Current Wiki Setup

Hosting

Currently using a free-tier AWS EC2 instance with the following parameters:

- Instance type: t2.micro
  - vCPUs: 1
  - RAM: 1024MiB
- Region: us-west-1
- OS: Ubuntu 18.04 LTS
- Storage: EBS 30GiB gp2 SSD

Protip: save the `.pem` file into `.ssh` and make an alias in `.zshrc` to quickly connect to the EC2 instance, as such:

snippet.bash

```
alias dokuconnect="ssh -i ~/.ssh/<your key>.pem <username>@<ec2 instance>.compute.amazonaws.com"
```

Domains

All hosted on Namecheap since it's cheaper than Route53.

1. wiki.smirnov.nyc, set up A record to point here
2. sergey.wiki, set up CNAME and A record

Software

NGINX

Stored the following config in `sites-available` and symlinked in `sites-enabled`:

snippet.nginx

```
server {
    listen                  80;
    listen                      [::]:80;
```

```
    server_name          sergey.wiki wiki.smirnov.nyc;
    return 301 https://$server_name$request_uri;
}

server {
    listen [::]:443 ssl;
    listen 443 ssl;

    server_name sergey.wiki|wiki.smirnov.nyc;

    # Maximum file upload size is 4MB - change accordingly if needed
    client_max_body_size 4M;
    client_body_buffer_size 128k;

    root /var/www/dokuwiki;
    index doku.php;

    ssl_certificate /etc/letsencrypt/live/sergey.wiki/fullchain.pem; #
managed by Certbot
    ssl_certificate_key /etc/letsencrypt/live/sergey.wiki/privkey.pem; #
managed by Certbot
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot

    #Remember to comment the below out when you're installing, and
uncomment it when done.
    location ~ /(conf/|bin/|inc/) { deny all; }

    #Support for X-Accel-Redirect
    location ~ ^/data/ { internal ; }

    location ~ ^/lib.*\.(js|css|gif|png|ico|jpg|jpeg)$ {
        expires 365d;
    }

    location / { try_files $uri $uri/ @dokuwiki; }

    location @dokuwiki {
        # rewrites "doku.php/" out of the URLs if you set the userwrite
setting to .htaccess in dokuwiki config page
        rewrite ^/_media/(.*) /lib/exe/fetch.php?media=$1 last;
        rewrite ^/_detail/(.*) /lib/exe/detail.php?media=$1 last;
        rewrite ^/_export/([^/]+)/(.*) /doku.php?do=export_$1&id=$2 last;
        rewrite ^/(.*) /doku.php?id=$1&$args last;
    }

    location ~ \.php$ {
        try_files $uri $uri/ /doku.php;
```

```
        include fastcgi_params;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        fastcgi_param REDIRECT_STATUS 200;
        fastcgi_pass unix:/var/run/php/php7.2-fpm.sock;
        # fastcgi_pass unix:/var/run/php5-fpm.sock; #old php version
    }
}
```

DokuWiki

Running 2018-04-22c “Greebo”, setup as standard.

TODO: List plugins here

S3 Backup

Initial setup

1. Create S3 bucket with unique name
2. Write down Access Key ID and Secret Access Key from your user page on AWS
3. Install AWS CLI on the EC2 instance
4. Install Python 3 and PIP3
5. Run `aws configure` and enter in your keys and region

Python3 script

Install `pip3 install boto3`, then modify the following file to your needs:

snippet.python

```
import boto3
import botocore
import datetime
import os
import re
import tarfile

WIKI_PATH = "/var/www/dokuwiki"
BACKUP_PATH = "~/backups"
```

```
AWS_ACCESS_KEY = "your_access_key_here"
AWS_SECRET_KEY = "your_secret_key_here"
BUCKET_NAME = "your-bucket-name-here"
BUCKET_KEY_PREFIX = "dokuwiki/"

TARGET_DIRS = ['conf', 'data/attic', 'data/media', 'data/meta',
'data/pages']
dirs = [WIKI_PATH + '/' + d for d in TARGET_DIRS]

datestring = re.sub('[^0-9]', '', datetime.datetime.now().isoformat())
filename = '{}/wiki-{}.tar.gz'.format(BACKUP_PATH, datestring)
with tarfile.open(os.path.expanduser(filename), 'w:gz') as tar:
    for dir in dirs:
        tar.add(dir, arcname=os.path.basename(dir))

s3 = boto3.resource('s3')
bucket = s3.Bucket(BUCKET_NAME)

try:
    s3.Object(BUCKET_NAME, BUCKET_KEY_PREFIX +
os.path.basename(filename)).put(Body=open(os.path.expanduser(filename),
'rb'))
except botocore.exceptions.ClientError as e:
    error_code = int(e.response['Error']['Code'])
    print(error_code)
```

Cron job

Scheduled to run daily at 10:00 UTC using `crontab`.

Run `crontab -e` and add the following line:

```
0 10 * * * python3 ~/scripts/s3-backup.py
```

From:
https://sergey.wiki/ - **SergeyWiki**

Permanent link:
https://sergey.wiki/wiki/current_setup?rev=1590057027

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