

Editing ubnetdef.org

How the heck do I put content on ubnetdef.org? What is hugo?! Can someone hold me while I cry?!

0. Installing Hugo

[Hugo](#) is the tool we use to build ubnetdef.org. All hugo does is take some static files, compiles them with our template, then output a bunch of html files.

Please follow the installation guide located [here](#). After you install it, please [read up more about hugo](#).

1. Installing git

We use git for version control, so you're going to need git.

You can use [GitHub Desktop](#), or if you're feeling adventurous [git-bash](#).

2. Clone the website repository

The website is located [here](#). Clone it (which means "download") to your local computer. As a note, now's a good time to ensure you have a GitHub account, and are added to the UBNNetDef GitHub account.

Netdef Repo: <https://github.com/ubnetdef/website.git>

Lockdown Repo: <https://github.com/ubnetdef/lockdown-website>

Git Command:

```
git clone "REPO"
```

After cloning for the first time, there is no need to reclone the repo. To update your copy of the website to the most current version use the command `git pull` from a git CLI in the directory you previously created.

3. Make some changes

You're going to need a terminal open. Run `hugo server` inside the UBNNetDef website directory you just cloned. Visit the URL it shows, and you should see all the changes you did show up automatically. Once your changes are completed, commit, then push them.

4. You're Done!

Once you push them to the GitHub repo, the website will auto-magically download the changes, and build it. Woah! It's magic.

Git commands:

```
git add -A
```

```
git committ -m "Change comments"
```

```
git push
```



Advanced

The hugo directory structure

- Anything inside the `static/` directory automatically gets copied into the `ubnetdef.org`'s website root.
 - Example: If I have a file called `test.txt` inside the `static/` directory, you will be able to access it via `https://ubnetdef.org/test.txt`
- The `content/` directory contains, well, the page content. It is rendered in markdown.

How the building process works

- A webhook is setup on the GitHub repo, that will ping a url once a commit is pushed

- We run [this webhook software](#) that will listen for the “ping” from GitHub, and run a bash script.
- You can see the scripts located in the web-builder user on the [ubnetdef.org webserver](#). The relevant script is located below.

[/home/web-builder/webhooks/scripts/build_hugo_website.sh](#)

```
#!/usr/bin/env bash

## USER CONFIG
WEBSITE=$1
## /USER CONFIG

cd ~/repos/$WEBSITE
git fetch origin > /dev/null
git reset --hard origin/master > /dev/null

echo "Building $WEBSITE..."

echo "-----"
~/bin/hugo
echo "-----"

# Update the the files
rsync -crlpgoDi --delete public/* /web/$WEBSITE/public | while read
unused filename; do
    echo "Updated $filename"
done

# Fix the group
chgrp -hRf web-admins /web/$WEBSITE/public

# Make all files group writable
find /web/$WEBSITE/public -type f -exec chmod 664 {} \;

echo "$WEBSITE has been built and deployed!"
```

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