Getting CMS Up & Running

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CONTENTS:

Add your content using `reStructuredText` syntax. See the [reStructuredText](#) documentation for details.

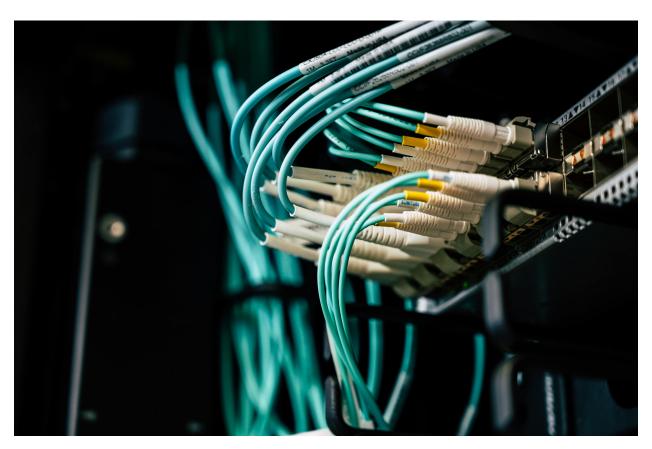**CONTENTS:**

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GHOST CMS INSTALLATION

SETING UP FRONT END

2.1 Domain Name

Configuring DNS entries for your registered domain name is essential for directing internet traffic to your website and associated services. Proper DNS setup ensures that users can access your site using your chosen domain, and that email and other services function reliably.

You can typically find your domain name details in your domain registrar's account dashboard or in the confirmation email you received when you registered the domain. This information is necessary for managing DNS records and verifying domain ownership.

2.1.1 DNS Configuration

Type	Name	Content
A	domain-name.ca	Public IP Address
MX	domain-name.ca	mail.domain-name.ca

2.2 E-Mail Delivery Services

2.2.1 Marketing E-Mail Campaigns (MAILGUN)

> **Important**
>
> To enable Ghost CMS to send authentication emails, newsletters, and marketing messages, you need to configure an email delivery service. Mailgun is natively supported by Ghost CMS, making integration simple and reliable. Just sign up for a Mailgun account, add your domain, and update your Ghost configuration to start sending emails with minimal hassle.

2.2.2 Business E-Mail (Google Workspace)

CONFIGURATIONS

3.1 Nginx

Reverse Proxy Configuration (non-SSL)

```
map $status $header_content_type_options {
    204 "";
    default "nosniff";
}

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

    server_name activcount.ca www.activcount.ca;
    root /var/www/activcount/system/nginx-root; # Used for acme.sh SSL verification
↪(https://acme.sh)

    location / {
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header Host $http_host;
        proxy_pass http://127.0.0.1:2368;

        add_header X-Content-Type-Options $header_content_type_options;
    }

    location ~ /.well-known {
        allow all;
    }

    client_max_body_size 50m;
}
```

> **Important**
>
> This configuration is for a reverse proxy setup with Nginx, which forwards requests to the Ghost CMS instance running on port 2368. Ensure that the server name matches your domain and that the root directory and port number are set correctly.

> **Tip**
>
> You may run the command `ghost ls` to display the port number of the Ghost CMS instance.

Reverse Proxy Configuration (SSL)

```
map $status $header_content_type_options {
204 "";
default "nosniff";
}

server {
    listen 443 ssl http2;
    listen [::]:443 ssl http2;

    server_name activcount.ca;
    root /var/www/activcount/system/nginx-root; # Used for acme.sh SSL verification
↪(https://acme.sh)

    ssl_certificate /etc/letsencrypt/activcount.ca/fullchain.cer;
    ssl_certificate_key /etc/letsencrypt/activcount.ca/activcount.ca.key;
    include /etc/nginx/snippets/ssl-params.conf;

    location / {
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header Host $http_host;
        proxy_pass http://127.0.0.1:2368;

        add_header X-Content-Type-Options $header_content_type_options;
    }

    location ~ /.well-known {
        allow all;
    }

    client_max_body_size 1g;
}
```

3.2 Ghost CMS

configuration.json

```
{
    "url": "https://domain-name.ca",
    "server": {
        "port": 2370,
        "host": "127.0.0.1"
    },
    "database": {
        "client": "mysql",
```

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```json
        "connection": {
            "host": "127.0.0.1",
            "user": "ghost-66",
            "password": "generated_password",
            "database": "ghost_db"
        }
    },
    "mail": {
        "transport": "SMTP",
        "options": {
            "host": "smtp.mailgun.org",
            "port": 587,
            "secure": false,
            "service": "Mailgun",
            "auth": {
                "user": "postmaster@domain-name.ca",
                "pass": "password"
            }
        }
    },
    "logging": {
        "transports": [
            "file",
            "stdout"
        ]
    },
    "process": "systemd",
    "paths": {
        "contentPath": "/var/www/ghost-cms-website/content"
    }
}
```

FOUR

FREQUENTLY USED COMMANDS

4.1 To specify the Node.js versionto use for Ghost CMS

```
$ nvm use 20.11.1
```

4.2 To list information about the Ghost CMS instance

```
$ ghost ls
```