staff

Features

- User Accounts -- login, register, email verification and password reset
- Simple shared workspace for members of the same institution
- Import existing EZproxy configuration files
- Intuitive interface for adding, editing, deleting EZproxy entries
- Export to EZproxy format
 - Includes support for OCLC's hosted format

Demo time!

Costanza Actions ▾

Help



Darryl Friesen ▾

Costanza

Costanza is an EZproxy configuration management system. It focuses on the management of stanzas within the EZproxy config file rather than individual EZproxy directives.

Get started:

Start fresh.

Create a new config file using the default EZproxy template as a starting point.

New

Continue working.

A previous EZproxy configuration was found on the server. You can continue working on that!

Resume

Import an EZproxy config.

Import your existing EZproxy `config.txt` file. It will automatically be converted to the format required by Costanza.

Import

Export to EZproxy.

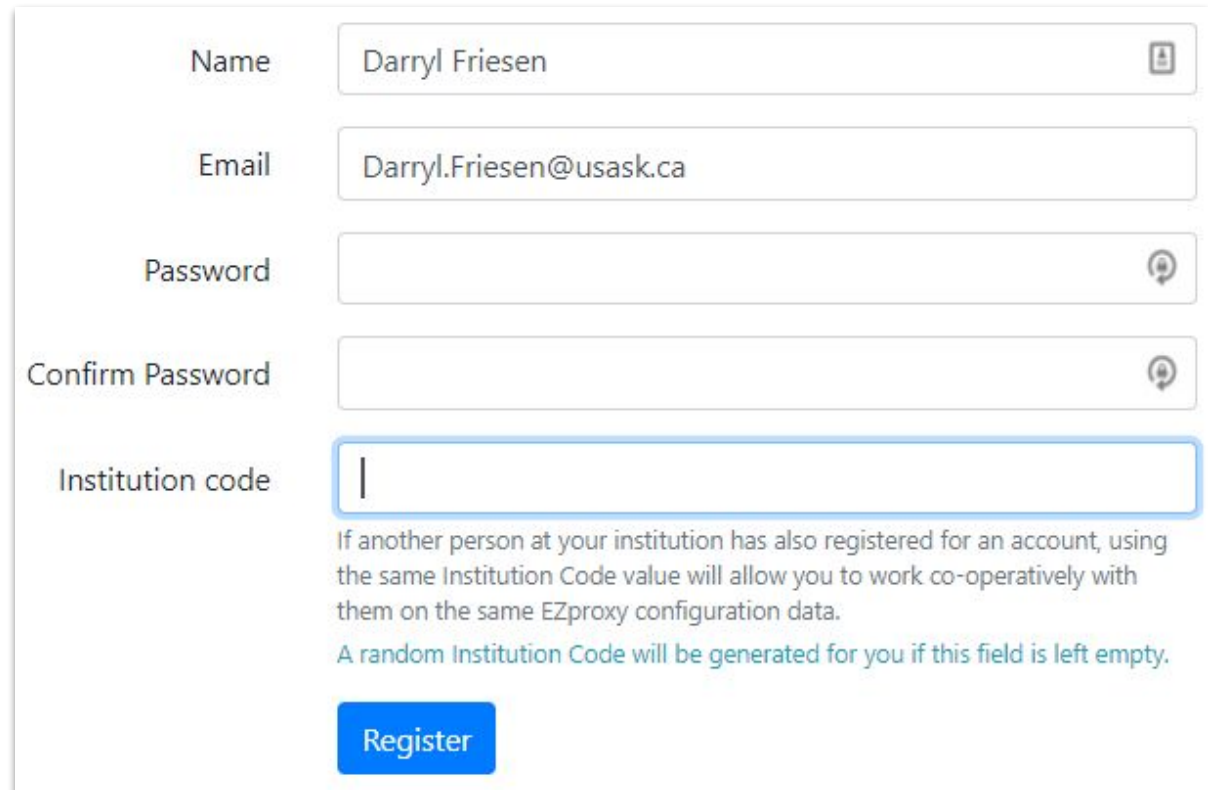
Export your Costanza data to the text format required by EZproxy.

Export

"I think I can sum up the show for you with one word: nothing."

Co-Stanza(ing)

- Simple co-management scheme uses a shared code
- All users with the same code share the same files



A registration form with the following fields:

- Name: Darryl Friesen
- Email: Darryl.Friesen@usask.ca
- Password: (empty)
- Confirm Password: (empty)
- Institution code: (empty)

Below the Institution code field, there is explanatory text: "If another person at your institution has also registered for an account, using the same Institution Code value will allow you to work co-operatively with them on the same EZproxy configuration data. A random Institution Code will be generated for you if this field is left empty."

A blue "Register" button is located at the bottom of the form.

"This is not good. Worlds are colliding! George is getting upset."

Creating a new EZproxy config

- Any number of files can be created
- Default EZproxy configuration can be used as a starting point

New EZproxy File

Create a new file for use with Costanza. The default EZproxy config file can be used as a starting point if desired.

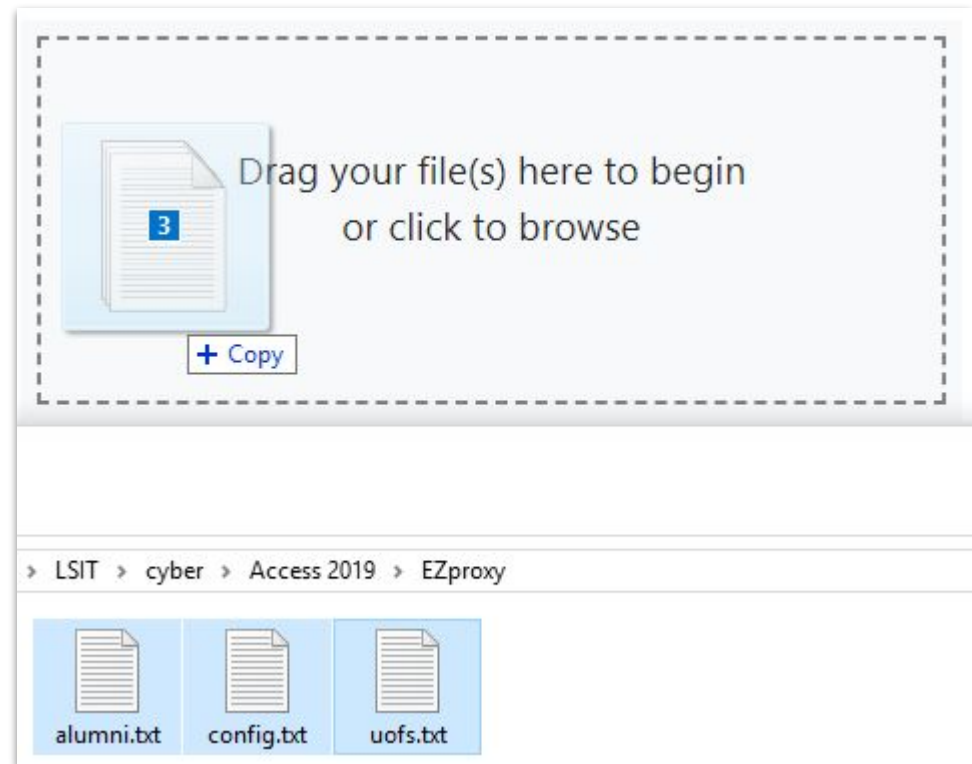
Filename

Costanza stores data in JSON format, so please use the `.json` file extension.

Use default EZproxy config.

Importing EZproxy Files

- Drag and drop multiple files
- Converted from the text format used by EZproxy to the JSON format used By Costanza



Exporting to EZproxy

- Converts JSON to text for use with EZproxy
- Currently no direct upload to EZproxy
- Option to use **IncludeFile** for hosted clients

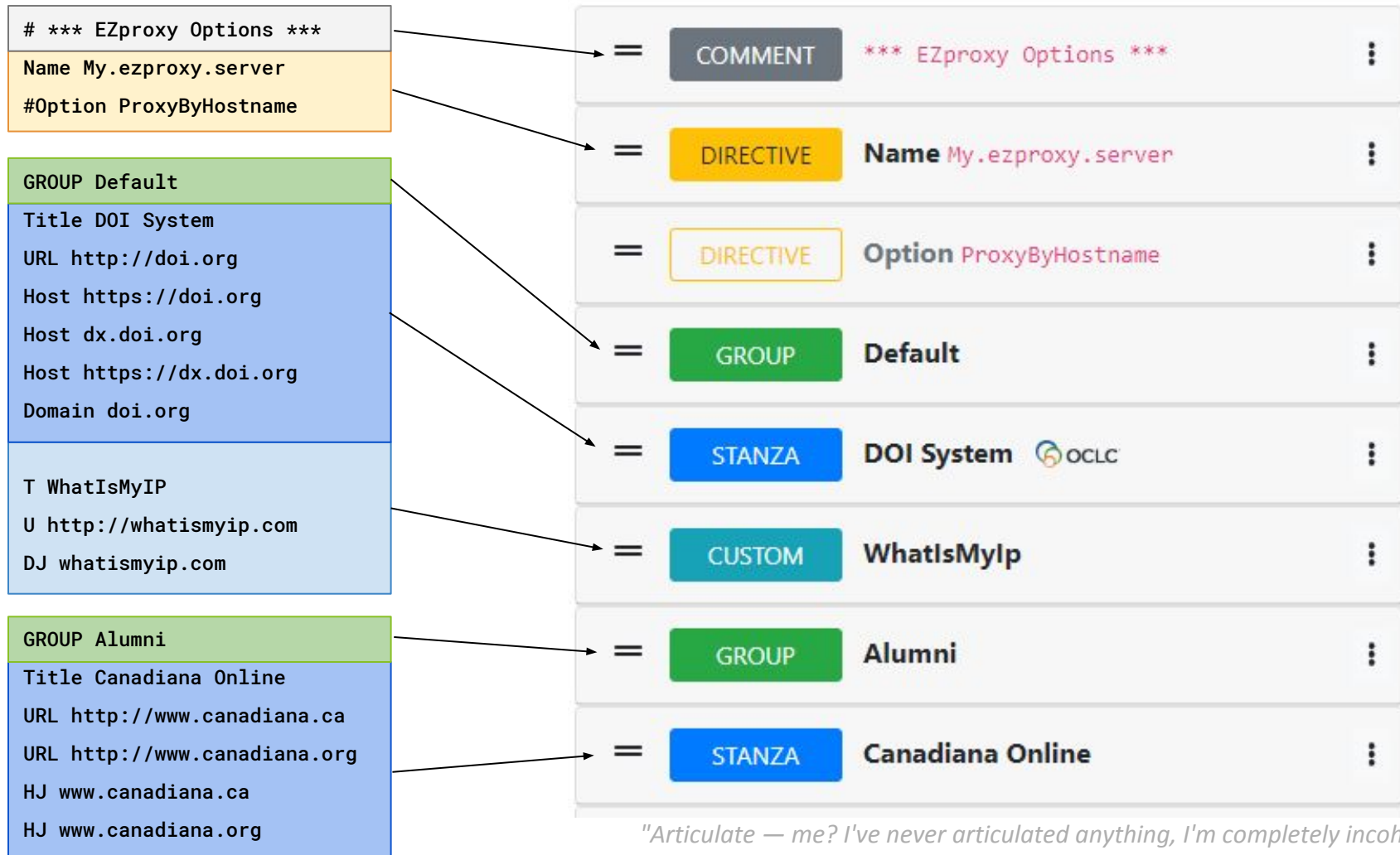
Select all the files you would like to export.

<input type="checkbox"/>	access2019.json
<input type="checkbox"/>	alumni.json
<input type="checkbox"/>	config.json
<input type="checkbox"/>	uofs.json

Use OCLC's Hosted EZproxy Include File for resources that have one. This will generate an EZproxy file that can be used by OCLC hosted EZproxy customers.

[Export selected files](#)

Directives simplified into 5 Types



The "editor"

=	DIRECTIVE	Name My.ez	⋮
=	DIRECTIVE	Option ProxyByHostname	⋮
Directive	Option		
Value(s)	Proxy		
Comment	EZproxy must be set to Proxy-by-port?or to Proxy-by-hostname: see http://www.oclc.org/support/documentation/ezproxy/portvshostname.htm AND http://www.oclc.org/support/documentation/ezproxy/cfg/proxybyhostname.htm		
Inactive	Yes. This directive will still appear in your EZproxy config, but will be marked inactive (i.e. treated like a comment).		
=	GROUP	Default	⋮

Click the heading to expand and view details

The ⋮ menu provides actions for each entry

Color coded and shaded

Every entry can have a comment/note.

- + Add entry below
- ✍ Edit this entry
- 🗑 Delete this entry

Drag & Drop

Every entry can easily be marked active or inactive

Adding new entries

Add a new entry ×

What type of entry would you like to add to the EZproxy config?

Comment
 Config Directive
 Group
 Database Stanza

Stanza: Nothing selected

Name:

You can override the default name of the stanza using this field.

Comment:

A comment or note specific to this directive.

Inactive: This will leave the stanza in your EZproxy config, but mark it inactive. It is the equivalent of placing a # character at the beginning of the each line to turn it into a comment.

Add a new entry ×

What type of entry would you like to add to the EZproxy config?

Comment
 Config Directive
 Group
 Database Stanza
 Custom Stanza

Stanza: Nothing selected

Name:

CPA Canada
 Canadiana_Online
 Canadian Pharmacists Association
 National Film Board of Canada
 WestLawNext Canada

Inactive: This will leave the stanza in your EZproxy config, but mark it inactive. It is the equivalent of placing a # character at the beginning of the each line to turn it into a comment.

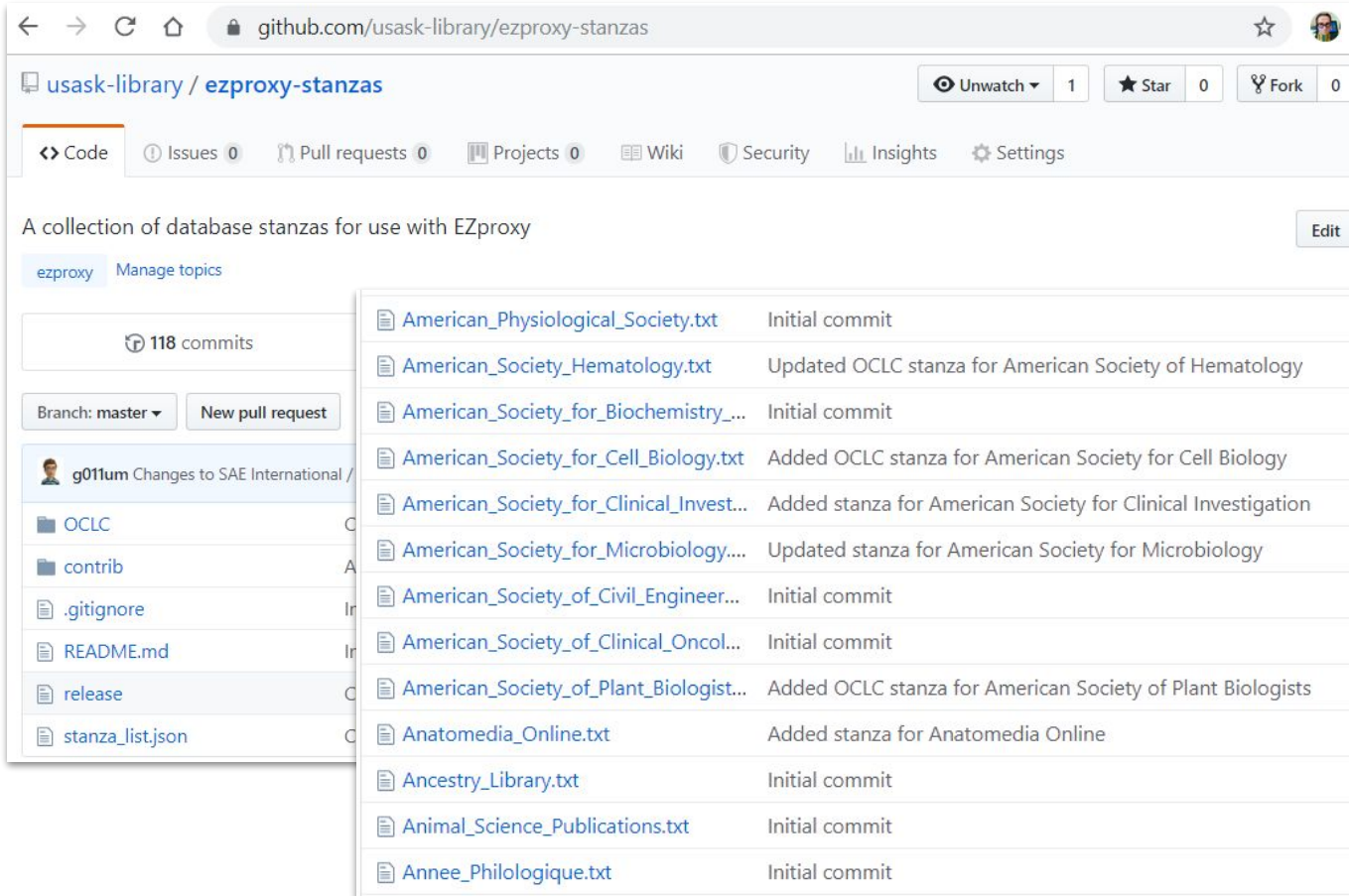
Add Database Stanza

"What am I scared of? I'm scared of the same thing that you are, everything."

The Stanza is Key

- All EZproxy stanzas are stored in a Git repo.
- Yes.... All. The. Stanzas.
- 697 OCLC stanzas, 13 community stanzas
- Changes are committed to the repo, and reflected in Costanza
- Simply re-export to EZproxy to get the latest version of the stanzas
- And please consider contributing!

Costanza's Stanzas



github.com/usask-library/ezproxy-stanzas

usask-library / ezproxy-stanzas

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

A collection of database stanzas for use with EZproxy [Edit](#)

ezproxy Manage topics

118 commits

Branch: master New pull request

g011um Changes to SAE International /

- OCLC
- contrib
- .gitignore
- README.md
- release
- stanza_list.json

American_Physiological_Society.txt	Initial commit	5 months ago
American_Society_Hematology.txt	Updated OCLC stanza for American Society of Hematology	9 days ago
American_Society_for_Biochemistry...	Initial commit	5 months ago
American_Society_for_Cell_Biology.txt	Added OCLC stanza for American Society for Cell Biology	10 days ago
American_Society_for_Clinical_Invest...	Added stanza for American Society for Clinical Investigation	21 days ago
American_Society_for_Microbiology...	Updated stanza for American Society for Microbiology	4 months ago
American_Society_of_Civil_Engineer...	Initial commit	5 months ago
American_Society_of_Clinical_Oncol...	Initial commit	5 months ago
American_Society_of_Plant_Biologist...	Added OCLC stanza for American Society of Plant Biologists	9 days ago
Anatomeia_Online.txt	Added stanza for Anatomeia Online	3 months ago
Ancestry_Library.txt	Initial commit	5 months ago
Animal_Science_Publications.txt	Initial commit	5 months ago
Annee_Philologique.txt	Initial commit	5 months ago

"Why does everything have to be 'us'? Is there no 'me' left? Why can't there be some things just for me? Is that so selfish?"

Technical Details

- Single Page Application (SPA)
 - Forked from Cretu Eusebiu's Laravel-Vue SPA
- Front end
 - Vue, VueRouter, Vuex, Bootstrap 4, Font Awesome, BootstrapVue
- Back end
 - PHP, Laravel 5.8
- Open Source!
 - Both Costanza and the EZproxy Stanza repository

Costanza.

EZproxy. But EZier!

GitHub: github.com/usask-library/costanza
github.com/usask-library/ezproxy-stanzas

Sandbox: costanza.usask.ca

Questions?



The key word is "tasteful"