



RTS USER PREFERENCE

API Integration



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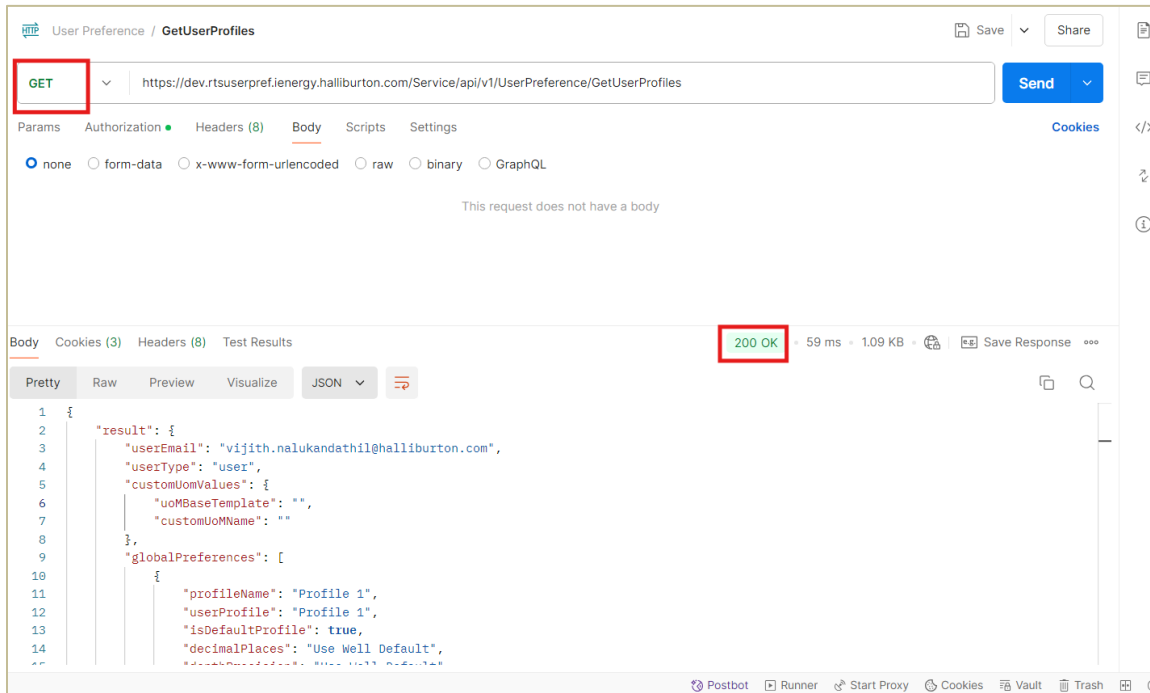
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APIS USED IN USERPREFERENCE

Get User Profiles

Link: <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetUserProfiles>



Get User Profiles by User Email

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetUserProfilesByUserEmail>

Request Sample:

Body:

```
{
  "userEmail": "vijith.nalukandathil@halliburton.com"
}
```

The screenshot shows a REST client interface for a POST request to `https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetUserProfilesByUserEmail`. The request body is a JSON object with `"userEmail": "vijith.nalukandathil@halliburton.com"`. The response is a 200 OK status with a response time of 48 ms and a size of 1.09 KB. The response body is displayed in JSON format, showing a successful result with user profile details.

```
1 {
2   "userEmail": "vijith.nalukandathil@halliburton.com"
3 }
```

Body Cookies (3) Headers (8) Test Results 200 OK • 48 ms • 1.09 KB Save Response

```
1 {
2   "result": {
3     "userEmail": "vijith.nalukandathil@halliburton.com",
4     "userType": "user",
5     "customUomValues": {
6       "uoMBaseTemplate": "",
7       "customUoMName": ""
8     },
9     "globalPreferences": [
10      {
11        "profileName": "Profile 1",
12        "userProfile": "Profile 1",
13        "isDefaultProfile": true,
14        "decimalPlaces": "Use Well Default",
15        "dashBaseTemplate": "Use Well Default"
16      }
17    ]
18   }
19 }
```

UpdateUserSettings

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UpdateUserSettings>

The screenshot shows a REST client interface for a PUT request to `https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UpdateUserSettings`. The request body is a JSON object with `"userEmail": "vijith.nalukandathil@halliburton.com"` and `"profileName": "james"`. The response is a 200 OK status with a response time of 61 ms and a size of 539 B. The response body is displayed in JSON format, showing a successful result with `"result": true` and `"error": null`.

```
1 {
2   "userEmail": "vijith.nalukandathil@halliburton.com",
3   "userType": "user",
4   "customUomValues": {
5     "uoMBaseTemplate": "",
6     "customUoMName": ""
7   },
8   "globalPreferences": [
9     {
10      "profileName": "james",
11      "userProfile": "Profile 1",
12      "isDefaultProfile": true,
13      "decimalPlaces": "Use Well Default",
14      "dashBaseTemplate": "Use Well Default"
15    }
16   ]
17 }
```

Body Cookies (3) Headers (8) Test Results 200 OK • 61 ms • 539 B Save Response

```
1 {
2   "result": true,
3   "error": null
4 }
```

```
Body: {
  "userEmail": "*****",
  "userType": "user",
  "customUomValues": {
    "uoMBaseTemplate": "",
    "customUoMName": ""
  },
  "globalPreferences": [
    {
      "profileName": "james",
      "userProfile": "Profile 1",
      "isDefaultProfile": true,
      "decimalPlaces": "Yes",
      "depthPrecision": "0",
      "isUTC": false,
      "timeZone": "(GMT) Casablanca",
      "uoMId": "Use Well Default"
    }
  ],
  "profileAssignments": {
    "useWelldefault": true,
    "useDefaultProfile": false,
    "regions": [],
    "applications": []
  },
  "notifications": {
    "emailNotifications": [],
    "pushNotifications": []
  },
  "createdDate": "2024-09-20T05:25:12.604Z"
}
```

GetGlobalPreferenceSettings

Link:
<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetGlobalPreferenceSettings>

User Preference / GetGlobalPreferenceSettings

SaveShare

GEThttps://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetGlobalPreferenceSettingsSend

ParamsAuthorizationHeaders (8)BodyScriptsSettingsCookies

noneform-datax-www-form-urlencodedrawbinaryGraphQL

This request does not have a body

BodyCookies (3)Headers (8)Test Results

200 OK93 ms923 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "result": {
3     "sessionTimeout": 10,
4     "profileCharacterCount": 30,
5     "depthPrecision": [
6       "Use Well Default",
7       "0",
8       "1",
9       "2",
10      "3",
11      "4"

```

Get Preferences

Link: <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/Preferences>

REST client interface showing a POST request to `https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/Preferences`. The request body is a JSON object:

```
1 {
2   "email": "sangeetha.puthiyaveetil@halliburton.com",
3   "originatingIp": "10.0.1.20",
4   "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
5   "application": "ETP"
6 }
```

The response is a 200 OK status with a response time of 127 ms and a body size of 675 B. The response body is a JSON object:

```
1 {
2   "preferences": [
3     {
4       "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
5       "decimalPlaces": 1,
6       "depthPrecision": 4,
7       "timeZone": "(GMT-06:00) Saskatchewan",
8       "uom": "Metric_Canada"
9     }
10  ]
11 }
```

REST client interface showing a POST request to `https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/Preferences`. The request body is a JSON object:

```
1 {
2   "email": "sangeetha.puthiyaveetil@halliburton.com",
3   "originatingIp": "10.0.1.20",
4   "application": "ETP"
5 }
6
```

The response is a 200 OK status with a response time of 40 ms and a body size of 822 B. The response body is a JSON object:

```
1 {
2   "preferences": [
3     {
4       "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
5       "decimalPlaces": 1,
6       "depthPrecision": 4,
7       "timeZone": "(GMT-06:00) Saskatchewan",
8       "uom": "Metric_Canada"
9     },
10    {
11      "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
12      "decimalPlaces": 2,
13      "depthPrecision": 5,
14      "timeZone": "(GMT-06:00) Saskatchewan",
15      "uom": "Metric_Canada"
16    }
17  ]
18 }
```

The screenshot shows a REST client interface with a POST request to `https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/Preferences`. The request body is a JSON object with `email` and `originatingIp` fields. The response is a 200 OK status with a JSON body containing a `preferences` array of two objects, each with `wellID`, `decimalPlaces`, `depthPrecision`, `timeZone`, and `uom` fields.

```
1 {
2   "email" : "sangeetha.puthiyaveetil@halliburton.com",
3   "originatingIp" : "10.0.1.20"
4 }
```

```
1 {
2   "preferences": [
3     {
4       "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
5       "decimalPlaces": 1,
6       "depthPrecision": 4,
7       "timeZone": "(GMT-06:00) Saskatchewan",
8       "uom": "Metric_Canada"
9     },
10    {
11      "wellID": "0066ca40-f5b4-45f7-826b-62994d2e868e",
12      "decimalPlaces": 1,
13      "depthPrecision": 4,
14      "timeZone": "(GMT-06:00) Saskatchewan",
15      "uom": "Metric_Canada"
16    },
17  ]
18 }
```

(Input will change based on request)

Body: {

```
"email" : "*****",
"originatingIp" : "10.0.1.20",
"wellID" : "001f32e8-6659-4a79-b2d9-0da9b30756ba",
"application" : "ETP"
}
```


SaveWellPreference

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/SaveWellPreference>

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/SaveWellPreference>
- Body (JSON):**

```
1 {
2   "email": "vijith.nalukandathil@halliburton.com",
3   "application": "SOAP",
4   "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
5   "decimalPlaces": 1,
6   "depthPrecision": 4,
7   "timeZone": "(GMT-06:00) Saskatchewan",
8   "region": "NORTH",
9   "uom": "Metric_Canada"
10 }
```
- Status:** 200 OK
- Response Body:**

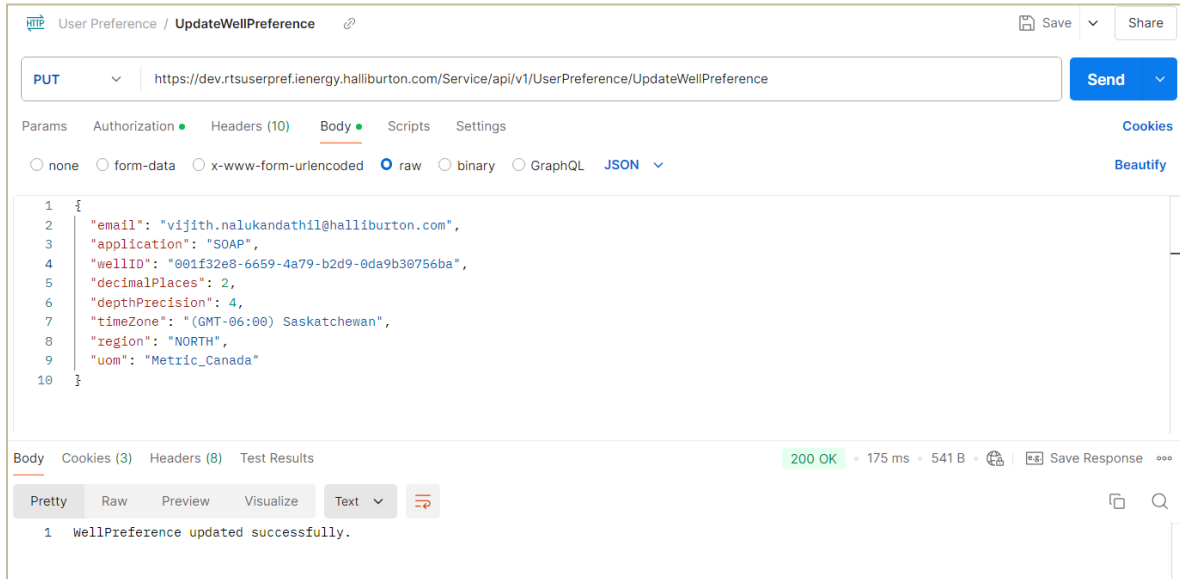
```
1 WellPreference saved successfully.
```

```
Body: {
  "email": "*****",
  "application": "SOAP",
  "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
  "decimalPlaces": 1,
  "depthPrecision": 4,
  "timeZone": "(GMT-06:00) Saskatchewan",
  "region": "NORTH",
  "uom": "Metric_Canada"
}
```

UpdateWellPreference

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UpdateWellPreference>



```
Body: {
  "email": "*****",
  "application": "SOAP",
  "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba",
  "decimalPlaces": 2,
  "depthPrecision": 4,
  "timeZone": "(GMT-06:00) Saskatchewan",
  "region": "NORTH",
  "uom": "Metric_Canada"
}
```

Delete Well Preference

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/DeleteWellPreference>

The screenshot shows a REST client interface with the following details:

- Method:** DELETE
- URL:** <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/DeleteWellPreference>
- Body (JSON):**

```
1 {
2   "email": "vijith.nalukandathil@halliburton.com",
3   "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba"
4 }
```
- Response:** 200 OK, 41 ms, 541 B. The response body is:

```
1 WellPreference deleted successfully.
```

```
Body: {
  "email": "*****"
  "wellID": "001f32e8-6659-4a79-b2d9-0da9b30756ba"
}
```

Custom unit profile info

Link:
<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/customunitprofileinfo/Metric>

User Preference / GetCustomUnitProfileInfo

GET

https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/customunitprofileinfo/Metric

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies (3)

Headers (8)

Test Results

200 OK

48 ms

41.91 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
5  {
6    "defaultUnits": {
7      "longUnit": "cubic feet",
8      "shortUnit": "ft3"
9    },
10   "unitType": "Abrasive Volume"
11 },
12 {
13   "defaultUnits": {
14     "longUnit": "lbs / ft2 abs",
15     "shortUnit": "psfa"
16   },
17   "unitType": "Abs atmos press"
18 }
19 }
```

Based on the units result will change ("Imperial",
"Metric",
"WITSML English or Imperial",
"WITSML Metric",
)

UpdateCustomUomSettings

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UpdateCustomUomSettings>

User Preference / UpdateCustomUomSettings

PUT <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UpdateCustomUomSettings> Send

Params Authorization Headers (10) Body Scripts Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "guId": "bd5495da-8295-4968-a878-b47f9a5164a3",
3   "customUoMName": "saimperila",
4   "uomProfile": "Imperial",
5   "unitTypes": [
6     {
7       "defaultUnits": {
8         "longUnit": "sacks",
9         "shortUnit": "sk"
10      },
11     "unitType": "Abrasive Volume"
12   ]
13 }
```

Body Cookies (3) Headers (8) Test Results 200 OK • 269 ms • 539 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "result": true,
3   "error": null
4 }
```

```
Body: {
  "guId": "bd5495da-8295-4968-a878-b47f9a5164a3",
  "customUoMName": "saimperila",
  "uomProfile": "Imperial",
  "unitTypes": [
    {
      "defaultUnits": {
        "longUnit": "sacks",
        "shortUnit": "sk"
      },
      "unitType": "Abrasive Volume"
    }
  ]
}
```

CustomUomSettings

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/CustomUomSettings?Guid=bd5495da-8295-4968-a878-b47f9a5164a3>

User Preference / DeleteCustomUomSettings

DELETE <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/CustomUomSettings?Guid=bd5495da-8295-4968-a878-b47f9a5164a3> Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Query Params

☒	Key	Value	Description	Bulk Edit
☒	Guid	bd5495da-8295-4968-a878-b47f9a5164a3		
	Key	Value	Description	

Body Cookies (3) Headers (8) Test Results 200 OK • 162 ms • 539 B Save Response

Pretty Raw Preview Visualize JSON

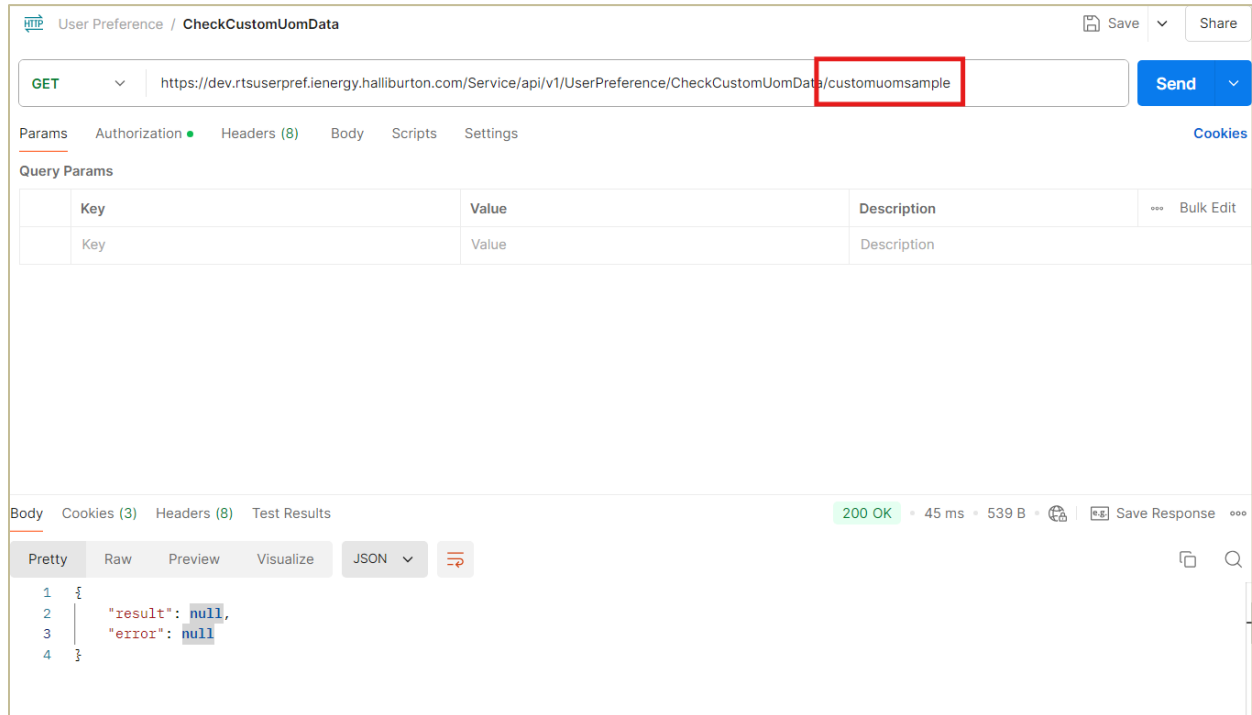
```
1 {
2   "result": true,
3   "error": null
4 }
```

Query param - Guid:bd5495da-8295-4968-a878-b47f9a5164a3

CustomUomSettings(Exists checking)

Link:

<https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/CheckCustomUomData/customuomsample>



The screenshot shows a REST client interface with the following details:

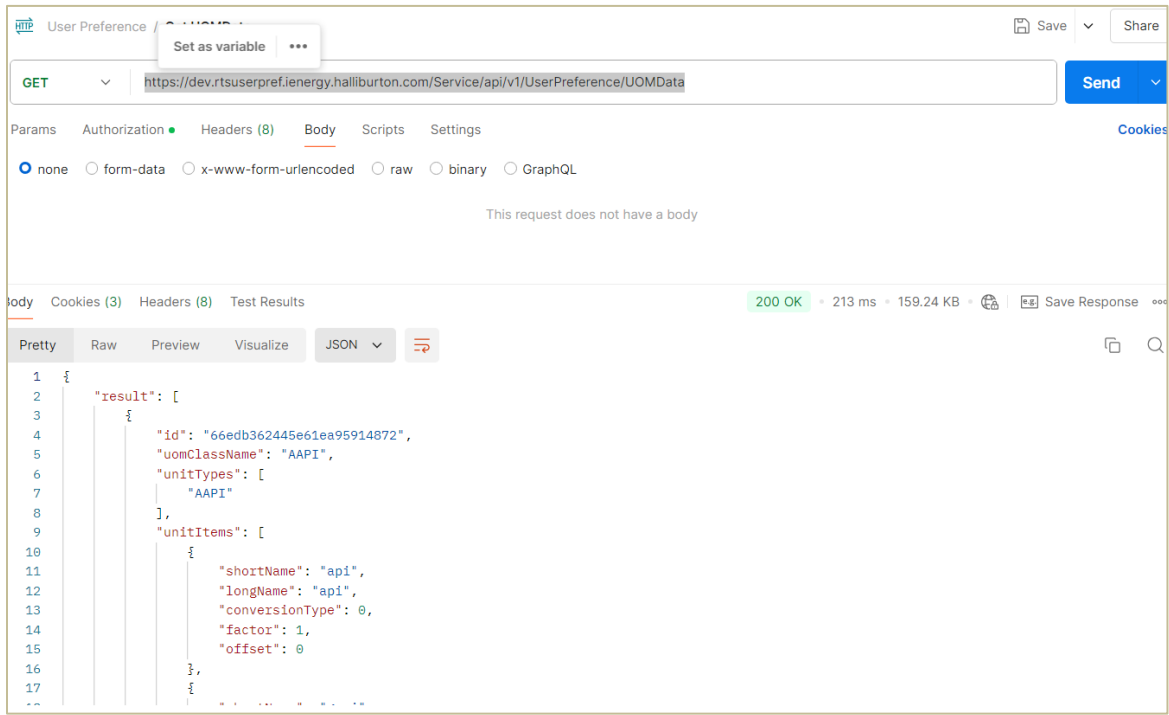
- Method:** GET
- URL:** <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/CheckCustomUomData/customuomsample>
- Response Status:** 200 OK
- Response Time:** 45 ms
- Response Size:** 539 B
- Response Body (JSON):**

```
{
  "result": null,
  "error": null
}
```

Based on the custom name result will be *true/false/null*

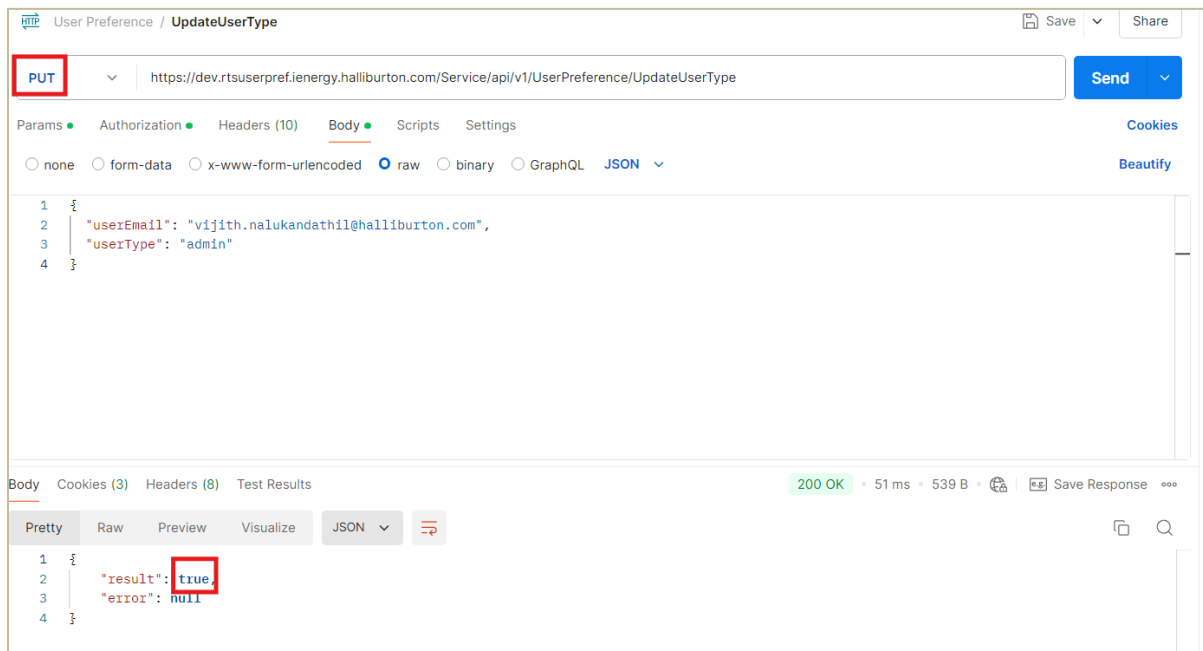
GetUOMData

Link: <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UOMData>



UpdateUserType

Link: <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/UpdateUserType>




```
Body: {  
  "userEmail": "*****",  
  "userType": "admin"  
}
```

GetAllUserList

Link: <https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetAllUserList>

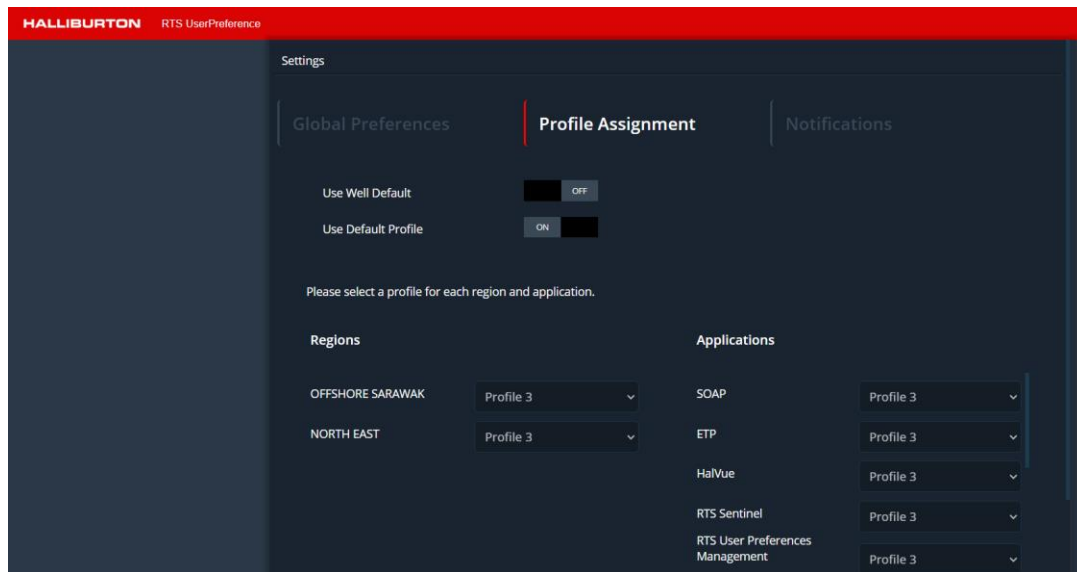
The screenshot displays a REST client interface for the endpoint `https://dev.rtsuserpref.ienergy.halliburton.com/Service/api/v1/UserPreference/GetAllUserList`. The request is a GET method with no body. The response is a 200 OK status with a response time of 120 ms and a body size of 880 B. The response body is shown in JSON format, containing a list of users.

```
{  
  "result": [  
    {  
      "userEmail": "sangeetha.puthiyaveetil@halliburton.com",  
      "userType": "user"  
    },  
    {  
      "userEmail": "vibin.vijayakumar@halliburton.com",  
      "userType": "user"  
    },  
    {  
      "userEmail": "manilal.mohanan@halliburton.com",  
      "userType": "user"  
    },  
    {  
      "userEmail": "vijith.nalukandathil@halliburton.com",  
      "userType": "admin"  
    },  
    {  
      "userEmail": "dinesh.kumar2@halliburton.com",  
      "userType": "user"  
    }  
  ]  
}
```

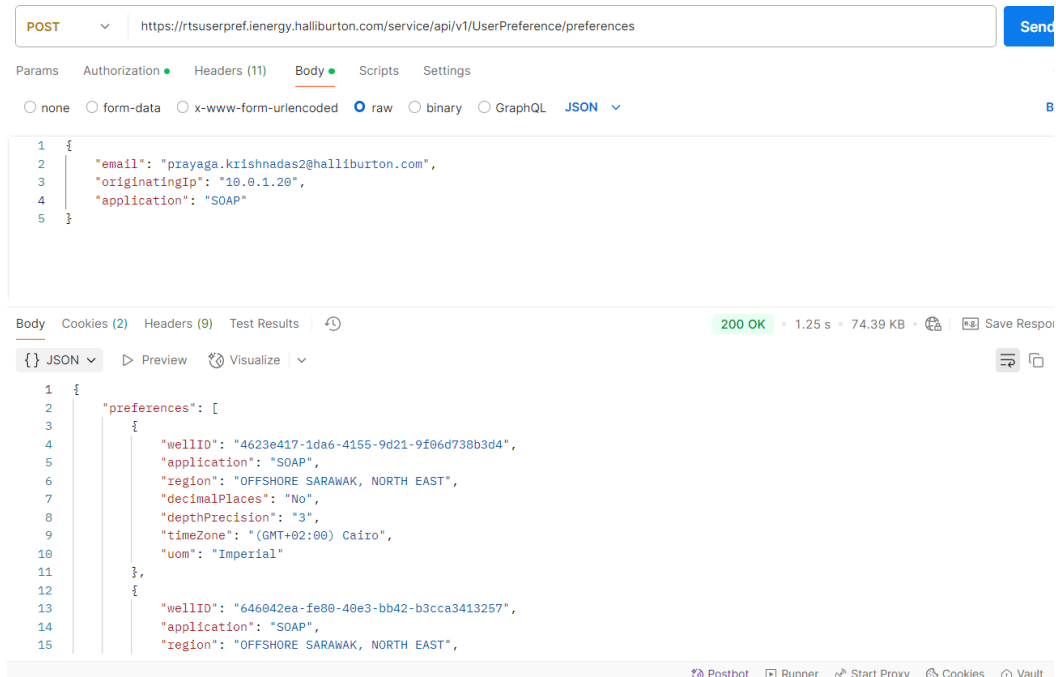
API INTEGRATION USER PREFERENCES

Scenario 1: Choosing Profile – set default Profile.

In profile assignment - We set the profile for SOAP - E.g Profile 3 set as default means all the profile 3 values should be appear in the API response.



In Preference API - we set the application name - SOAP.



Conclusion: What we set in the Profile3 - all values will be appear in the response.

Scenario 2: Choosing Well default.

In profile assignment - We set the profile for SOAP – Well default

HALLIBURTON RTS UserPreference

Use Well Default ☒ ON

Use Default Profile ☐ OFF

Please select a profile for each region and application.

Regions	Applications
OFFSHORE SARAWAK	SOAP
	ETP
	HalVue
	RTS Sentinel
	RTS User Preferences Management
	RTS User Preferences Management

Cancel Save

In Preference API - we set the application name - SOAP.

POST <https://rtsuserpref.ienergy.halliburton.com/service/api/v1/UserPreference/preferences> Send

Params Authorization Headers (11) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "email": "prayaga.krishnadas2@halliburton.com",
3   "originatingIp": "10.0.1.20",
4   "application": "SOAP"
5 }
```

Body Cookies (2) Headers (9) Test Results 200 OK • 1.15 s • 71.5 KB Save Response

{ } JSON Preview Visualize

```
1 {
2   "preferences": [
3     {
4       "wellID": "4623e417-1da6-4155-9d21-9f06d738b3d4",
5       "application": "SOAP",
6       "region": null,
7       "decimalPlaces": 1,
8       "depthPrecision": 4,
9       "timeZone": "(GMT-05:00) Eastern Time (US & Canada)",
10      "uom": "English"
11    },
12    {
13      "wellID": "646042ea-fe00-40e3-bb42-b3cca3413257",
14      "application": "SOAP",
15      "region": null,
```

Conclusion: What we set in the Well default - all values will be appear in the response.

Scenario 3: If both of us well default and use default profile - OFF – We can be able to choose some profile and choose Profile 1.

The screenshot shows the 'Global Preferences' tab of the 'RTS UserPreference' application. The interface has a dark theme with a red header bar. The 'Global Preferences' tab is active, showing settings for 'User Profile', 'Date and Time Settings', 'Units of Measure', and 'Decimal Precision'. The 'User Profile' section shows 'Profile 1' selected in a dropdown menu, with a 'Set as Default' button. The 'Date and Time Settings' section includes a checkbox for 'UTC Time' (unchecked), a 'Local Time Zone' dropdown set to '(GMT+02:00) Harare, ...', and a 'UoM Selection' dropdown set to 'WITSML Metric'. The 'Decimal Precision' section includes a 'Depth Index Precision' dropdown set to '4' and a 'Decimal Places' dropdown set to 'Yes'.

Section	Setting	Value
User Profile	User Profile	Profile 1
Date and Time Settings	UTC Time	☐
Date and Time Settings	Local Time Zone	(GMT+02:00) Harare, ...
Units of Measure	UoM Selection	WITSML Metric
Decimal Precision	Depth Index Precision	4
Decimal Precision	Decimal Places	Yes

The screenshot shows the 'Profile Assignment' tab of the 'RTS UserPreference' application. The interface has a dark theme with a red header bar. The 'Profile Assignment' tab is active, showing settings for 'Use Well Default' and 'Use Default Profile', both set to 'OFF'. Below these settings, there is a prompt: 'Please select a profile for each region and application.' The 'Regions' section lists 'OFFSHORE SARAWAK' and 'NORTH EAST', both with 'Use Well Default' selected in a dropdown menu. The 'Applications' section lists 'SOAP', 'ETP', 'HalVue', 'RTS Sentinel', 'RTS User Preferences Management', and 'RTS User Preferences Management', all with 'Use Well Default' selected in a dropdown menu. At the bottom right, there are 'Cancel' and 'Save' buttons.

Section	Setting	Value
Use Well Default	Use Well Default	OFF
Use Default Profile	Use Default Profile	OFF
Regions	OFFSHORE SARAWAK	Use Well Default
Regions	NORTH EAST	Use Well Default
Applications	SOAP	Profile 1
Applications	ETP	Use Well Default
Applications	HalVue	Use Well Default
Applications	RTS Sentinel	Use Well Default
Applications	RTS User Preferences Management	Use Well Default
Applications	RTS User Preferences Management	Use Well Default

API Response:

The screenshot displays a REST client interface. At the top, a POST request is configured to the URL `https://rtsuserpref.ionergy.halliburton.com/service/api/v1/UserPreference/preferences`. The 'Body' tab is selected, showing a raw JSON payload:

```
1 {
2   "email": "prayaga.krishnadas2@halliburton.com",
3   "originatingIp": "10.0.1.20",
4   "application": "SOAP"
5 }
```

Below the request, the response is shown with a status of **200 OK**, a response time of 875 ms, and a size of 70.35 KB. The response body is a JSON object:

```
1 {
2   "preferences": [
3     {
4       "wellID": "4623e417-1da6-4155-9d21-9f06d738b3d4",
5       "application": "SOAP",
6       "region": "",
7       "decimalPlaces": "Yes",
8       "depthPrecision": "4",
9       "timeZone": "(GMT+02:00) Harare, Pretoria",
10      "uom": "WITSML Metric"
11    },
12    {
13      "wellID": "646042ea-fe80-40e3-bb42-b3cca3413257",
14      "application": "SOAP",
15      "region": ""
16    }
17  ]
18 }
```

At the bottom of the interface, there are links for Postbot, Runner, Start Proxy, Cookies, and View Source.

Conclusion: What we set in the Profile1 - all values will be appear in the response.