Copy of REST API - POST /activation/user - I16

Change Log

Date	Change	Comments
Jan 19, 2021	• remove call IWS GetOnlineUserDataForIdentifier to validate the input or generated username • username that matches MSISDN or BAN regEx is not allowed	origin: IWS refactoring PCR
Feb 25, 2021	Edge case error code coming from ULM core, for special charectors	Identified in password input, but might be relevant for other parameters
Apr 07, 2021	• User status based on autoregistrationStatus - specify in the Sequence diagram • remove error code "username-already-used" from error-codes list, and from sequence diagram (not relevant now that GetOnlineUserDataForIdentifier is not called as part of the flow)	
June 13, 2022	Baykom Security PCR: • Optional userType as an input parameter (for Baykom users) • Baykom user type in the sequence diagram • Improve example for Baykom	

General

Scope and Description

Customized version of the standard MINT /activation/user API.

Baykom PCR

Enable POSTing Baykom EBOS users (provisioning) with a dedicated usetType.

The main change for Baykom Users provisioning:

- The Baykom userType is an optional input parameter for the API.

Link to Business Requirement

- see SDD 4.5.1.2 - Autoregistration
- see SDD 4.5.1.42 - LIG-IWS RegisterOnlineUserV2(Baykom)
- see ULM6.x upgrade SDD 2.4 - M2M APIs Authentication

Assumptions

none

Pre Conditions

- M2M /activation interface requires **HTTP X-Partner-AUTHZ header**, which contains the Base64 encoded Partner Key and Partner Secret
- The partnerKey and partnerSecret are obtained from ULM during Partner registration

Post Conditions

- [success] user is created in MINT
- [failure] user is not created and error response provided to the client

Technical Description

This API is used to create a new user in MINT.

In case no username is provided username is derived as "firstname.lastname" where firstname and lastname are provided to this API. The availability of the username is checked against IWS. In the event this username is not available a new username is calculated by adding a sequence number to the username until an available username is found.

In case a username is given only the provided username is checked against IWS.

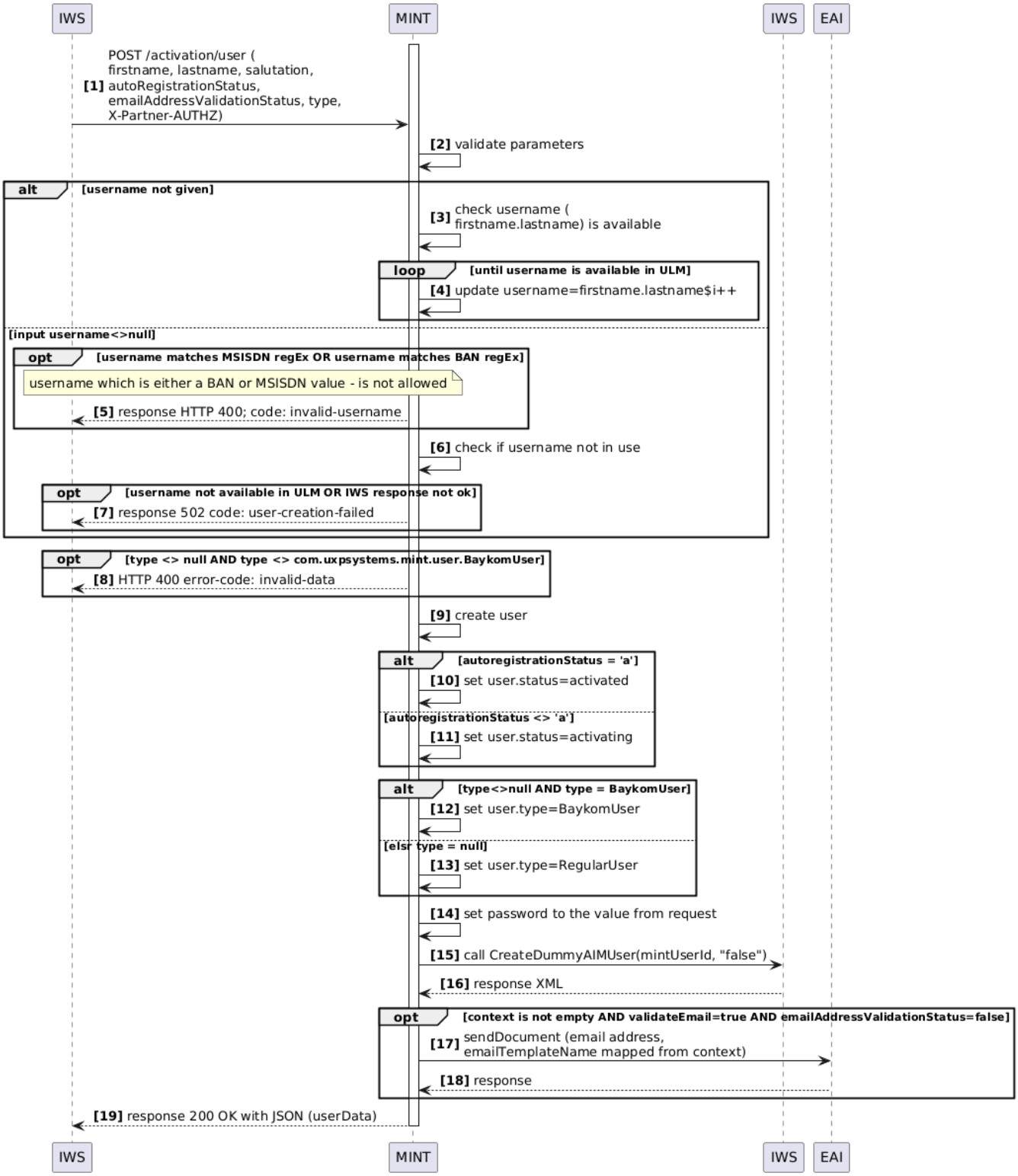
A user with this username is then created in MINT and AIM (via IWS).

Interface Type	Online	Connection Type	Format	Protocol	Security	Remark
HTTP	O	synchronous	JSON	HTTP	TLS	backend API. Not to be available in the frontend

`URI: {{url}}/activation/user`

Supported HTTP Method: POST

Interaction Flow



Data Structure for API

request Structure

This request structure is tailored to the mentioned use cases in the business requirements. For a complete list of available parameters please see the section on the data model.

Name	Mandatory	Data Type	Description	possible values
type	CM (for Baykom)	String	The Baykom userType	• null • com.uxpsystems.mint.user.BaykomUser
firstname	M	String	firstname of user	
lastname	M	String	lastname of user	
autoregistrationStatus	M	String	status of the autoregistration	"c", "i" or "a"
salutation	M	String	salutation for the user	Herr, Frau
username	O	String	username	
password	M	String	cleartext password - maps to user.credential	
emailAddress	O	String		
validateEmail	O	Boolean	whether to make a call to SendDocument if emailAddressValidationStatus = `false`	`true`, `false`; default - `true`
emailAddressValidationStatus	O	String	"true" in case the emailAddress is validated	true, false
contactPhoneNumber	O	String		
context	M	String	used to map to name of email template for sendDocument	empty value ("") is also possible

** CM - conditionally mandatory

Response Structure

The response payload will contain the complete user object created. Structure of the payload is described in the Data Model section. Note that the de.vodafone.user.onlineUserId user attribute will be displyed instead of de.vodafone.user.partyRoleId. The user object does not have to be persisted and can be received via the GET /user call at any time as well.

Error Codes

HTTP Status	MINT error code	Remark
400	invalid-data	error is returned in case the provided parameters or not correct
400	invalid-password	error is returned in case the given password does not match the required policies
400	invalid-username	error is returned in case the given username does not match the required policies
502	user-creation-failed	error is returned in case creation of a user failed
401	invalid-emailaddress	emailaddress is valid
400	UNKNOWN	error message for password param: "message":"HTML-like string are not allowed (through reference chain: com.uxpsystems.mint.common.vodafone.model.AutoRegisterUser[\"password\"])" This is preventing charectore like <> from being submitted, which can include malicious code.

Example Usage

Scenario:

Creation of a user for hans meier. The username "hans.meier" is already used, as well as the name names hans.meier(1,6).

Example Request

Raw JSON

```
POST {{url}}/activation/user
Headers:
    Content-Type = Application/JSON
    X-Partner-AUTHZ =
YTdjZDQ1YWMtNGU3Yi00MmViLWI0YmUtYzlmOGM1MzZkZDc0OkluYXBxMzhVSU1Talg1N0hwK1drblNFUWFSZjhBOTdlL2thSS9mQlkyNjg=
Body
{
    "autoregistrationStatus": "i",
    "firstname": "hans",
    "lastname": "meier",
    "salutation": "Herr",
        "password": "Pa#$word",
        "validateEmail": true,
    "emailAddressValidationStatus": "false",
    "context": "myContext"
}
```

Example Request for Baykom Users POSTing

Raw JSON

```
POST {{url}}/activation/user
Headers:
    Content-Type = Application/JSON
    X-Partner-AUTHZ =
YTdjZDQ1YWMtNGU3Yi00MmViLWI0YmUtYzlmOGM1MzZkZDc0OkluYXBxMzhVSU1Talg1N0hwK1drblNFUWFSZjhBOTdlL2thSS9mQlkyNjg=
Body
{
         "type": "com.uxpsystems.mint.user.BaykomUser",
        "autoregistrationStatus": "i",
        "username": "someBaykomUsername@bayern4",
    "firstname": "Hans",
    "lastname": "Meier",
    "salutation": "Herr",
        "password": "Pa#$word",
    "emailAddress": "user@operator.com",
    "validateEmail": false,
    "emailAddressValidationStatus": "true",
    "context": "myContext"
}
```

Example Response

Status & Headers

```
200 OK Time 112 ms

Date: Thu, 27 June 2016 14:45:13 GMT
Transfer-Encoding: chunked   Server: Apache-Coyote/1.1
Content-Type: application/json;charset=UTF-8
```

The Response contains the complete User Object as defined in the data model. The result of this call does not need to be persisted and is for informational purposes only. It can also deviate from the user data model depending on context. As an example, the fields 'createdDate' and 'activatedDate' might or might not be available. This does not have an impact because these values are not meant to be used in the context of this project.

Raw JSON

```
{
  "id": 100,
  "type": "com.uxpsystems.mint.user.RegularUser",
  "displayName": "John Smith",
  "status": "activated",
 "activatedDate":1503578193914,
  "usernames": [
    {
      "id": 0,
      "name": "4917209123456",
      "type": "Username",
      "primary": false,
      "createdDate": 1452798917863
    },
    {
      "id": 1,
      "name": "user@operator.com",
      "type": "Username",
      "primary": true
    }
  ],
  "emailAddress": "user@operator.com",
  "createdDate ":1503578193914,
  "updatedDate":"1503578213005",
  "attributes": [
    {
      "name": "de.vodafone.user.contactPhoneNumber",
      "value": "xxx"
    },
    {
      "name": "de.vodafone.user.emailAddressValidationStatus",
      "value": "xxx"
    },
    {
      "name": "de.vodafone.user.salutation",
      "value": "Herr"
    },
    {
      "name": "de.vodafone.user.firstname",
      "value": "John"
    },
    {
      "name": "de.vodafone.user.lastname",
      "value": "Smit"
    },
    {
      "name": "de.vodafone.user.partyId",
      "value": "0"
    },
    {
      "name": "de.vodafone.user.onlineUserId",
      "value": "1"
    },
    {
      "name": "de.vodafone.user.loginSuccessCounter",
      "value": "1"
    },
    {
      "name": "de.vodafone.user.lastLoginDate",
      "value": "1452798874832"
    },
    {
      "name": "de.vodafone.user.loginErrorCount",
      "value": "1"
    },
    {
      "name": "de.vodafone.user.loginLastFailureDate",
      "value": "1452798874832"
    },
    {
      "name": "de.vodafone.user.loginInitialFailureDate",
```

```
      "value": "1452798874832"
    },
    {
      "name": "de.vodafone.user.passwordLastChangeDate",
      "value": "1452798874832"
    },
    {
      "name": "de.vodafone.user.resetPasswordLastMailDate",
      "value": "1452798874832"
    },
    {
      "name": "de.vodafone.user.addContractErrorCounter",
      "value": "0"
    },
    {
      "name": "de.vodafone.user.addContractLastFailureDate",
      "value": ""
    },
    {
      "name": "de.vodafone.user.addContractFirstFailure",
      "value": ""
    },
    {
      "name": "de.vodafone.user.autoRegistrationStatus",
      "value": "f"
    },
    {
      "name": "de.vodafone.user.notificationFlag",
      "value": "0"
    },
    {
      "name": "de.vodafone.user.migratedFlag",
      "value": "yes"
    },
    {
      "name": "de.vodafone.user.privacyPermissionFlag",
      "value": ""
    },
    {
      "name": "de.vodafone.user.privacyPermissionDate",
      "value": ""
    },
    {
      "name": "de.vodafone.user.activeDSLMboId",
      "value": "1111"
    },
    {
      "name": "de.vodafone.user.activeMobileMboId",
      "value": "1112"
    },
    {
      "name": "de.vodafone.user.activeCableAccountId",
      "value": "1113"
    }
  ]
}
```


Dependencies

providing system	interface	description	parameters	comment
IWS	`CreateDummyAIMUser`	create user in AIM	mint user id, migrationStatus=" false"	

~~IWS~~	~~`getOnlineUserDataForIdentifier`~~ –	~~check if a given username is available~~	~~identifier(username)~~	~~called in a loop until suitable username is found~~
ESB Router	CustomerDocument-003: SendDocument	send email verification to user	template, email address	AuthN via HTTPS/BasicAuth

Invocation Schedules

The client decides on the schedule