

Customizing Zimbra Modern UI

Labels

This document is intended to provide instructions on how to get started in editing and customizing the Zimbra Modern Client UI. Many customers would like to make edits to the UI for marketing, branding, and regional language requirements.

For this purpose, we have provided customization capabilities in Modern UI which can be leveraged to achieve this.

Pre-requisites:

Latest supported version of Zimbra Server with Network Edition with an active license.

IDE for editing JSON files. An example is Notepad++, or VSCODE

Steps:

You will switch to Zimbra user to perform all the following steps.

```
$ su - zimbra
```

First create the following directory path and folder

```
$ mkdir /opt/zimbra/jetty/webapps/zimbra/modern/clients/<virtual host name>/
```

<virtual host name> represents URL and host name that is used to access Zimbra Web client in URL. For our example we use: ***mail.mylink.com***

The virtual Host name, the same as the folder name used above, must be added to the Admin Console using either of the two following steps.

Admin Console:

Configure → Domains → Edit domain → Virtual Hosts

Add **<virtual host name>** *if* it is not already present

CLI:

```
$ zmprov md mylink.com +zimbraVirtualHostname mail.mylink.com
```

If either of these two updates were required a restart will be needed next.

```
$ zmmailboxctl restart
```

The path to the customization files should now look like:

```
/opt/zimbra/jetty/webapps/zimbra/modern/clients/mail.mylink.com
```

If not already there, cd into the directory above:

```
$ cd /opt/zimbra/jetty/webapps/zimbra/modern/clients/mail.mylink.com
```

Copy file config.json from the default directory into the directory you created above.

```
$ cp /opt/zimbra/jetty/webapps/zimbra/modern/clients/default/config.json .
```

Create the following directory

```
$ mkdir /opt/zimbra/jetty/webapps/zimbra/modern/clients/mail.mylink.com/intl/
```

Look for your specific region and language file by going to the following directory and executing the find command below:

```
$ cd /opt/zimbra/jetty/webapps/zimbra/modern/scripts/zimbra-locales/
```

You can execute the command below to get a list of regional codes which can be used.

```
$ find . -name 'locale-*.js' | cut -f2- -d'-' | cut -d'-' -f 1
```

Now you can edit the locale file as per your requirements.

```
$ cd /opt/zimbra/jetty/webapps/zimbra/modern/clients/mylink.com/intl/
```

```
$ vi locale-en_US-json.144ef332.chunk.js
```

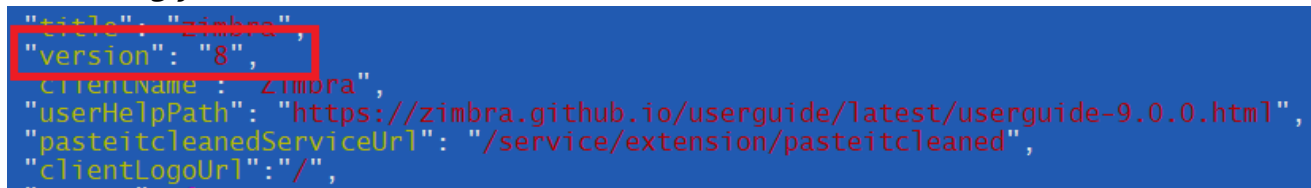
NOTE: The file with title *en_US.js* is specific to US English. You will need to create a similar file with the title of your own language and region code.

For the sake of readability, you should copy the contents of the file into one of the recommended editors or use a Json formatter: Copy contents from starting single quote (') to ending single quote (') and paste the contents to any JSON formatter like <https://jsonformatter.org/>

NOTE: The version number mentioned in the config.json file works as cache buster so whenever you make edits to the UI files, ensure you are updating the version number in the config.json file.

```
$ cd /opt/zimbra/jetty/webapps/zimbra/modern/clients/mail.zimbra.com
```

```
$ vi config.json
```



```
"title": "zimbra",  
"version": "8",  
  "clientname": "zimbra",  
  "userHelpPath": "https://zimbra.github.io/userguide/latest/userguide-9.0.0.html",  
  "pasteitcleanedServiceUrl": "/service/extension/pasteitcleaned",  
  "clientLogoUrl": "/",  
  "routes": {
```

Restart the mailbox service for the changes to take effect.

```
$ zmmailboxdctl restart
```

In the below image we have updated some of the content in the Settings About modal.

Zimbra Modern Web App Version 4.39.0 (build cf31616ec, date 20240821172941)

Server Version 10.1.1_GA_4660 (build 20240819134225)

Connected to server

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Hardcoded

locale file



Disclaimer:

1. Make sure you are using the proper and accepted JSON syntax, or the file will fail. You can use any online validator like <https://jsonlint.com/> to test your file for proper syntax and JSON structure.
2. The copyright section unfortunately is hard coded as per the document.
3. It is highly likely that upgraded will work but, will revert to the default settings so you might want to back up the .json files you're editing and then bring them back after upgrades.

