# Preparation

There are some things we need to do in preparation to install this service.

# Volumes

**Persistent Data**

This is where the service will store its own application data and ensures we can quickly update the service image.

> Ensure your user has permissions to access the folder.

# Environment

**DB_USER**

This is the user name that will be used behind the scenes to log into the database.

> *For example:* fider_admin

**BASE_URL**

This is the URL that the service will be hosted and accessible through.

> *For example:* fider.example.com

**EMAIL_NOREPLY**

This is the email address that will be attached to email notifications and should not be replied to because the inbox is not monitored or is non existent.

> *For example:* noreply@fider.example.com

**EMAIL_SMTP_HOST**

This is the host address of your email server.

> *For example:* smtp.gmail.com

**EMAIL_SMTP_PORT**

This is the port used by your email server.

> *For example:* 587

**EMAIL_SMTP_USERNAME**

This is the account user name used by your email server.

> *For example:* example@gmail.com

**EMAIL_SMTP_ENABLE_STARTTLS**

This enables StartTLS, which is used by the email server to upgrade insecure connections to one using TLS or SSL.

> *Recommended:* true

# Passwords

> Keep these securely stored in a password manager, such asVaultWarden.

### DB_PASS

This is the password that will be used for root access to the database.

> It is important to use secure, randomly generated password.

You can use a random alphanumeric string from a password manager, or open the terminal and run the command:

```
tr -dc 'A-Za-z0-9!"#$%&'\''()*+,-./:;<=>?@[\]^_`{|}~' </dev/urandom | head -c 32; echo
```

This pulls a random string from the 'urandom' device, removes unwanted characters and trim it to an appropriate length.

### JWT_SECRET

This is the secret that will be used for validating users who are logged into the service.

> It is important to use secure, randomly generated token.

You can use a random alphanumeric string from a password manager, or open the terminal and run the command:

```
tr -dc 'A-Za-z0-9!' </dev/urandom | head -c 32; echo
```

This pulls a random string from the 'urandom' device, removes unwanted characters and trim it to an appropriate length.

### EMAIL_SMTP_PASSWORD

This is the password for logging into your email account for sending administrative notifications.

> When possible, you should use app passwords.

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