Interesting information for FOLIO SysAdmins

Technical documentation and design available at: https://wiki.folio.org/x/eRguAg

SMTP configuration

To retrieve a list of SMTP entries:

GET /smtp-configuration

To create a new SMTP entry:

POST /smtp-configuration

{    "module": "SMTP_SERVER",    "configName": "email",    "code": "EMAIL_FROM",    "description": "smtp from",    "default": true,    "enabled": true,    "value": "noreply@folio.org"  }

To delete a SMTP entry:

DELETE /smtp-configuration/{smtpConfigurationId}

- Entry ID can be looked up in the result of a GET call.

To update an existing entry:

PUT /smtp-configuration/{smtpConfigurationId}

{    "module": "SMTP_SERVER",    "configName": "email",    "code": "EMAIL_FROM",    "description": "smtp from",    "default": true,    "enabled": true,    "value": "noreply@folio.org"  }

- Entry ID can be looked up in the result of a GET call.

Minimum viable configuration for module SMTP_SERVER consists of 5 entries:

- EMAIL_SMTP_HOST
- EMAIL_SMTP_PORT
- EMAIL_USERNAME
- EMAIL_PASSWORD
- EMAIL_FROM

Custom headers

Custom headers are configured by creating entries in mod-configuration with following (required) properties
{  
  "module": "SMTP_SERVER",  
  "configName": "email.headers",  
  "code": "HEADER_NAME_HERE",  
  "value": "HEADER_VALUE_HERE"  
}

Where HEADER_NAME_HERE should be replaced with the name of your custom header, e.g. X-SES-CONFIGURATION-SET, and HEADER_VALUE_HERE should be replaced with desired value.

Values of properties module and configName should NOT be changed, and are required in order to be discovered by mod-email and treated as custom header configurations.

You can configure as many custom headers as you want as long as they have different code values.

**Troubleshooting problems**

**Logical chain:**

1) Check notification system

2) Check SMTP configuration (setup and working)

3) Check email status (/emails):

   ```
   GET /email
   Available query parameters:
   - offset: (integer - default: 0 - minimum: 0 - maximum: 2147483647)
   - limit: (integer - default: 10 - minimum: 0 - maximum: 2147483647)
   - query: (string) Example: ?query=status=FAILURE
     more info about CQL: http://zing.z3950.org/cql/intro.html
   ```

   Example request with parameters.
   ```
   /email?limit=100&query=status=FAILURE+and+to=student@folio.org
   ```

   Fields to look at:
   - status (FAILURE when sending failed)
   - message (contains error message when sending failed)

   Possible error messages:
   - Error in the 'mod-email' module, the module didn't send email / message: invalid email address

   SMTP configuration issues:
   - Error looking up config at url=%s | Expected status code 200, got %s | error message: %s
   - The 'mod-config' module doesn't have a minimum config for SMTP server, the min config is: %s

4) Check the list of scheduled notices:

   ```
   GET /scheduled-notice-storage/scheduled-notices
   ```

   Notices can be filtered by loan, recipient, triggering event, etc:
   ```
   GET /scheduled-notice-storage/scheduled-notices?query=recipientUserId==429d212c-c646-4c75-ba3d-c16216491123
   ```

5) More on scheduled notices API: [here](#)

   - Check logs in the following modules:
     mod-circulation, mod-email, mod-template-engine, mod-sender, mod-notify

   Okapi logs:
   ```
   vagrant ssh
   /var/log/folio/okapi/okapi.log
   ```
Specific module logs:

`vagrant ssh`

`docker ps` (to find container id)

`docker logs {container_id}` (more on this command [here](#))