



concierge

Concierge RDM API Reference Guide

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Revision History

Date	Rev	Changes	By
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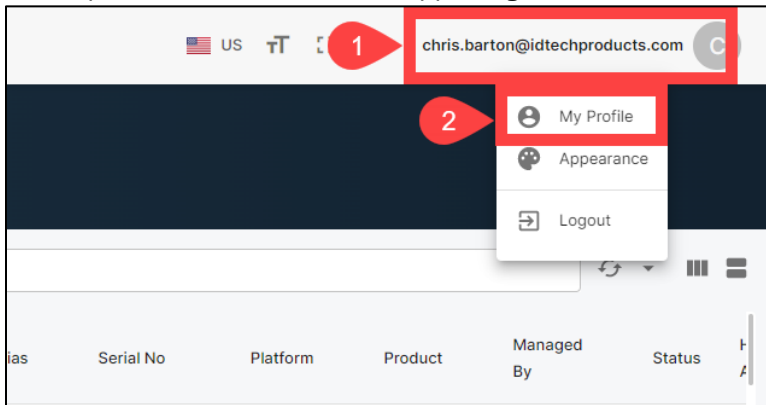
1. Overview

Welcome to Concierge, ID TECH's cloud-based device management system. With Concierge, you can manage your Android- and Windows-based ID TECH credit card readers and peripherals from anywhere on the internet. Enjoy real-time statistics and updates from your devices on the Concierge dashboard. Schedule firmware and application updates and perform key injection with the press of a button. Control detailed user privileges and security from a central page. Manage an entire Estate and all the devices within it from a single location thanks to the powerful connectivity Concierge harnesses.

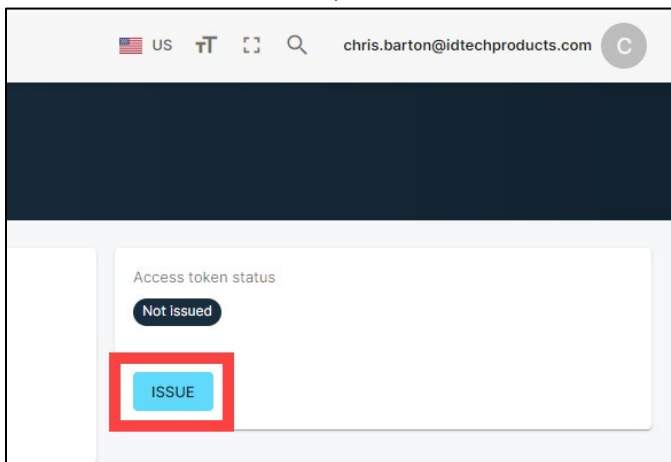
2. RDM API Quickstart

The following section provides a quickstart guide for the Concierge RDM web app.

1. Go to the **My Profile** page and issue an access token:
2. Select your **email address** in the upper-right corner.



3. Select **My Profile**.
4. Under **Access token status**, select **Issue**.



5. Copy your access token.

Note: Be sure to copy and save the access token; you will not be able to view the token again.

6. Send an HTTP request with the token:

```
curl --location --request GET
'https://api.rdm.idtechproducts.com/rdm/v1/devices' \
--header 'RDM-ACCESS-TOKEN: ...your access token'
```

3. API Reference

The following section provides details for Concierge RDM API methods.

3.1. Account Methods

The section below describes methods for the Account endpoint.

3.1.1. **POST** /rdm/v1/vendors

Create an account.

Request Body:

Field	Type	Description
vendor	String	Account identifier.
status	String	Account status.
parent	String	Parent account identifier.
name	String	Account display name.
description <i>(optional)</i>	String	Account description.
path <i>(optional)</i>	String	Account layer path.
email <i>(optional)</i>	String	Account email address.
contact <i>(optional)</i>	String	Account contact.
phoneCountry <i>(optional)</i>	String	Phone number country code.
phone <i>(optional)</i>	String	Phone number.
country <i>(optional)</i>	String	Account country code.
address <i>(optional)</i>	String	Account address.
city <i>(optional)</i>	String	Account city.
region <i>(optional)</i>	String	Account region.
zipcode <i>(optional)</i>	String	Address ZIP code.
website <i>(optional)</i>	String	Account website URL.
reseller <i>(optional)</i>	String	Reseller.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
data	Object[]	An array of accounts.
children	Object[]	An array of subaccounts.
vendor	String	Account identifier.
name	String	Account name.
description	String	Account description.
status	String	Account status. <i>Allowed values: active, inactive</i>
parent	String	Parent account identifier.

Field	Type	Description
path	String	Full account relations path; account identifiers concatenated with periods.
email	String	Account email.
contact	String	Account contact.
phoneCountry	String	Account's phone number country code (e.g., us, tw, etc.).
phone	String	Account phone number.
country	String	Account country.
address	String	Account street address.
city	String	Account address city.
region	String	Account address region.
zipcode	String	Account address ZIP code.
website	String	Account website.
reseller	String	Reseller.
createdAt	String	Date and time account was created.
updatedAt	String	Date and time account was last updated.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "data": [
      {
        "children": [],
        "vendor": "IDTECH",
        "name": "IDTECH",
        "description": "Create By uafh84h+@idtechprodcuts.com1",
        "status": "active",
        "parent": "ROOT",
        "path": "ROOT.IDTECH",
        "email": "idt@iid.ddder",
        "contact": "test",
        "phoneCountry": "us",
        "phone": "11231321231",
        "country": "United States",
        "address": "",
        "city": "",
        "region": "",
        "zipcode": "0",
        "website": "",
        "reseller": "",
        "createdAt": "2020-10-08T05:32:53.061Z",
        "updatedAt": "2022-03-30T02:59:31.031Z"
      }
    ],
  },
  "timestamp": "2022-04-06T08:20:08.059Z"
}

```

3.1.2. GET /rdm/v1/vendors

Get a user's account list.

Query Parameters:

Field	Type	Description
all	String	List all accounts, whether active or not. <i>Default value: false</i> <i>Allowed values: true, false</i>

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
data	Object[]	An array of accounts.
children	Object[]	An array of subaccounts.
vendor	String	Account identifier.
name	String	Account name.
description	String	Account description.
status	String	Account status. <i>Allowed values: active, inactive</i>
parent	String	Parent account identifier.
path	String	Full account relations path; account identifiers concatenated with periods.
email	String	Account email.
contact	String	Account contact.
phoneCountry	String	account's phone number country code (e.g., us, tw, etc.).
phone	String	Account phone number.
country	String	Account country.
address	String	Account street address.
city	String	Account address city.
region	String	Account address region.
zipcode	String	Account address ZIP code.
website	String	Account website.
reseller	String	Reseller.
createdAt	String	Date and time account was created.
updatedAt	String	Date and time account was last updated.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "data": [
      {
        "children": [],
        "vendor": "IDTECH",
        "name": "IDTECH",
        "description": "Create By uafh84h+@idtechprodcuts.com1",
        "status": "active",
        "parent": "ROOT",
        "path": "ROOT.IDTECH",
        "email": "idt@iid.ddder",
        "contact": "test",
        "phoneCountry": "us",
        "phone": "11231321231",
        "country": "United States",
        "address": "",
        "city": "",
        "region": "",
        "zipcode": "0",
        "website": "",
        "reseller": "",
        "createdAt": "2020-10-08T05:32:53.061Z",
        "updatedAt": "2022-03-30T02:59:31.031Z"
      }
    ],
    "timestamp": "2022-04-06T08:20:08.059Z"
  }
}
```

3.1.3. GET /rdm/v1/vendors/:vendor/users

Get an account's users.

Parameters:

Field	Type	Description
vendor	String	Account identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
data	Object	A list of accounts.
vendorKey	Object[]	An array of accounts.
vendor	String	User account identifier.

Field	Type	Description
status	String	User account status. <i>Allowed values: active, inactive</i>
account	String	User account name.
privilegeGroups	String[]	An array of user privilege group identifiers.
privilegeGroupsName	String[]	An array of user privilege group names.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "data": {
      "swdev": [
        {
          "account": "joshua.sun@idtechproducts.com",
          "vendor": "swdev",
          "privilegeGroups": [
            "idtech",
            "restricted"
          ],
          "status": "active",
          "createdAt": "2020-11-24T09:24:43.703Z",
          "updatedAt": "2021-12-29T05:38:49.631Z",
          "privilegeGroupsName": [
            "idtech",
            "Restricted"
          ]
        },
        {
          "account": "a760109@gmail.com",
          "vendor": "swdev",
          "privilegeGroups": [
            "readonly",
            "test",
            "admin",
            "restricted",
            "kent-7mgk44a",
            "tms_review"
          ],
          "status": "active",
          "createdAt": "2021-08-19T03:34:26.791Z",
          "updatedAt": "2022-05-18T08:38:15.160Z",
          "privilegeGroupsName": [
            "ReadOnly",
            "test",
            "Admin",
            "Restricted",
            "Kent",
            "TMS_Review"
          ]
        }
      ]
    }
  }
}

```

```

    }
  ]
}
},
"timestamp": "2022-07-08T00:35:56.611Z"
}

```

3.1.4. PATCH /rdm/v1/vendors

Update account data.

Request Body:

Field	Type	Description
vendor	String	Account identifier.
description <i>(optional)</i>	String	Account description.
status	String	Account status. <i>Default value: active,locked</i>
path <i>(optional)</i>	String	Account layer path.
email <i>(optional)</i>	String	Account email address.
contact <i>(optional)</i>	String	Account contact.
phoneCountry <i>(optional)</i>	String	Account phone number country code.
phone <i>(optional)</i>	String	Account phone number.
country <i>(optional)</i>	String	Account country code.
address <i>(optional)</i>	String	Account address.
city <i>(optional)</i>	String	Account city.
region <i>(optional)</i>	String	Account region.
zipcode <i>(optional)</i>	String	Account ZIP code.
website <i>(optional)</i>	String	Account website URL.
reseller <i>(optional)</i>	String	Reseller.
name <i>(optional)</i>	String	Account display name.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
data	Object[]	An array of accounts.
children	Object[]	An array of subaccounts.
vendor	String	Account identifier.
name	String	Account name.
description	String	Account description.
status	String	Account status. <i>Allowed values: active, inactive</i>
parent	String	Parent account identifier.

path	String	Full account relations path; account identifiers concatenated with periods.
email	String	Account email.
contact	String	Account contact.
phoneCountry	String	account's phone number country code (e.g., us, tw, etc.).
phone	String	Account phone number.
country	String	Account country.
address	String	Account street address.
city	String	Account address city.
region	String	Account address region.
zipcode	String	Account address ZIP code.
website	String	Account website.
reseller	String	Reseller.
createdAt	String	Date and time account was created.
updatedAt	String	Date and time account was last updated.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "data": [
      {
        "children": [],
        "vendor": "IDTECH",
        "name": "IDTECH",
        "description": "Create By uafh84h+@idtechprodcuts.com1",
        "status": "active",
        "parent": "ROOT",
        "path": "ROOT.IDTECH",
        "email": "idt@iid.ddder",
        "contact": "test",
        "phoneCountry": "us",
        "phone": "11231321231",
        "country": "United States",
        "address": "",
        "city": "",
        "region": "",
        "zipcode": "0",
        "website": "",
        "reseller": "",
        "createdAt": "2020-10-08T05:32:53.061Z",
        "updatedAt": "2022-03-30T02:59:31.031Z"
      }
    ],
  },
  "timestamp": "2022-04-06T08:20:08.059Z"
}

```

3.2. Alert Methods

The section below describes methods for the Alert endpoint.

3.2.1. GET /rdm/v1/alerts/history

Get a list of alert history.

Query Parameters:

Field	Type	Description
offset <i>(optional)</i>	Number	Offset for the query. <i>Default value: 0</i>
limit <i>(optional)</i>	Number	Maximum number of results to return. <i>Default value: 20</i>
orderBy <i>(optional)</i>	String	Field name for sorting. <i>Default value: createdAt</i>
orderType <i>(optional)</i>	String	Sort direction. <i>Default value: DESC</i> <i>Allowed values: DESC, ASC</i>
start <i>(optional)</i>	String	Start time for the History updatedAt field; must be greater than the updatedAt time.
end <i>(optional)</i>	String	End time for the History updatedAt field; must be less than the updatedAt time.
filter <i>(optional)</i>	String	JSON string for the filter object.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
result	Object	Response data.
count	Number	Total number of rows in the response.
timestamp	String	API response time.
rows	Object[]	An array of alert rules.
id	Number	Alert rule identifier.
vendor	String	Account name.
ruleId	String	Rule ID.
name	String	Rule name.
source	String	Rule source.
hostSerialNo	String	Host device serial number.
alias	String	The device alias.
group	String	The device group.
notifiedAt	String	Time the alert sent the notification.
level	String	Alert urgency level (e.g., "critical").
field	String	Device field information.
numberValue	Number	Alert number information.
stringValue	String	Alert string information.

createdAt	String	Time alert was created.
updatedAt	String	Time alert was last updated.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 1,
    "rows": [
      {
        "id": 343321,
        "vendor": "swdev",
        "ruleId": "363e4f45-4126-4f05-b2e2-3a356b8ee1b7",
        "name": "AMS-1617",
        "source": "influxdb",
        "hostSerialNo": "d984d36f-a54d-4dae-8b96-6e1527596e60",
        "alias": "artems_machine",
        "group": "win_standalone2",
        "notifiedAt": null,
        "level": "crit",
        "field": "IsOnline",
        "numberValue": 0,
        "stringValue": "false",
        "createdAt": "2022-03-14T08:29:21.265Z",
        "updatedAt": "2022-03-14T08:29:21.265Z"
      }
    ],
    "timestamp": "2022-03-28T06:37:14.705Z"
  }
}
```

3.2.2. GET /rdm/v1/alerts/rules

Get a list of alert rules.

Query Parameters:

Field	Type	Description
search (optional)	String	Keyword for search rules.
orderBy (optional)	String	Field name for sorting. <i>Default value: name</i>
orderType (optional)	String	Sort direction. <i>Default value: ASC</i>

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
result	Object	Response data.
count	Number	Total number of rows in the response.

timestamp	String	API response time.
rows	Object[]	An array of alert rules.
id	String	Alert rule identifier.
vendor	String	Account identifier.
updatedBy	String	Account that made the most recent update.
modifiedAt	String	Date and time for the most recent modification.
source	String	Data source.
name	String	Alert rule name.
status	String	Alert rule status.
statusMessageTemplate	String	Message template string for alerts.
queryText	String	Search keyword.
measurement	String	Monitored measurement. <i>Allowed values: CPU, DevicesTotal, HostStatus, Memory, Networking, PeripheralStatus, Power, SystemStorage</i>
field	String	Monitored rule field. <i>Allowed values: Free, FreePercent, FreeSpace, IsOnline, LoadAVG, Offline, OfflinePercentage, Online, OnlinePercentage, PeripheralsOnline, PeripheralsTotal, PowerLevel, Rx, Temp, Total, Tx</i>
interval	String	Monitor interval.
func	String	Function for monitor.
type	String	Monitor type.
thresholds	Object[]	Monitored thresholds.
level	String	Threshold level.
type	String	Threshold type.
value	Number	Threshold value.
lastRunStatus	String	Rule last run status.
lastRunTime	String	Rule last run time.
latestCompleted	String	Latest complete time.
runBy	String	User who ran the rule.
lastRunError	String	Error for last run.
createdAt	String	Rule created time.
updatedAt	String	Rule updated time.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 1,
    "rows": [
      {
        "id": "363e4f45-4126-4f05-b2e2-3a356b8ee1b7",
        "vendor": "swdev",
        "updatedBy": "shine.chen@idtechproducts.com",
        "modifiedAt": "2022-02-18T07:13:43.286Z",
```

```
"source": "influxdb",
"name": "AMS-1617",
"status": "active",
"statusMessageTemplate": "",
"queryText": "asdals",
"measurement": "HostStatus",
"field": "IsOnline",
"interval": 30,
"func": "last",
"thresholds": [
  {
    "level": "crit",
    "type": "equal",
    "value": 0
  }
],
"type": "threshold",
"lastRunStatus": "success",
"lastRunTime": "2022-03-17T07:13:22.933Z",
"latestCompleted": "2022-03-17T07:13:26.044Z",
"runBy": null,
"lastRunError": null,
"createdAt": "2022-02-17T03:56:47.833Z",
"updatedAt": "2022-03-17T07:13:26.043Z"
}
],
"timestamp": "2022-03-28T06:37:14.705Z"
}
```

3.3. Calendar Methods

The section below describes methods for the Calendar endpoint.

3.3.1. **POST** /rdm/v2/calendar

Create a new calendar event.

Request Body:

Field	Type	Description
uuid (<i>optional</i>)	String	Event identifier; empty value when creating a new event.
vendor	String	Account owner creating the new event.
scheduleAt	String	Scheduled time for the new event.
vendor	String	Account owner for the scheduled event.
title	String	Title for the scheduled event.
groups	String[]	An array of groups to which to apply this event.
actionName	String	Application the event triggers.
repeatType	String	Type of repetition for the event.
repeatPatternMonthly	String	Monthly repeat pattern for events.
repeatPatternWeekly	String	Weekly repeat pattern for events.
time	String	Time to trigger the event.
start	String	Start time for the event.
end	String	End time for the event.
description	String	Event description.
payload	Object	Event action settings payload.
timezone	String	Event timezone.
color	String	Color to display for the event on the calendar.
platform	String	Platform to which the event applies.
serialnos	String[]	An array of serial numbers for devices to which the event applies.
createdBy	String	Account that created this event.
maxRetries	String	Maximum number of times to retry the event action.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
scheduleAt	String	Scheduled event time.
uuid	String	Unique identifier for the event.
vendor	String	Account owner for the scheduled event.
title	String	Event title.
groups	String[]	Groups to with the event applies.
actionName	String	Application the event triggers.

startByoptional	String	If value is now, the event is triggered when created. <i>Allowed values: now</i>
repeatType	String	Type of repetition for the event.
repeatPatternMonthly	String	Monthly repetition for the event.
repeatPatternWeekly	String	Weekly repetition for the event.
time	String	Time to trigger the event.
start	String	Start time for the event.
end	String	End time for the event.
description	String	Event description.
payload	Object	Event action payload.
timezone	String	Event timezone.
color	String	Color to display for the event on the calendar.
platform	String	Platform to which the event applies.
serialnos	String[]	An array of serial numbers for devices to which the event applies.
createdBy	String	Account that created the event.
maxRetries	String	Maximum number of times to retry the event action.
updatedAt	String	Date and time the event was most recently updated.
createdAt	String	Date and time the event was created.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "scheduleAt": "2022-07-26T02:29:39.541Z",
    "uuid": "873de524-0e1d-4e50-99c0-827a7a2f8293",
    "vendor": "IDTECH",
    "title": "New Event",
    "groups": [
      "Jacky-redwood"
    ],
    "actionName": "com.idtech.diagnosis",
    "repeatType": "never",
    "repeatPatternMonthly": "",
    "repeatPatternWeekly": "",
    "time": "10:29",
    "start": "2022-07-25T16:00:00.000Z",
    "end": "2022-07-26T16:00:00.000Z",
    "description": "",
    "payload": {
      "collect_log_list_key": "1",
      "collect_log_list_key__display_name": "yes"
    },
    "createdAt": "2022-07-26T02:29:39.531Z",
    "updatedAt": "2022-07-26T02:29:39.531Z",
    "timezone": "Asia/Taipei",
    "color": "darkgray",
    "platform": "ANDROID",
    "serialnos": [

```

```

    "150K100046"
  ],
  "createdBy": "uafh84h+@idtechprodcuts.com",
  "maxRetries": 0
}
}

```

3.3.2. **DELETE** /rdm/v2/calendar/:uuid

Delete an event.

Parameters:

Field	Type	Description
uuid	String	Unique identifier for the event to delete.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
result	Object	Response data.
timestamp	String	API response timestamp.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "timestamp": "2022-04-06T08:20:08.059Z",
  "result": {}
}

```

3.3.3. **GET** /rdm/v2/calendar

Get a list of calendar events.

Query Parameters:

Field	Type	Description
start (optional)	String	Query range start time.
end (optional)	String	Query range end time.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of events.

scheduleAt	String	Event scheduled time.
uuid	String	Event unique identifier.
vendor	String	Account identifier.
title	String	Event title.
groups	String[]	An array of groups to which the event applies.
actionName	String	Application the event triggers.
startByoptional	String	If value is now, the event is triggered when created. <i>Allowed values: now</i>
repeatType	String	Type of repetition for the event.
repeatPatternMonthly	String	Monthly repetition for the event.
repeatPatternWeekly	String	Weekly repetition for the event.
time	String	Time to trigger the event.
start	String	Start time for the event.
end	String	End time for the event.
description	String	Event description.
payload	Object	Event action payload.
timezone	String	Event timezone.
color	String	Color to display for the event on the calendar.
platform	String	Platform to which the event applies.
serialnos	String[]	An array of serial numbers for devices to which the event applies.
createdBy	String	Account that created this event.
maxRetries	String	Maximum number of times to retry the event action.
updatedAt	String	Last updated time for the event.
createdAt	String	Creation time for the event.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "rows": [
      {
        "scheduleAt": "2022-07-26T02:29:39.541Z",
        "uuid": "873de524-0e1d-4e50-99c0-827a7a2f8293",
        "vendor": "IDTECH",
        "title": "New Event",
        "groups": [
          "Jacky-redwood"
        ],
        "actionName": "com.idtech.diagnosis",
        "repeatType": "never",
        "repeatPatternMonthly": "",
        "repeatPatternWeekly": "",
        "time": "10:29",
        "start": "2022-07-25T16:00:00.000Z",
        "end": "2022-07-26T16:00:00.000Z",
        "description": ""
      }
    ]
  }
}
```

```

    "payload": {
      "collect_log_list_key": "1",
      "collect_log_list_key__display_name": "yes"
    },
    "createdAt": "2022-07-26T02:29:39.531Z",
    "updatedAt": "2022-07-26T02:29:39.531Z",
    "timezone": "Asia/Taipei",
    "color": "darkgray",
    "platform": "ANDROID",
    "serialnos": [
      "150K100046"
    ],
    "createdBy": "uafh84h+@idtechprodcuts.com",
    "maxRetries": 0
  },
  {
    "scheduleAt": "2022-07-26T02:47:56.168Z",
    "uuid": "1a46f5bf-d006-410b-892d-0acc0ca5631c",
    "vendor": "IDTECH",
    "title": "Yuda test event",
    "groups": [
      "Yuda"
    ],
    "actionName": "com.idtech.diagnosis",
    "repeatType": "never",
    "repeatPatternMonthly": "",
    "repeatPatternWeekly": "",
    "time": "10:47",
    "start": "2022-07-25T16:00:00.000Z",
    "end": "2022-07-26T16:00:00.000Z",
    "description": "",
    "payload": {
      "apply_to_list": "Any Device",
      "apply_to_product_list": "",
      "apply_to_sn_edit": "",
      "apply_to_sn_edit_begin": "",
      "apply_to_sn_edit_end": "",
      "command_list": "Update",
      "update_firmware_switch": false,
      "update_firmware_selector": "",
      "update_vivo_switch": false,
      "update_vivo_selector": "",
      "disable_check_vivo_hash_switch": false,
      "update_rki_switch": false,
      "update_rki_release_switch": false,
      "firmware_action_key": "0",
      "collect_log_list_key": "1",
      "collect_log_list_key__display_name": "yes"
    },
    "createdAt": "2022-07-26T02:47:56.159Z",
    "updatedAt": "2022-07-26T02:47:56.159Z",
    "timezone": "Asia/Taipei",
    "color": "darkgray",
    "platform": "ANDROID",
    "serialnos": [
      "150K100042"
    ],
  },

```

```

        "createdBy": "uafh84h+@idtechprodcuts.com",
        "maxRetries": 0
    },
    "count": 2
}

```

3.3.4. GET /rdm/v2/calendar/list-scheduled-jobs

Get a lists of upcoming event jobs.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of events.
id	String	Job identifier for the event.
name	String	Event name.
data	Object	Event data.
scheduleAt	String	Event time.
uuid	String	Event unique identifier.
vendor	String	Account owner for the event.
title	String	Event title.
groups	String[]	Groups to which the event applies.
actionName	String	Application the event triggers.
startByoptional	String	If value is now, the event is triggered when created. <i>Allowed values: now</i>
repeatType	String	Type of repetition for the event.
repeatPatternMonthly	String	Monthly repeat pattern for the event.
repeatPatternWeekly	String	Weekly repeat pattern for the event.
time	String	Time to trigger the event.
start	String	Start time for the event.
end	String	End time for the event.
description	String	Event description.
payload	Object	Event action payload.
timezone	String	Event timezone.
color	String	Color to display for the event on the calendar.
platform	String	Platform to which the event applies.
serialnos	String[]	An array of serial numbers for devices to which the event applies.
createdBy	String	Account that created the event.
maxRetries	String	Maximum number of times to retry the event action.

updatedAt	String	Last updated time for the event.
createdAt	String	Creation time for the event.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "rows": [
      {
        "id": "fd0e38ba-f6b3-417c-a0fd-20fef14d5bc5",
        "name": "calendar-event",
        "data": {
          "uuid": "fd0e38ba-f6b3-417c-a0fd-20fef14d5bc5",
          "vendor": "IDTECH",
          "title": "NickyTest",
          "groups": [
            "Nicky"
          ],
          "serialnos": [],
          "actionName": "com.idtech.otaupdater",
          "platform": "ANDROID",
          "repeatType": "weekly",
          "repeatPatternMonthly": "",
          "repeatPatternWeekly": "1,3",
          "time": "17:35",
          "timezone": "Asia/Taipei",
          "start": "2022-09-06T16:00:00.000Z",
          "end": null,
          "color": "darkgray",
          "description": "",
          "payload": {
            "collect_log_list_key": "1",
            "collect_log_list_key_display_name": "yes",
            "auto_reboot_key": true,
            "__notified_at": ""
          },
          "createdBy": "uafh84h+@idtechprodcuts.com",
          "maxRetries": 0,
          "createdAt": "2022-08-26T07:15:57.336Z",
          "updatedAt": "2022-08-26T07:15:57.336Z",
          "startBy": "schedule",
          "fireAt": "2022-09-07T09:35:00.000Z",
          "dateKey": "2022-09-07"
        }
      }
    ],
    "count": 1
  },
  "timestamp": "2022-08-26T07:23:35.387Z"
}

```

3.4. Dashboard Methods

The section below describes methods for the Dashboard endpoint.

3.4.1. GET /rdm/v1/dashboards

Get the dashboards for the current account.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.
id	String	Dashboard identifier.
vendor	String	Currently displayed account.
uid	String	Dashboard unique ID.
name	String	Dashboard name.
url	String	Dashboard URL.
slug	String	Dashboard resource identifier.
sortOrd	Number	Dashboard sort order.
locked	Number	If true, dashboard position is locked.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "timestamp": "2022-04-19T07:16:09.473Z",
  "result": {
    "count": 5,
    "rows": [
      {
        "vendor": "IDTECH",
        "uid": "default",
        "id": "1",
        "name": "Default",
        "url": "/grafana/idtech/d/default/default",
        "slug": "",
        "sortOrd": 1,
        "locked": true,
        "createdAt": "2021-01-26T04:07:19.476Z",
        "updatedAt": "2022-04-18T06:18:55.729Z"
      },
      {
        "vendor": "IDTECH",
        "uid": "hosts",
        "id": "2",
        "name": "Hosts",
```

```
"url": "/grafana/idtech/d/hosts/hosts",
"slug": "",
"sortOrd": 2,
"locked": true,
"createdAt": "2021-10-07T07:22:18.138Z",
"updatedAt": "2022-04-18T06:18:55.733Z"
},
{
  "vendor": "IDTECH",
  "uid": "peripherals",
  "id": "3",
  "name": "Peripherals",
  "url": "/grafana/idtech/d/peripherals/peripherals",
  "slug": "",
  "sortOrd": 3,
  "locked": true,
  "createdAt": "2021-10-07T07:22:18.175Z",
  "updatedAt": "2022-04-18T06:18:55.734Z"
},
{
  "vendor": "IDTECH",
  "uid": "alerts",
  "id": "4",
  "name": "Alerts",
  "url": "/grafana/idtech/d/alerts/alerts",
  "slug": "",
  "sortOrd": 4,
  "locked": true,
  "createdAt": "2021-10-07T07:22:18.040Z",
  "updatedAt": "2022-04-18T06:18:55.727Z"
},
{
  "vendor": "IDTECH",
  "uid": "events",
  "id": "5",
  "name": "Events",
  "url": "/grafana/idtech/d/events/events",
  "slug": "",
  "sortOrd": 5,
  "locked": true,
  "createdAt": "2021-10-07T07:22:18.101Z",
  "updatedAt": "2022-04-18T06:18:55.731Z"
}
]
}
```

3.4.2. GET /rdm/v2/devices/:serialno

Get device details.

Parameters:

Field	Type	Description
serialno	String	Device serial number or managed device serial number.

Success 200: (device)

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
alias	String	Device alias.
product	String	Device product type.
model	String	Device model type.
address	String	Device physical address.
latitude	Number	Device latitude.
longitude	Number	Device longitude.
updatedAt	String	Date and time the device was last updated.
createdAt	String	Date and time the device profile was created.
serialno	String	Device serial number.
device	String	Device type (e.g., "windows machine").
board	String	Device board type.
buildId	String	Device build ID.
hardware	String	Device hardware type.
version	String	Device version.
brand	String	Device brand.
type	String	Device type.
boardType	String	Device board type.
platform	String	Device platform.
connectorVersionName	String	Device firmware version.
connectorVersionCode	String	Device firmware code.
heartbeatFrom	String	Device heartbeat IP.
heartbeatAt	String	Last device heartbeat.
connectivity	String	Device connectivity level (e.g., "NORMAL").
country	String	Device location country.
stateCode	String	Device location state code.
countryCode	String	Device country code (e.g., "TW" for Taiwan).
city	String	Device location city.
vendorName	String	Device vendor name.
usage	Object	Device usage stats.
cpu	Number	Device CPU usage.
memory	Number	Device memory usage.

battery	Number	Device battery usage.
storage	Number	Device storage usage.
storageSize	Number	Device storage size.
peripherals	Object[]	An array of peripherals connected to the device.
peripheralSerialNo	String	Peripheral serial number.
product	String	Peripheral product type.
hotPluggable	Bool	If true, peripheral can be hot-plugged.
connected	Bool	If true, peripheral is connected.
interface	String	Peripheral interface type (e.g., "USB").
fwVersion	String	Peripheral firmware version.
updatedAt	String	Time and date at which peripheral was last updated.

Success 200: (managed device)

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Returned data
alias	String	Device alias.
product	String	Device product type.
model	String	Device model type.
address	String	Device physical address.
latitude	Number	Device latitude.
longitude	Number	Device longitude.
updatedAt	String	Date and time the device was last updated.
createdAt	String	Date and time the device profile was created.
peripheralSerialNo	String	Peripheral serial number.
hostSerialNo	String	Host device serial number.
sdkVersion	String	Device SDK version.
fwVersion	String	Device firmware version.
hotPluggable	Bool	If true, device can be hot-plugged.
connected	Bool	If true, device is connected.
interface	String	Device interface type (e.g., "USB").
lastOnline	String	Date and time device was last online.
extraInfo	String	Additional device information.
group	String	Device group.
productVendor	String	Device vendor.
isNewKeyAvailable	Bool	If true, a new key is available for the device.
host	Object	Device host.
alias	String	Device host alias.
product	String	Device host product type.
hostSerialNo	String	Device host serial number.
group	String	Device host group.

Success Response: (device)

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "serialno": "86ebf208-4b48-4a98-816a-f9943aa160a2",
    "alias": "mini6",
    "device": "windows machine",
    "board": null,
    "buildId": null,
    "model": null,
    "product": "WINDOWS GENERIC",
    "hardware": null,
    "brand": null,
    "version": "10.0.19044",
    "type": null,
    "boardType": null,
    "platform": "WINDOWS",
    "connectorVersionName": "0.0.11-release-2105",
    "connectorVersionCode": 1102105,
    "vendor": "test-vendor-1",
    "group": "Win-AutoTest-Default",
    "heartbeatAt": "2022-07-14T08:12:18.592Z",
    "wsHeartbeatAt": "2022-07-14T08:12:18.592Z",
    "heartbeatFrom": "220.128.240.146",
    "connectivity": "NORMAL",
    "country": "Taiwan",
    "stateCode": null,
    "countryCode": "TW",
    "city": "Taipei",
    "address": null,
    "latitude": 25.034000396728516,
    "longitude": 121.56800079345703,
    "createdAt": "2022-05-16T08:48:55.765Z",
    "updatedAt": "2022-07-14T08:12:18.586Z",
    "vendorName": "TEST-VENDOR-1",
    "details": {
      "serialno": "86ebf208-4b48-4a98-816a-f9943aa160a2",
      "storage": {
        "disks": [
          {
            "DiskID": "\\\\.\\PHYSICALDRIVE0",
            "DisplayName": "Samsung DJNB4R",
            "Size": 125065382400,
            "SN": "albebe0b",
            "Description": "Disk drive",
            "Firmware": "0.7",
            "Index": 0,
            "Interface": "SCSI",
            "Partitions": 3
          }
        ],
        "diskpartitions": [
          {
            "DiskID": 0,

```

```

        "PartitionIndex": 0,
        "Description": "GPT: System",
        "DisplayName": "Disk #0, Partition #0",
        "Size": 104857600,
        "Bootable": false
    },
    ],
    "logicaldisks": [
        {
            "DisplayName": "C:",
            "Description": "Local Fixed Disk",
            "FileSystem": "NTFS",
            "VolumeName": "windows",
            "VolumeSerialNumber": "123456D",
            "FreeSpace": 93041913856,
            "Size": 123897638912,
            "FreePercent": 75
        }
    ]
},
"network": {
    "interfaces": [
        {
            "DisplayName": "Realtek PCIe GbE Family Controller",
            "MacAddr": "",
            "Enabled": false,
            "DNSHostName": "",
            "DHCPEnabled": false,
            "DHCPServerAddr": "",
            "IPAddresses": []
        }
    ]
},
"memory": {
    "Size": 8417411072,
    "DisplayName": "RAM"
},
"cpu": {
    "cpus": [
        {
            "AddressWidth": 64,
            "Architecture": "x64",
            "DataWidth": 64,
            "DisplayName": "CPU0",
            "Manufacturer": "GenuineIntel",
            "MaxClockSpeedMHz": 2001,
            "Model": "Intel64 Family 6 Model 122 Stepping 8",
            "Name": "Intel(R) Celeron(R) J4125 CPU @ 2.00GHz"
        }
    ]
},
"os": {
    "DisplayName": "DESKTOP-Q7GQ74R",
    "OperatingSystemName": "Microsoft Windows 10 Pro",
    "Organization": "",
    "SystemDrive": "C:",
    "OperatingSystemVersion": "10.0.19044"
}

```

```

    },
    "usb": {
      "usbdevices": [
        {
          "DisplayName": "HID-compliant consumer control
device",
          "DeviceID":
"HID\\VID_0D8C&PID_0014&MI_03\\7&2EB12962&0&0000",
          "HardwareId": "{ HID\\VID_0D8C&PID_0014&REV_0100&MI_03
HID\\VID_0D8C&PID_0014&MI_03 HID\\VID_0D8C&UP:000C_U:0001
HID_DEVICE_SYSTEM_CONSUMER HID_DEVICE_UP:000C_U:0001 HID_DEVICE }",
          "Manufacturer": "Microsoft",
          "Service": "Empty",
          "Status": "OK"
        }
      ]
    },
    "bluetooth": null,
    "createdAt": "2022-05-16T08:49:03.738Z",
    "updatedAt": "2022-07-14T03:24:21.756Z"
  },
  "usage": {},
  "peripherals": [
    {
      "peripheralSerialNo": "002R000044",
      "product": "SREDKey2",
      "hotPluggable": true,
      "connected": false,
      "interface": "USB",
      "fwVersion": "SREDKEY2 FW v1.01.008.0392.T",
      "updatedAt": "2022-07-14T08:06:00.108Z"
    }
  ]
},
"timestamp": "2022-07-14T08:12:21.243Z"
}

```

Success Response: (managed device)

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "product": "SREDKey2",
    "model": "IDSK2-534D",
    "sdkVersion": "1.0.0",
    "fwVersion": "SREDKEY2 FW v1.01.008.0392.T",
    "hotPluggable": true,
    "connected": false,
    "interface": "USB",
    "lastOnline": "2022-07-14T07:55:26.450Z",
    "updatedAt": "2022-07-14T08:06:00.108Z",
    "createdAt": "2022-07-14T06:29:20.149Z",
    "extraInfo": "Device ID: SREDKey2:002R000044\nDevice Type:
IDT_DEVICE_AUGUSTA",

```



```

"latitude": 25.034000396728516,
"address": null,
"longitude": 121.56800079345703,
"productVendor": "IDTECH",
"isNewKeyAvailable": null,
"fwUpdateVersion": "IDTechSDK_289+ SREDKey2 v1.02.001.0472.T",
"serialno": "002R000044",
"host": {
  "serialno": "86ebf208-4b48-4a98-816a-f9943aa160a2",
  "product": "WINDOWS GENERIC",
  "alias": "mini6",
  "group": "Win-AutoTest-Default"
},
"timestamp": "2022-07-14T08:18:16.415Z"
}

```

3.4.3. GET /rdm/v2/devices

List all devices.

Query Parameters:

Field	Type	Description
group	String	List the devices in a group. <i>Default value: __all__</i>
orders	String	The display order of JSON strings in the parameters array; the available fields are listed in the allowed values. Default values: <code>[["heartbeatAt","desc"],["managedBy","desc"]]</code> <i>Allowed values: vendor, alias, serialno, platform, product, heartbeatAt, managedBy, status, group</i>
offset	Number	Offset for the query. <i>Default value: 0</i>
limit	Number	Maximum number of results to display. <i>Default value: 20</i>
search (optional)	String	Keyword for searching in fields: "alias", "serialno", "platform", "group", "managedBy".
filters	String	JSON string of the filter object. <i>Default value: {}</i>
filters.alias (optional)	String[]	Filters the alias field in search values.
filters.serialno (optional)	String[]	Filters the serialno field in search values.
filters.platform (optional)	String[]	Filters the platform field in search values.
filters.group (optional)	String[]	Filters the group field in search values.
filters.managedBy (optional)	String[]	Filters the managedBy field in search values.
filters.product (optional)	String[]	Filters the product field in search values.
filters.heartbeatAt (optional)	String[]	Filters the heartbeatAt field in search values.
filters.status (optional)	String[]	Filters the status field in search values.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of the devices returned.
alias	String	Device alias.
serialno	String	Device serial number.
platform	String	Device platform.
product	String	Device product type.
heartbeatAt	String	The most recent device heartbeat.
managedBy	String	Device managing this device.
status	String	Device online status.
group	String	Device group.
vendor	String	Device vendor.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "rows": [
      {
        "alias": "150K100030",
        "serialno": "150K100030",
        "platform": "ANDROID",
        "product": "Unknown",
        "status": "NORMAL",
        "heartbeatAt": "2022-07-01T01:31:10.575Z",
        "managedBy": null,
        "group": "Jocelyn-group",
        "vendor": "IDTECH",
        "vendorName": "IDTECH"
      },
      {
        "alias": "150K100046",
        "serialno": "150K100046",
        "platform": "ANDROID",
        "product": "Unknown",
        "status": "NORMAL",
        "heartbeatAt": "2022-07-01T01:31:18.165Z",
        "managedBy": null,
        "group": "Jacky-redwood",
        "vendor": "IDTECH",
        "vendorName": "IDTECH"
      },
      {
        "alias": "Jocelyn",

```

```
    "serialno": "150K100002",
    "platform": "ANDROID",
    "product": "Unknown",
    "status": "NORMAL",
    "heartbeatAt": "2022-07-01T01:31:20.592Z",
    "managedBy": null,
    "group": "Jocelyn-group",
    "vendor": "IDTECH",
    "vendorName": "IDTECH"
  },
  "count": "3"
},
"timestamp": "2022-07-14T05:42:09.217Z"
}
```

3.5. EventTemplate Methods

The section below describes methods for the EventTemplate endpoint.

3.5.1. **POST** /rdm/v1/eventTemplate

Create an event template.

Request Body:

Field	Type	Description
title	String	Template title.
groups <i>(optional)</i>	String[]	An array of groups to which the event applies.
serialnos <i>(optional)</i>	String[]	An array of host device serial numbers that apply to this event.
actionName	String	Application name.
platform	String	Application platform.
startBy	String	Start the event immediately ("now") or at a scheduled time. If startBy = now, repeatType must be "never." <i>Default value: now Allowed values: now, schedule</i>
repeatType <i>(optional)</i>	String	When startBy = schedule, repeatType is one of the following: [daily,monthly,weekly]. Required when startBy = "schedule" <i>Default value: never Allowed values: never, daily, monthly, weekly</i>
repeatPatternMonthly <i>(optional)</i>	String	Specify a date or day of the nth week of every month to repeat event (e.g., 0,3 means repeat event monthly on Sunday of 3rd week). Required when startBy = "schedule"
repeatPatternWeekly <i>(optional)</i>	String	Repeat the event on the specified day of the week (0 is Sunday). Required when startBy = "schedule"
time <i>(optional)</i>	String	Time at which to execute the event. Required when startBy = "schedule"
timezone <i>(optional)</i>	String	Event timezone.
start <i>(optional)</i>	String	Start date for the event. Required when startBy = "schedule"
end <i>(optional)</i>	String	End date for the event. Required when startBy = "schedule"
color <i>(optional)</i>	String	Color to display for the event on the calendar.
description <i>(optional)</i>	String	Template description.
payload	Object	Payload of application settings.
maxRetries	Number	Maximum number of times to retry the event action.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
uuid	String	Unique template identifier.
vendor	String	Account owner for the template.
title	String	Template name.
groups	String[]	An array of groups to which the event applies.
actionName	String	Application the event triggers.
startByoptional	String	If value is now, the event is triggered when created. <i>Allowed values: now</i>
repeatType	String	Type of repetition for the event.
repeatPatternMonthly	String	Monthly repetition for the event.
repeatPatternWeekly	String	Weekly repetition for the event.
time	String	Time to trigger the event.
timezone	String	Event timezone.
start	String	Event start time.
end	String	Event end time.
description	String	Event description.
payload	Object	Event action payload.
color	String	Color to display for the event on the calendar.
platform	String	Event platform.
serialnos	String[]	An array of device serial numbers to which the event applies.
maxRetries	String	Maximum number of times to retry the event action.
updatedAt	String	Last updated time for the event.
createdAt	String	Creation time for the event.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "uuid": "4da3466f-e4c4-47e3-a517-ea689e19534c",
    "vendor": "IDTECH",
    "title": "LeoVP3300UpdateRKI",
    "groups": ["LeoLiaoGroup"],
    "serialnos": [],
    "actionName": "com.idtech.neoperipheralmanager",
    "platform": "WINDOWS",
    "startBy": "now",
    "repeatType": "never",
    "repeatPatternMonthly": "",
    "repeatPatternWeekly": "",
    "time": "17:31",
```

```

"timezone": "Asia/Taipei",
"start": "2022-04-13T16:00:00.000Z",
"end": "2022-04-14T15:59:59.000Z",
"color": "darkgray",
"description": "",
"payload": {
  "apply_to_list": "Product",
  "apply_to_product_list": "VP3300",
  "apply_to_sn_edit": "",
  "apply_to_sn_edit_begin": "",
  "apply_to_sn_edit_end": "",
  "command_list": "Update",
  "update_firmware_switch": false,
  "update_firmware_selector": "",
  "update_vivo_switch": false,
  "update_vivo_selector": "",
  "update_rki_switch": true,
  "update_rki_release_switch": false,
  "apply_to_list_display_name": "Product",
  "apply_to_product_list_display_name": "VP3300"
},
"maxRetries": 0,
"createdAt": "2022-04-14T09:31:44.376Z",
"updatedAt": "2022-04-14T09:31:44.376Z"
}
}

```

3.5.2. **DELETE** /rdm/v1/eventTemplate/:uuid

Delete an event template.

Parameters:

Field	Type	Description
uuid	String	Template unique identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
result	Object	Response data.
timestamp	String	API response timestamp.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "timestamp": "2022-04-06T08:20:08.059Z"
  }
}

```

3.5.3. GET /rdm/v1/eventTemplate

Get a list of event templates.

Query Parameters:

Field	Type	Description
offset (optional)	Number	Offset for the query. <i>Default value: 0</i>
limit (optional)	Number	Maximum number of results to return. <i>Default value: 20</i>
order (optional)	String	Field name for sorting. <i>Default value: updatedAt</i>
orderType (optional)	String	Sort direction. <i>Default value: DESC</i>
search (optional)	String	Keyword for search in title, groups, actionName, createdAt, updatedAt.
title (optional)	String	Search for a specific template by title field.
timezone (optional)	String	Search createdAt, updatedAt in a specific timezone.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of template rows.
uuid	String	Unique template identifier.
vendor	String	Account owner for the template.
title	String	Template name.
groups	String[]	An array of groups to which the event applies.
actionName	String	Application the event triggers.
startByOptional	String	If value is "now", the event is triggered when created. <i>Allowed values: now</i>
repeatType	String	Type of repetition for the event.
repeatPatternMonthly	String	Monthly repetition for the event.
repeatPatternWeekly	String	Weekly repetition for the event.
time	String	Time to trigger the event.
timezone	String	Event timezone.
start	String	Event start time.
end	String	Event end time.
description	String	Event description.
payload	Object	Event action payload.
color	String	Color to display for the event on the calendar.
platform	String	Event platform.

serialnos	String[]	An array of device serial numbers to which the event applies.
maxRetries	String	Maximum number of times to retry the event action.
updatedAt	String	Last updated time for the event.
createdAt	String	Creation time for the event.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "timestamp": "2022-08-26T07:47:55.765Z",
  "result": {
    "count": 27,
    "rows": [
      {
        "uuid": "4da3466f-e4c4-47e3-a517-ea689e19534c",
        "vendor": "IDTECH",
        "title": "LeoVP3300UpdateRKI",
        "groups": ["LeoLiaoGroup"],
        "serialnos": [],
        "actionName": "com.idtech.neoperipheralmanager",
        "platform": "WINDOWS",
        "startBy": "now",
        "repeatType": "never",
        "repeatPatternMonthly": "",
        "repeatPatternWeekly": "",
        "time": "17:31",
        "timezone": "Asia/Taipei",
        "start": "2022-04-13T16:00:00.000Z",
        "end": "2022-04-14T15:59:59.000Z",
        "color": "darkgray",
        "description": "",
        "payload": {
          "apply_to_list": "Product",
          "apply_to_product_list": "VP3300",
          "apply_to_sn_edit": "",
          "apply_to_sn_edit_begin": "",
          "apply_to_sn_edit_end": "",
          "command_list": "Update",
          "update_firmware_switch": false,
          "update_firmware_selector": "",
          "update_vivo_switch": false,
          "update_vivo_selector": "",
          "update_rki_switch": true,
          "update_rki_release_switch": false,
          "apply_to_list_display_name": "Product",
          "apply_to_product_list_display_name": "VP3300"
        },
        "maxRetries": 0,
        "createdAt": "2022-04-14T09:31:44.376Z",
        "updatedAt": "2022-04-14T09:31:44.376Z"
      }
    ]
  }
}

```


3.6. Groups Methods

The section below describes methods for the Groups endpoint.

3.6.1. **POST** /rdm/v1/groups

Create a group.

Request Body:

Field	Type	Description
key	String	Group identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.
key	String	Group identifier.
vendor	String	Account owner for the group.
parent	String	Parent group identifier.
totalCount	Number	Total number of child groups.
profileCount	Number	Number of profiles that belong to the group.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 34,
    "rows": [
      {
        "key": "Andrew-Redwood",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-03-30T02:23:36.763Z",
        "updatedAt": "2022-03-30T02:23:36.763Z",
        "totalCount": 1,
        "profileCount": 1
      },
      {
        "key": "Android11-Emulator-Android-lite",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-01-21T09:35:54.567Z",
        "updatedAt": "2022-01-21T09:35:54.567Z",
        "totalCount": 0,

```

```

    "profileCount": 1
  }
]
}
}

```

3.6.2. **DELETE** /rdm/v1/groups/:key

Delete a group by identifier.

Parameters:

Field	Type	Description
key	String	Group identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.
key	String	Group identifier.
vendor	String	Account owner for the group.
parent	String	Parent group identifier.
totalCount	Number	Total number of child groups.
profileCount	Number	Number of profiles that belong to the group.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 34,
    "rows": [
      {
        "key": "Andrew-Redwood",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-03-30T02:23:36.763Z",
        "updatedAt": "2022-03-30T02:23:36.763Z",
        "totalCount": 1,
        "profileCount": 1
      },
      {
        "key": "Android11-Emulator-Android-lite",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-01-21T09:35:54.567Z",

```

```

    "updatedAt": "2022-01-21T09:35:54.567Z",
    "totalCount": 0,
    "profileCount": 1
  }
]
}
}

```

3.6.3. GET /rdm/v1/groups

Get a list of groups for the current account.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.
key	String	Group identifier.
vendor	String	Account owner for the group.
parent	String	Parent group identifier.
totalCount	Number	Total number of child groups.
profileCount	Number	Number of profiles that belong to the group.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 34,
    "rows": [
      {
        "key": "Andrew-Redwood",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-03-30T02:23:36.763Z",
        "updatedAt": "2022-03-30T02:23:36.763Z",
        "totalCount": 1,
        "profileCount": 1
      },
      {
        "key": "Android11-Emulator-Android-lite",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-01-21T09:35:54.567Z",
        "updatedAt": "2022-01-21T09:35:54.567Z",
        "totalCount": 0,
        "profileCount": 1
      }
    ]
  }
}

```

```

    }
  ]
}
}

```

3.6.4. PATCH /rdm/v1/groups

Update a group.

Request Body:

Field	Type	Description
key	String	Original group identifier.
newKey	String	New group identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.
key	String	Group identifier.
vendor	String	Account owner for the group.
parent	String	Parent group identifier.
totalCount	Number	Total number of child groups.
profileCount	Number	Number of profiles that belong to the group.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 34,
    "rows": [
      {
        "key": "Andrew-Redwood",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-03-30T02:23:36.763Z",
        "updatedAt": "2022-03-30T02:23:36.763Z",
        "totalCount": 1,
        "profileCount": 1
      },
      {
        "key": "Android11-Emulator-Android-lite",
        "vendor": "IDTECH",
        "parent": null,
        "createdAt": "2022-01-21T09:35:54.567Z",

```

```
"updatedAt": "2022-01-21T09:35:54.567Z",  
  "totalCount": 0,  
  "profileCount": 1  
}  
]  
}  
}
```

3.7. Ownership Methods

The section below describes methods for the Ownership endpoint.

3.7.1. GET /rdm/v2/ownership/devices

Get a list of the devices for a given account, including its sub-accounts.

Query Parameters:

Field	Type	Description
selectedVendor	String	Lists the devices in a group belonging to the account or subaccounts. <i>Default value: __all__</i>
orders	String	The display order of JSON strings in the parameters array; the available fields are listed in the allowed values. Default values: [["heartbeatAt","desc"],["managedBy","desc"]] <i>Allowed values: vendor, alias, serialno, platform, product, heartbeatAt, managedBy, status, group</i>
offset	Number	Offset for the query. <i>Default value: 0</i>
limit	Number	Maximum number of results to return. <i>Default value: 20</i>
search (optional)	String	Keyword for searching in fields: "alias", "serialno", "platform", "group", "managedBy".
filters	Object	JSON string of the filter object. <i>Default value: {}</i>
filters.alias (optional)	String[]	Filters the alias field in search values.
filters.serialno (optional)	String[]	Filters the serialno field in search values.
filters.platform (optional)	String[]	Filters the platform field in search values.
filters.group (optional)	String[]	Filters the group field in search values.
filters.managedBy (optional)	String[]	Filters the managedBy field in search values.
filters.product (optional)	String[]	Filters the product field in search values.
filters.heartbeatAt (optional)	String[]	Filters the heartbeatAt field in search values.
filters.status (optional)	String[]	Filters the status field in search values.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
vendorDeviceCount	Object	The number of devices in the vendor's groups.
count	Number	Total number of rows in the response.
rows	Object[]	An array of the devices returned.
alias	String	Device alias.
serialno	String	Device serial number.

platform	String	Device platform.
product	String	Device product type.
heartbeatAt	String	The most recent device heartbeat.
managedBy	String	Device managing this device.
status	String	Device online status.
group	String	Device group.
vendor	String	Device account owner.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "vendorDeviceCount": {
      "swdev": 51,
      "test-vendor-1-11-5539f": 4,
      "testvendor003-4e70d": 39,
      "TEST-VENDOR-1": 14,
      "UNKNOWN": 11776,
      "sub-swdev": 6,
      "IDTECH": 49,
      "test-vendor-1-d30aa": 13,
      "walkerv-c5945": 6,
      "zoo-94fea": 1,
      "CypressTesting": 2,
      "LoadTest": 163
    },
    "rows": [
      {
        "alias": "150K100030",
        "serialno": "150K100030",
        "platform": "ANDROID",
        "product": "Unknown",
        "status": "NORMAL",
        "heartbeatAt": "2022-07-01T01:31:10.575Z",
        "managedBy": null,
        "group": "Jocelyn-group",
        "vendor": "IDTECH",
        "vendorName": "IDTECH"
      },
      {
        "alias": "150K100046",
        "serialno": "150K100046",
        "platform": "ANDROID",
        "product": "Unknown",
        "status": "NORMAL",
        "heartbeatAt": "2022-07-01T01:31:18.165Z",
        "managedBy": null,
        "group": "Jacky-redwood",
        "vendor": "IDTECH",
        "vendorName": "IDTECH"
      }
    ]
  }
}

```

```
        "alias": "Jocelyn",
        "serialno": "150K100002",
        "platform": "ANDROID",
        "product": "Unknown",
        "status": "NORMAL",
        "heartbeatAt": "2022-07-01T01:31:20.592Z",
        "managedBy": null,
        "group": "Jocelyn-group",
        "vendor": "IDTECH",
        "vendorName": "IDTECH"
    },
    "count": "3"
},
"timestamp": "2022-07-14T05:42:09.217Z"
}
```


3.8. Profiles Methods

The section below describes methods for the Profiles endpoint.

3.8.1. **POST** /rdm/v1/groupProfile

Assign the profile to a group.

Request Body:

Field	Type	Description
profilekey	String	Profile identifier.
groupKey	String	Group identifier to which to assign the profile.

Success 200:

Field	Type	Description
groupProfiles	Object	Group profiles retrieved by the query.
rows	Object[]	An array of profiles.
groupKey	String	Group identifier that owns the profile.
profileKey	String	Profile identifier.
vendor	String	Account that created the group profile.
index	String	Index of the profiles in the group.
platform	String	Profile platform.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "groupProfiles": {
      "rows": [
        {
          "groupKey": "__all__",
          "profileKey": "ETADemoTest",
          "vendor": "IDTECH",
          "index": 999,
          "createdAt": "2022-03-30T00:31:06.691Z",
          "updatedAt": "2022-03-30T00:31:06.691Z",
          "platform": "ANDROID"
        }
      ]
    },
    "timestamp": "2022-04-14T06:35:01.252Z"
  }
}
```

3.8.2. **POST** /rdm/v1/profiles

Create a profile and assign it to a group.

Request Body:

Field	Type	Description
key	String	Profile identifier.
groupKey	String	Group identifier to which to assign the profile.
setting (optional)	String	Profile settings key.
config (optional)	Object	Configuration value for the profile setting.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
groupProfiles	Object	Group profiles retrieved by the query.
rows	Object[]	An array of profiles.
groupKey	String	Group identifier that owns the profile.
profileKey	String	Profile identifier.
vendor	String	Account that created the group profile.
index	String	Index of the profiles in the group.
platform	String	Profile platform.
profiles	Object	Profiles retrieved by the query.
rows	Object[]	An array of profiles.
key	String	Profile identifier.
vendor	String	Account that created the profile.
setting	String	Identifier for the settings in the profile.
config	Object	Object for the profile configuration.
platform	String	Profile platform.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "groupProfiles": {
      "rows": [
        {
          "groupKey": "__all__",
          "profileKey": "ETADemoTest",
          "vendor": "IDTECH",
          "index": 999,
          "platform": "ANDROID",
          "createdAt": "2022-03-30T00:31:06.691Z",
          "updatedAt": "2022-03-30T00:31:06.691Z",

```

```

    }
  ],
  },
  "profiles": {
    "rows": [
      {
        "key": "111",
        "vendor": "IDTECH",
        "setting": "appParameters:com.idtech.publickeyprovider:key_list",
        "config": {
          "appParameters": {
            "key_list": [
              13,
              14,
              15
            ]
          }
        },
        "platform": "ANDROID",
        "createdAt": "2022-03-29T01:10:26.887Z",
        "updatedAt": "2022-03-29T01:10:26.887Z"
      }
    ]
  },
  "timestamp": "2022-04-14T06:35:01.252Z"
}

```

3.8.3. **DELETE** /rdm/v1/profiles

Delete a profile by identifier.

Query Parameters:

Field	Type	Description
key	String	Profile identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
groupProfiles	Object	Group profiles retrieved by the query.
rows	Object[]	An array of profiles.
groupKey	String	Group identifier that owns the profile.
profileKey	String	Profile identifier.
vendor	String	Account that created the group profile.
index	String	Index of the profiles in the group.
platform	String	Profile platform.
profiles	Object	Profiles retrieved by the query.

Field	Type	Description
rows	Object[]	An array of profiles.
key	String	Profile identifier.
vendor	String	Account that created the profile.
setting	String	Identifier for the settings in the profile.
config	Object	Object for the profile configuration.
platform	String	Profile platform.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "groupProfiles": {
      "rows": [
        {
          "groupKey": "__all__",
          "profileKey": "ETADemoTest",
          "vendor": "IDTECH",
          "index": 999,
          "platform": "ANDROID",
          "createdAt": "2022-03-30T00:31:06.691Z",
          "updatedAt": "2022-03-30T00:31:06.691Z",
        }
      ]
    },
    "profiles": {
      "rows": [
        {
          "key": "111",
          "vendor": "IDTECH",
          "setting": "appParameters:com.idtech.publickeyprovider:key_list",
          "config": {
            "appParameters": {
              "key_list": [
                13,
                14,
                15
              ]
            }
          },
          "platform": "ANDROID",
          "createdAt": "2022-03-29T01:10:26.887Z",
          "updatedAt": "2022-03-29T01:10:26.887Z"
        }
      ]
    },
    "timestamp": "2022-04-14T06:35:01.252Z"
  }
}

```

3.8.4. GET /rdm/v1/profiles

Get a list of profiles for the current account.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
groupProfiles	Object	Group profiles retrieved by the query.
rows	Object[]	An array of profiles.
groupKey	String	Group identifier that owns the profile.
profileKey	String	Profile identifier.
vendor	String	Account that created the group profile.
index	String	Index of the profiles in the group.
platform	String	Profile platform.
profiles	Object	Profiles retrieved by the query.
rows	Object[]	An array of profiles.
key	String	Profile identifier.
vendor	String	Account that created the profile.
setting	String	Identifier for the settings in the profile.
config	Object	Object for the profile configuration.
platform	String	Profile platform.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "groupProfiles": {
      "rows": [
        {
          "groupKey": "__all__",
          "profileKey": "ETADemoTest",
          "vendor": "IDTECH",
          "index": 999,
          "platform": "ANDROID"
          "createdAt": "2022-03-30T00:31:06.691Z",
          "updatedAt": "2022-03-30T00:31:06.691Z",
        }
      ]
    },
    "profiles": {
      "rows": [
        {
          "key": "111",
          "vendor": "IDTECH",
          "setting": "appParameters:com.idtech.publickeyprovider:key_list",

```

```

    "config": {
      "appParameters": {
        "key_list": [
          13,
          14,
          15
        ]
      },
      "platform": "ANDROID",
      "createdAt": "2022-03-29T01:10:26.887Z",
      "updatedAt": "2022-03-29T01:10:26.887Z"
    }
  ],
  "timestamp": "2022-04-14T06:35:01.252Z"
}

```

3.8.5. **DELETE** /rdm/v1/groupProfile

Remove a profile from the group.

Query Parameters:

Field	Type	Description
profilekey	String	Profile identifier.
groupKey	String	Group identifier from which to remove the profile.

Success 200:

Field	Type	Description
groupProfiles	Object	Group profiles retrieved by the query.
rows	Object[]	An array of profiles.
groupKey	String	Group identifier that owns the profile.
profileKey	String	Profile identifier.
vendor	String	Account that created the group profile.
index	String	Index of the profiles in the group.
platform	String	Profile platform.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "groupProfiles": {
      "rows": [
        {
          "groupKey": "__all__",
          "profileKey": "ETADemoTest",
          "vendor": "IDTECH",
          "index": 999,

```

```

      "createdAt": "2022-03-30T00:31:06.691Z",
      "updatedAt": "2022-03-30T00:31:06.691Z",
      "platform": "ANDROID"
    }
  ],
},
"timestamp": "2022-04-14T06:35:01.252Z"
}
}

```

3.8.6. PATCH /rdm/v1/profiles

Update profile setting configuration.

Request Body:

Field	Type	Description
key	String	Profile identifier.
platform	String	Platform for the profile.
settings	Object[]	An array of profile setting configurations.
settings.vendor	String	Account for the profile settings.
settings.key	String	Profile identifier.
settings.setting	String	Identifier for the profile settings.
settings.platform	String	Profile setting platform.
settings.config	Object	Configuration values for the profile settings.

Success 200:

Field	Type	Description
profiles	Object	Profiles retrieved by the query.
rows	Object[]	An array of profiles.
key	String	Profile identifier.
vendor	String	Account that created the profile.
setting	String	Identifier for the settings in the profile.
config	Object	Object for the profile configuration.
platform	String	Profile platform.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "profiles": {
      "rows": [
        {
          "key": "111",
          "vendor": "IDTECH",
          "setting": "appParameters:com.idtech.publickeyprovider:key_list",
          "config": {
            "appParameters": {

```

```
        "key_list": [
            13,
            14,
            15
        ]
    },
    "platform": "ANDROID",
    "createdAt": "2022-03-29T01:10:26.887Z",
    "updatedAt": "2022-03-29T01:10:26.887Z"
}
]
},
"timestamp": "2022-04-14T06:35:01.252Z"
}
```


3.9. Reports Methods

The section below describes methods for the Reports endpoint.

3.9.1. **DELETE** /rdm/v1/reports

Delete a report.

Query Parameters:

Field	Type	Description
key	String	Report identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
result	Object	Response data.
timestamp	String	API response timestamp.

3.9.2. **GET** /rdm/v1/reports

Get a list of reports.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.
vendor	String	Device account owner.
vendors	String[]	An array of subaccounts that can access the report.
name	String	Report name.
key	String	Report file AWS S3 key.
bucket	String	Report file AWS S3 bucket.
reportType	String	Report type. <i>Allowed values: devices_online, devices_online_details, products_distribution, profiles_per_vendor, profiles_per_group, sw_details, peripheral_details, app_usages, profiles_export, settings_per_group_export</i>
dateScope	String	Report date range. <i>Allowed values: CurrentDay, LastDay, LastMonth, LastWeek, Date, DateRange, LastHour</i>
dateScopeStart	String	Report range beginning date.
dateScopeEnd	String	Report range end date.

Field	Type	Description
reportFormat	String	Report file format. <i>Allowed values: CSV, XLSX, ZIP, NULL</i>
createdBy	String	Date and time the report was created.
status	String	Report generation process status. <i>Allowed values: PENDING, COMPLETED, FAILED</i>
url	String	AWS S3 Pre-Signed download URL.
vendors	Object[]	An array of subaccounts.
vendor	String	Unique account identifier.
name	String	Account name.
path	String	Account layer path.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 1,
    "rows": [
      {
        "vendor": "IDTECH",
        "vendors": ["CypressTesting", "swdev"],
        "name": "pr_last week",
        "key": "IDTECH/report/pr_last_week-
(08.22.2021) (20210901004350463) (937a528bc2caf43bf236ac4e0fc9d7bc).csv",
        "bucket": "idt-tms-dev",
        "reportType": "profiles_per_vendor",
        "dateScope": "LastWeek",
        "dateScopeStart": "2021-08-22T00:00:00.000Z",
        "dateScopeEnd": "2021-08-28T00:00:00.000Z",
        "reportFormat": "CSV",
        "createdBy": "diana.wong@idtechproducts.com",
        "status": "COMPLETED",
        "createdAt": "2021-09-01T00:43:50.544Z",
        "updatedAt": "2021-09-01T00:43:50.544Z",
        "url": "https://idt-tms-dev.s3.us-east-
2.amazonaws.com/IDTECH/report/pr_last_week-
%2808.22.2021%29%2820210901004350463%29%28937a528bc2caf43bf236ac4e0fc9d7bc%2
9.csv?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-
Credential=AKIAQQK5YHONAIEW3YAHM%2F20220414%2Fus-east-
2%2Fs3%2Faws4_request&X-Amz-Date=20220414T090426Z&X-Amz-Expires=21600&X-Amz-
Signature=3ac78e5818c86e447499967f16977feb797a60a13ff2f620d0cb1b391ee5d9bd&X-
-Amz-SignedHeaders=host"
      }
    ],
    "vendors": [
      {
        "vendor": "IDTECH",
        "name": "IDTECH",
        "path": "ROOT.IDTECH"
      }
    ]
  }
}

```

```

    "vendor": "swdev",
    "name": "Software Dev",
    "path": "ROOT.IDTECH.swdev"
  },
  {
    "vendor": "CypressTesting",
    "name": "CypressTesting",
    "path": "ROOT.IDTECH.swdev.CypressTesting"
  }
]
}
}

```

3.9.3. GET /rdm/v1/reports/detail

Get the details for a specific report.

Query Parameters:

Field	Type	Description
key	String	Report identifier.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
result	Object	Response data.
vendor	String	Report owner.
vendors	String[]	An array of subaccounts that can access the report.
name	String	Report name.
key	String	Report file AWS S3 key.
bucket	String	Report file AWS S3 bucket.
reportType	String	Type of report. <i>Allowed values: devices_online, devices_online_details, products_distribution, profiles_per_vendor, profiles_per_group, sw_details, peripheral_details, app_usages, profiles_export, settings_per_group_export</i>
dateScope	String	Time range for the report. <i>Allowed values: CurrentDay, LastDay, LastMonth, LastWeek, Date, DateRange, LastHour</i>
dateScopeStart	String	Report range beginning date.
dateScopeEnd	String	Report range end date.
reportFormat	String	Report file format. <i>Allowed values: CSV, XLSX, ZIP, NULL</i>
createdBy	String	Date and time the report was created.
status	String	Report generation process status. <i>Allowed values: PENDING, COMPLETED, FAILED</i>
url	String	AWS S3 Pre-Signed download URL.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "vendor": "IDTECH",
    "vendors": ["CypressTesting", "swdev"],
    "name": "Devices Online Details Current Day report",
    "key": "IDTECH/report/Devices_Online_Details_Current_Day_report-
(08.31.2021)(20210831194328319)(bf1ef44746dd30151322a4827247abe3).csv",
    "bucket": "idt-tms-dev",
    "reportType": "devices_online_details",
    "dateScope": "CurrentDay",
    "dateScopeStart": "2021-08-31T00:00:00.000Z",
    "dateScopeEnd": "2021-08-31T00:00:00.000Z",
    "reportFormat": "CSV",
    "createdBy": "diana.wong@idtechproducts.com",
    "status": "COMPLETED",
    "createdAt": "2021-08-31T19:43:28.398Z",
    "updatedAt": "2021-08-31T19:43:28.398Z",
    "url": "https://idt-tms-dev.s3.us-east-
2.amazonaws.com/IDTECH/report/Devices_Online_Details_Current_Day_report-
%2808.31.2021%29%2820210831194328319%29%28bf1ef44746dd30151322a4827247abe3%2
9.csv?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-
Credential=AKIAQQK5YHONAEW3YAHM%2F20220418%2Fus-east-
2%2Fs3%2Faws4_request&X-Amz-Date=20220418T013632Z&X-Amz-Expires=21600&X-Amz-
Signature=ed89efefc1dc57116c812b0938b7b170e14dacb82fe33a38c2c8f413cc13f5be&X
-Amz-SignedHeaders=host",
    "timestamp": "2022-04-18T01:36:32.663Z"
  }
}
```

3.10. Users Methods

The section below describes methods for the Users endpoint.

3.10.1. **POST** /rdm/v1/users/create

Create an invitation link.

Request Body:

Field	Type	Description
account	String	User account (email format string).
companyName <i>(optional)</i>	String	User company name.
location <i>(optional)</i>	String	User location.
mobilePhoneNumber <i>(optional)</i>	String	User mobile number.
officePhoneNumber <i>(optional)</i>	String	User office phone number.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
user	Object[]	An array of user data.
account	String	User account.
vendor	String	User account identifier.
name	String	User name.
loginTrials	Number	Number of attempts for a login; increment when a login failure occurs.
twoFactorTrials	Number	Number of attempts to verify a two-factor auth token; increment when failure occurs.
role	String	User role.
lastLoginAt	String	Timestamp for the last successful login.
lastLoginFrom	String	Remote IP location for the last successful login.
location	String	User location.
officePhoneNumber	String	User office phone number.
mobilePhoneNumber	String	User mobile phone number.
companyName	String	User company name.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "timestamp": "2022-04-06T03:39:17.216Z",
  "result": {
    "user": [
      {
```

```

    "account": "demo@idtechproducts.com",
    "vendor": "IDTECH",
    "name": "Femo",
    "loginTrials": 0,
    "twoFactorTrials": 0,
    "role": "user",
    "lastLoginAt": null,
    "lastLoginFrom": null,
    "location": "Taoyuan",
    "officePhoneNumber": null,
    "mobilePhoneNumber": "0933234234",
    "companyName": "IDTECH",
    "createdAt": "2022-04-06T03:39:17.152Z",
    "updatedAt": "2022-04-06T03:39:17.210Z"
  },
],
"invitationToken": "token string",
}
}

```

3.10.2. GET /rdm/v1/users/activities

Get a list of user activities.

Query Parameters:

Field	Type	Description
offset (optional)	Number	Offset for the query. <i>Default value: 0</i>
limit (optional)	Number	Maximum number of results to return. <i>Default value: 20</i>
search (optional)	String	Keyword for search rules.
order (optional)	String	Field name for sorting. <i>Default value: createdAt</i>
ordertype (optional)	String	Sort direction. <i>Default value: DESC</i>
start (optional)	String	History updatedAt start time for the activities list; field must be greater than the start time.
end (optional)	String	History updatedAt end time for the activities list; field must be less than the end time.

Success 200:

Field	Type	Description
account	String	Account that created the activity.
ip	String	IP where the activity was created.
comment	String	Comment inserted by the invoked function.
detail	String	JSON string of activity detail data.
createdAt	String	Date and time when activity was created.
url	String	Activity API URL.
method	String	HTTP method for the activity API.

status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of response data.

Success Response:

```
HTTP/1.1 200 OK
{
  "account": "demo@idtechprodcuts.com",
  "ip": "::1",
  "comment": "Update user roles, account: demo@idtechproducts.com, roles: admin-sub-vendor",
  "detail": "{ \"__old__\": [\"admin\", \"admin-sub-vendor-q1hkh0n\"], \"__new__\": [\"admin-sub-vendor-q1hkh0n\"] }",
  "createdAt": "2022-03-30T09:49:12.072Z",
  "url": "/ams/v1/users/demo@idtechproducts.com/roles",
  "method": "PATCH"
}
```

3.10.3. GET /rdm/v1/users

Get a list of users.

Query Parameters:

Field	Type	Description
offset (optional)	Number	Offset for the query. <i>Default value: 0</i>
limit (optional)	Number	Maximum number of results to return. <i>Default value: 20</i>
order (optional)	String	Field name for sorting. <i>Default value: createdAt</i>
orderType (optional)	String	Sort direction. <i>Default value: DESC</i>
search (optional)	String	Search in account, name, lastLoginFrom.
account (optional)	String	Search for a specific account under the current account.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
count	Number	Total number of rows in the response.
rows	Object[]	An array of user data.
account	String	User account.

vendor	String	User account identifier.
privilegeGroups	String[]	Privilege groups for the user.
status	String	User account status. <i>Allowed values: active, inactive</i>
useroptional	Object	User data.
nameoptional	String	User name.
lastLoginAtoptional	Number	Timestamp for the last successful login.
lastLoginFromoptional	Number	Remote IP location for the last successful login.
locationoptional	String	User location.
officePhoneNumberoptional	String	User office phone number.
mobilePhoneNumberoptional	String	User mobile phone number.
companyNameoptional	String	User company name.

Specific Account Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "count": 2,
    "rows": [
      {
        "vendor": "IDTECH",
        "status": "active",
        "account": "zazxzf@cutradition.com",
        "privilegeGroups": ["admin"],
        "user": {
          "name": "zazxzf@cutradition.com",
          "lastLoginAt": "2022-03-22T00:36:13.352Z",
          "lastLoginFrom": "220.128.240.146",
          "officePhoneNumber": null,
          "mobilePhoneNumber": null,
          "location": null,
          "companyName": null
        }
      },
      {
        "vendor": "IDTECH",
        "status": "active",
        "account": "arawer.wu@idtechproducts.com",
        "privilegeGroups": ["admin", "readonly-users-h60ejvh"],
        "user": {
          "name": "Arawer Wu",
          "lastLoginAt": "2022-03-30T06:13:08.792Z",
          "lastLoginFrom": "220.128.240.146",
          "officePhoneNumber": "135645676",
          "mobilePhoneNumber": "133656467",
          "location": "taiwan",
          "companyName": "idtech"
        }
      }
    ]
  },
  "timestamp": "2022-03-31T08:51:46.164Z"
}

```


}

3.10.4. GET /rdm/v1/users/me

Get the logged-in user's information.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
account	String	User account.
vendor	String	User account identifier.
name	String	User name.
loginTrials	Number	Number of attempts for a login; increment when a login failure occurs.
twoFactorTrials	Number	Number of attempts to verify a two-factor auth token; increment when failure occurs.
role	String	User role.
lastLoginAt	String	Timestamp for the last successful login.
lastLoginFrom	String	Remote IP location for the last successful login.
location	String	Location for the last successful login.
officePhoneNumber	String	User office phone number.
mobilePhoneNumber	String	User mobile phone number.
companyName	String	User company name.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "account": "Uafh84H(",
    "vendor": "ROOT",
    "name": "IDT Root",
    "loginTrials": 0,
    "twoFactorTrials": 1,
    "role": "root",
    "lastLoginAt": "2022-03-31T08:31:27.043Z",
    "lastLoginFrom": ":::1",
    "location": null,
    "officePhoneNumber": null,
    "mobilePhoneNumber": null,
    "companyName": null,
    "createdAt": "2020-10-08T05:32:53.061Z",
    "updatedAt": "2022-03-31T08:31:27.043Z",
    "timestamp": "2022-03-31T08:31:33.044Z"
  }
}
```

3.10.5. GET /rdm/v1/users/me/privilegeGroups

Get the logged-in user's privilege groups.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	String[]	An array of privilege groups for the user.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": ["admin"],
  "timestamp": "2022-03-31T08:52:57.266Z"
}
```

3.10.6. PATCH /rdm/v1/users/:account/active

Set a user account to active status.

Parameters:

Field	Type	Description
account	String	User account.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
account	String	User account.
vendor	String	User account identifier.
name	String	User name.
loginTrials	Number	Number of attempts for a login; increment when a login failure occurs.
twoFactorTrials	Number	Number of attempts to verify a two-factor auth token; increment when failure occurs.
role	String	User role.
lastLoginAt	String	Timestamp for the last successful login.
lastLoginFrom	String	Remote IP location for the last successful login.
location	String	Location for the last successful login.
officePhoneNumber	String	User office phone number.
mobilePhoneNumber	String	User mobile phone number.
companyName	String	User company name.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "account": "Uafh84H(",
    "vendor": "ROOT",
    "name": "IDT Root",
    "loginTrials": 0,
    "twoFactorTrials": 1,
    "role": "root",
    "lastLoginAt": "2022-03-31T08:31:27.043Z",
    "lastLoginFrom": "":1",
    "location": null,
    "officePhoneNumber": null,
    "mobilePhoneNumber": null,
    "companyName": null,
    "createdAt": "2020-10-08T05:32:53.061Z",
    "updatedAt": "2022-03-31T08:31:27.043Z",
```

```

    "timestamp": "2022-03-31T08:31:33.044Z"
  }
}

```

3.10.7. PATCH /rdm/v1/users/:account/inactive

Set a user account to inactive.

Parameters:

Field	Type	Description
account	String	User account,

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
account	String	User account.
vendor	String	User account identifier.
name	String	User name.
loginTrials	Number	Number of attempts for a login; increment when a login failure occurs.
twoFactorTrials	Number	Number of attempts to verify a two-factor auth token; increment when failure occurs.
role	String	User role.
lastLoginAt	String	Timestamp for the last successful login.
lastLoginFrom	String	Remote IP location for the last successful login.
location	String	Location for the last successful login.
officePhoneNumber	String	User office phone number.
mobilePhoneNumber	String	User mobile phone number.
companyName	String	User company name.

Success Response:

```

HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "account": "Uafh84H(",
    "vendor": "ROOT",
    "name": "IDT Root",
    "loginTrials": 0,
    "twoFactorTrials": 1,
    "role": "root",
    "lastLoginAt": "2022-03-31T08:31:27.043Z",
    "lastLoginFrom": "":1",
    "location": null,

```

```

"officePhoneNumber": null,
"mobilePhoneNumber": null,
"companyName": null,
"createdAt": "2020-10-08T05:32:53.061Z",
"updatedAt": "2022-03-31T08:31:27.043Z",
"timestamp": "2022-03-31T08:31:33.044Z"
}
}

```

3.10.8. PATCH /rdm/v1/users/:account

Update user info.

Parameters:

Field	Type	Description
account	String	User account.

Request Body:

Field	Type	Description
account	String	User account (email format string).
companyName <i>(optional)</i>	String	User company name.
location <i>(optional)</i>	String	User location.
mobilePhoneNumber <i>(optional)</i>	String	User mobile phone number.
officePhoneNumber <i>(optional)</i>	String	User office phone number.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object	Response data.
account	String	User account.
vendor	String	User account identifier.
name	String	User name.
loginTrials	Number	Number of attempts for a login; increment when a login failure occurs.
twoFactorTrials	Number	Number of attempts to verify a two-factor auth token; increment when failure occurs.
role	String	User role.
lastLoginAt	String	Timestamp for the last successful login.
lastLoginFrom	String	Remote IP location for the last successful login.
location	String	Location for the last successful login.
officePhoneNumber	String	User office phone number.
mobilePhoneNumber	String	User mobile phone number.
companyName	String	User company name.

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": {
    "account": "Uafh84H(",
    "vendor": "ROOT",
    "name": "IDT Root",
    "loginTrials": 0,
    "twoFactorTrials": 1,
    "role": "root",
    "lastLoginAt": "2022-03-31T08:31:27.043Z",
    "lastLoginFrom": "":1",
    "location": null,
    "officePhoneNumber": null,
    "mobilePhoneNumber": null,
    "companyName": null,
    "createdAt": "2020-10-08T05:32:53.061Z",
    "updatedAt": "2022-03-31T08:31:27.043Z",
    "timestamp": "2022-03-31T08:31:33.044Z"
  }
}
```

3.10.9. PATCH /rdm/v1/users/:account/roles

Upsert privilege user grants.

Parameters:

Field	Type	Description
account	String	User account.

Request Body:

Field	Type	Description
roles	String[]	An array of user roles. Note: Send the array string as body without a key.

Success 200:

Field	Type	Description
status	Number	0 for a successful request.
message	String	"OK" for a successful request.
timestamp	String	API response timestamp.
result	Object[]	An array of user data.
account	String	User account.
vendor	String	User account identifier.
privilegeGroups	String[]	Privilege groups for the user.
status	String	User account status. <i>Allowed values: active, inactive</i>

Success Response:

```
HTTP/1.1 200 OK
{
  "status": 0,
  "message": "OK",
  "result": [
    {
      "status": "active",
      "vendor": "IDTECH",
      "account": "howard.yang+1@idtechproducts.com",
      "privilegeGroups": ["admin"],
      "createdAt": "2022-04-06T03:39:17.156Z",
      "updatedAt": "2022-04-06T05:22:12.782Z"
    }
  ]
}
```