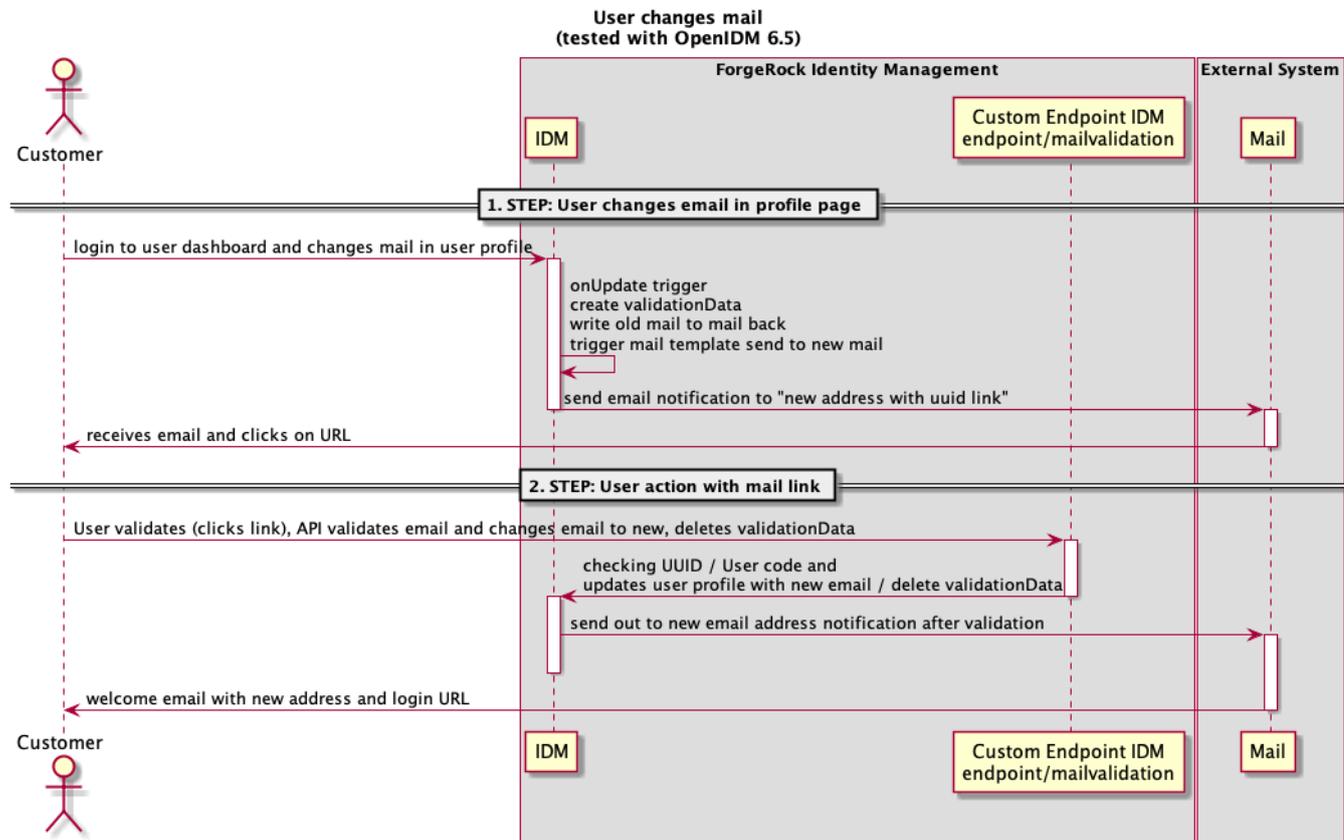


Change mail example for IDM 6.5

This example is showing the ability that user can change his/her mail address by verifying the new mail address through a one time code.

Flow



prep

1. base is just the idm example under samples/sync-with-csv
2. mailHelper.js file to ./script
3. emailTemplate-verifyChange.json file to ./conf
4. new managed.json in ./conf
5. custom rest endpoint mailvalidation ./conf and ./script
6. Mail configuration to receive mails ./conf
7. access.js in ./script to allow calling custom rest endpoint

Detail description of the flow

User changes mail address

User logs in dashboard <http://localhost:8080/#/profile> and changes mail address This will trigger the onUpdate script of user managed object

onUpdate script:

```
require('onUpdateUser').preserveLastSync(object, oldObject, request);require('mailHelper').checkChange(context, 'mail', object, oldObject);
```

checkChange is called in mailHelper.js (.script/) This creates:

```
"verificationData": {
  "mail": {
    "code": 72594,
    "value": "bjensen@test4.com"
  }
}
```

NOTE that the new email is now in verificationData.mail.value and old mail is still in user.mail

Mail is send out to new users mail with URL to click for mail change verificationData

mail send out part of the code:

```

var emailConfig = openidm.read("config/external.email"),
    Handlebars = require('lib/handlebars'),
    emailTemplate = openidm.read("config/emailTemplate/verifyChange");

// revert the change to the attribute, pending verification
object[attribute] = oldObject[attribute];

// copied from onCreateUser.emailUser()
var email,
    template,
    locale = emailTemplate.defaultLocale;

email = {
  "from": emailTemplate.from || emailConfig.from,
  "to": object.verificationData[attribute].value,
  "subject": emailTemplate.subject[locale],
  "type": "text/html"
};

template = Handlebars.compile(emailTemplate.message[locale]);

email.body = template({
  "object": object,
  "verification": object.verificationData[attribute]
});

// do NOT wait for completion, so that this call will succeed even if email fails to send
openidm.action("external/email", "send", email, { waitForCompletion: false });

{{host}}:{{port}}/openidm/endpoint/mailvalidation?code=72594&userid=bjensen

```

User checks mail and clicks to URL for verification

endpoint/mailvalidation

The call reads user object (as in userid=bjensen) and checks code value users object is updated with mail=newMailAddress

Final mail is send out to user.

Thanks to

Jake for initial scripts (especialliy to call the mail template!!!)

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One-Way Sync With CSV Sample

This sample demonstrates reconciliation between a CSV file and the managed/user repository. For documentation relating to this sample, see <https://backstage.forgerock.com/docs/idm/6.5/samples-guide#chap-sync-with-csv>



Source Code of this example is under <https://stash.forgerock.org/users/hanns.nolan/repos/openidm65-mailchange-example/browse>

Related articles

- [Amazon RDS as an Identity Management Repository](#)
- [Developing Against DB2](#)
- [Change mail example for IDM 6.5](#)
- [Password Reset per email](#)
- [Bulk Import of users with rolemembership](#)