

1. HOW TO SEND EMAILS FROM GRAPE IN POSTGRESQL

1.1 Setup

The following needs to be set up in order to send emails from within SQL functions:

1. **smtp** settings in config

```
smtp: {  
  host: 'mail.platsoft.net',  
  from: 'Merlot <merlot-live@platsoft.net>',  
  secureConnection: true,  
  port: 465,  
  auth: {  
    user: 'username',  
    pass: 'password'  
  }  
}
```

2. **email_template_directory** in config containing templates, typically **__dirname + '/email_templates'**

1.2 Send an email

Call **grape.send_email** (*to* TEXT, *template* TEXT, *data* JSON, *headers* JSON) to send an email. The values of the parameters should be as follows:

- **to** Email address of receiver
- **template** Template name (see **Email templates** below)
- **data** Template data
- **headers** Optional - this is an array of additional headers to include in the email. For example: `{'X-Key1': 'value', 'X-Key2': 'value'}`

1.3 Custom headers

Commonly used custom headers:

- **From:** Change the From field
- **Reply-To:** Reply To field

1.4 Email templates

Email templates live in the **email_template_directory** defined in the app's config. Each template has 4 files (each starting with the specified **templatename**):

- **templatename.subject** - To generate the subject
- **templatename.text** - To generate the plain-text body of the email
- **templatename.html** - To generate the HTML body of the email
- **templatename.attachments** - To generate a list of attachments to include in the email

Underscore's template engine is used. The data sent to **grape.send_email** (*to*, *template*, *data*) is accessible inside the template files. For example, if an email is called with the following data:

```
{ "firstname": "Piet" }
```

The field **firstname** is accessible inside of the templates using `<%= firstname %>`

1.5 Example

A typical welcome email will have the following templates (assuming the template name is **welcome**):

welcome.subject:

```
Hi <%= firstname %>! Welcome to <%= product_name %>
```

welcome.text:

```
Hi <%= firstname %>!  
Welcome to <%= product_name %>.  
  
Your login details are as follows:  
Username: <%= username %>  
Password: <%= password %>  
  
Goodbye
```

The HTML file is optional, and follows the same pattern.

This template must be called with a JSON object containing at least fields **firstname**, **product_name**, **username** and **password**. To send this email, call the `grape.send_email` function:

```
SELECT grape.send_email('piet@platsoft.net', 'welcome',  
'{"firstname": "Piet",  
"product_name": "Some System",  
"username": "Piet",  
"password": "Piet123"}'::JSON);
```