Identity REST APIs

APPSON

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# Token

An encrypted unique identifier being generated using JWT which is an open standard that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. information can be verified and trusted because it is digitally signed.

Token consists of three parts separated by dots (.) as follows:

* Header
* Payload
* Signature

and typically looks like this: xxxxx.yyyyy.zzzzz

# Start Authentication using Phone Number

Starts authentication by sending a random code to the user and returning a verification ID. AlreadyExists parameter can be used to emphasize if user already has an account or not.

## End point

*POST /api/authentication/phonenumber/start*

## Request parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Required |
| PhoneNumber | String | Yes |
| AlreadyExists | Boolean | No |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| VerificationId | String | Randomly generated identifier for the current verification transaction. This can be passed to complete authenticaton. |

## Example request

{

"phonenumber": "09120000000",

"alreadyexists": "true"

}

## Example result

{

"VerificationId": "FfNjwjAYHso=",

"AccountId": "IUZYXO7I2URUHO6ZB4ZFK3VIQRJQ"

}

# Commit Authentication using Phone Number

Authenticates user by verification code, verification ID and phone number. This API should be called following a call to “Start Authentication”, within a limited timeout.

It is recommended to pass “VerificationId” in the input, but “PhoneNumber” can be used as well instead. In that case, the latest valid transaction for the specified phone number is considered. In spite of being optional, either of the two inputs should be present in the input.

## End point

*POST /api/authentication/phonenumber/commit*

## Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| VerificationCode | String | Yes | The random code that has been sent to the user when starting a verification transaction. |
| PhoneNumber | String | No |  |
| VerificationId | String | No | Value returned by “Start Authentication” API call |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| IdToken | String | Encrypted Token ID |

## Example request

{

"verificationcode": "08507",

"phonenumber": "09120000000",

"verificationid": "FfNjwjAYHso="

}

## Example result

{

"IdToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ",

"AccountId": "IUZYXO7I2URUHO6ZB4ZFK3VIQRJQ"

}

# Associate Telegram ID to phone number

Associates account ID, telegram ID and phone number all together. This API should be called following a call to “Start Authentication”, within a limited timeout.

It is recommended to pass “VerificationId” in the input, but “PhoneNumber” can be used as well instead. In that case, the latest valid transaction for the specified phone number is considered. In spite of being optional, either of the two inputs should be present in the input.

## End point

*POST* /api/authentication/phonenumber/commit/set/telegramid

## Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| VerificationCode | String | Yes | The random code that has been sent to the user when starting a verification transaction. |
| TelegramId | String | Yes |  |
| PhoneNumber | String | No |  |
| VerificationId | String | No | Value returned by “Start Authentication” API call |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| IdToken | String | An encrypted unique string per request |

## Example request

{

"verificationcode": "08507",

"telegramid": "sample.id",

"phonenumber": "09120000000",

"verificationid": "FfNjwjAYHso="

}

## Example result

{

"IdToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ",

"AccountId": "IUZYXO7I2URUHO6ZB4ZFK3VIQRJQ"

}

# Get account IDs by phone number

Takes a single or an array of phone number strings as the user identifiers, returns related account IDs and phone numbers.

## End point

*POST* /api/account/id/get/byphonenumber

## Request parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Required |
| UserIdentifiers | String [] | Yes |
| AutoCreate | Boolean | No |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| AccountId | String | User account ID |
| UserIdentifier | String | Phone number |

## Example request

{

"UserIdentifiers": ["09120000000", "09120000001"],

"autocreate": "false"

}

## Example result

[{

"Result": {

"AccountId": "RIFYXFV4BA6UDO7W5LDO7GFWH3FA",

"UserIdentifier": "09120000000"

},

"IsValid": true

},

{

"Result": {

"AccountId": "HE43JUHDG7NUXCUSUJCCKDPJAEPA",

"UserIdentifier": "09120000001"

},

"IsValid": true

}]

# Get account IDs by telegram ID

Takes a single or an array of telegram IDs as the user identifiers, returns related account IDs and telegram IDs.

## End point

*POST* /api/account/id/get/bytelegramid

## Request parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Required |
| UserIdentifiers | String [] | Yes |
| AutoCreate | Boolean | No |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| AccountId | String | User Account Id |
| UserIdentifier | String | Telegram ID |

## Example request

{

"UserIdentifiers": ["sample.id", "telegram.id"],

"autocreate": "false"

}

## Example result

[{

"Result": {

"AccountId": "RIFYXFV4BA6UDO7W5LDO7GFWH3FA",

"UserIdentifier": "sample.id"

},

"IsValid": true

},

{

"Result": {

"AccountId": "HE43JUHDG7NUXCUSUJCCKDPJAEPA",

"UserIdentifier": "telegram.id"

},

"IsValid": true

}]

# Get account profile by ID

Takes a single account ID, returns Account Profile object containing phone number and telegram ID.

## End point

GET /api/account*/profile/{accountId}*

## Request parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Required |
| AccountId | String | Yes |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| Phone | String | User phone number |
| TelegramId | String | User telegram ID |

## Example request

api/account/profile/accountId?accountId=RIFYXFV4BA6UDO7W5LDO7GFWH3FA

## Example result

{

"Phone": "09120000000",

"TelegramId": "sample.id"

}

# Get account profile by token

Takes a token, returns Account Profile object containing phone number and telegram ID.

## End point

GET /api/account*/my/profile*

## Request header

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| Token | String | An encrypted unique string per request |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| Phone | String | User phone number |
| TelegramId | String | User telegram ID |

## Example request

/api/account*/my/profile*

Token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ

## Example result

{

"Phone": "09120000000",

"TelegramId": "sample.id"

}

# Associate SIM Information to phone number

Associates account ID, SIM Information and phone number all together. This API should be called following a call to “Start Authentication”, within a limited timeout.

It is recommended to pass “VerificationId” in the input, but “PhoneNumber” can be used as well instead. In that case, the latest valid transaction for the specified phone number is considered. In spite of being optional, either of the two inputs should be present in the input.

## End point

*POST* /api/authentication*/phonenumber/commit/set/siminformation*

## Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| VerificationCode | String | Yes | The random code that has been sent to the user when starting a verification transaction. |
| SubscriberId | String | Yes |  |
| SerialNumber | String | Yes |  |
| Type | Operator | Yes | An enum to indicate mobile network operator type |
| PhoneNumber | String | No |  |
| VerificationId | String | No | Value returned by “Start Authentication” API call |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| IdToken | String | An encrypted unique string per request |

## Example request

{

"VerificationCode": "38578"

"SubscriberId": "432350044720590",

"SerialNumber": "89984320000369280964",

"Type": "0",

"PhoneNumber": "09120000000",

}

## Example result

{

"IdToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ",

"AccountId": "IUZYXO7I2URUHO6ZB4ZFK3VIQRJQ"

}

# Get account IDs by SIM Information

Takes an array of SIM Informations, returns related account IDs.

## End point

*POST* /api/account/id/get/bysiminformation

## Request parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Required |
| SimInformations | SimValidationInput[] | Yes |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| AccountId | String | User Account ID |
| SubscriberId | String |  |
| SerialNumber | String |  |
| Type | Operator | An enum to indicate mobile network operator type |

## Example request

{

"siminformations":

[

{"SubscriberId": "432350044720590","SerialNumber": "89984320000369280964","Type": "0"},

{"SubscriberId": "432350044720588","SerialNumber": "89984320000369280962","Type": "2"}

]

}

## Example result

[{

"Result": {

"AccountId": "KASOBFW2W76E3MBKS6B5SYRZ5I4A",

"SubscriberId": "432350044720590",

"SerialNumber": "89984320000369280964",

"Type": 0

},

"IsValid": true

},

{

"Result": {

"AccountId": "UZUAYHZOKOGULLKVL3EQEIVPITGA",

"SubscriberId": "432350044720588",

"SerialNumber": "89984320000369280962",

"Type": 2

},

"IsValid": true

}]

# Commit Authentication using SIM Information

A one-call authentication API which authenticates user by Subscriber ID, Serial Number and Operator type. If SIM Information matched any account, returns a token for that account.

## End point

*POST /api/authentication/siminformation/commit*

## Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| SubscriberId | String | Yes |  |
| SerialNumber | String | Yes |  |
| Type | Operator | Yes | An enum to indicate mobile network operator type |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| IdToken | String | Encrypted Token ID |
| AccountId | String | User Account ID |

## Example request

{

"SubscriberId": " 432350044720590 ",

"SerialNumber": "89984320000369280964",

"Type": "0"

}

## Example result

{

"IdToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ",

"AccountId": "IUZYXO7I2URUHO6ZB4ZFK3VIQRJQ"

}

# JS SDK

JS script should be put in the head tag, and Login function should be called for login operation.

## End point

<script src="http://s1identity:94/libs/js/authentication/v/1"></script>

## Function

|  |  |
| --- | --- |
| Name | Value Description |
| Login | User login function |

## Function Parameters

|  |  |
| --- | --- |
| Key | Value Description |
| Options | Is currently empty |
| Callback function | For success or failure |

## Callback Result

|  |  |  |
| --- | --- | --- |
| Key | Value Type | Value Description |
| Success | Boolean | Logon operation was successful or not |
| Token | String | User token |

## Sample usage

<script>

appson.login(

{},

function (result) {

if (result.success)

document.getElementById('txtResult').value = result.token.toString();

else

alert('Error in authentication');

}

);

</script>

## Example result

{

"success": "true",

"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ"

}

# Response Status Codes

|  |  |
| --- | --- |
| Status Code | Description |
| 200 | OK – the request has succeeded. The client can read result of the request in the body |
| 400 | Bad Request - The request could not be understood by the server due to malformed syntax. |
| 404 | The requested resource could not be found. This error can be due to a temporary or permanent condition. |
| 500 | Internal Server Error. You should never receive this error but if you get one, please report it to us |