

monogoto

Bundle API

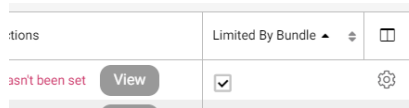
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Notes

1. Before starting to use bundles API, please make sure that your used user profile has the permissions to View/Edit/Delete bundles.
2. If you assign only Data bundle SMS and Voice will not be working. In order for SMS and Voice to be working you need to assign bundles for those functions as well.
3. You can use **PERIODIC** bundles that will renew automatically after X days (for example every 30 days) or you can use a **SINGLE** bundle for one time use of assigned bundle size.
4. If you set **validity period** of the bundle it will determine how long the bundle will be active even after being used up. **Example:** we assign 20MB bundle with 1 day validity, if customer uses the 20MB in a few hours and we add new 20MB bundle, the old bundle will still stay as active since we have set validity of 1 day. In such case we will need to delete the old used up bundle in order to the new bundle to be set as active, for the device to open a new data session you may need to restart the device (for phone flight mode on/off should be enough).
5. When your bundle expires and you have not set **validity period** or **bundle reset**, then your new added bundle should become active within several minutes.
6. New assigned bundles no longer override the currently active bundles, but are set to status "PENDING" and will become "ACTIVE" when the current bundle is deleted or "EXPIRED".
7. In portal Things section if you see that column "Limited By Bundle" is marked, that means the SIM card has assigned bundle.



8. In portal Things section, your SIM cards that have expired bundle are marked in **RED**.

Thing name	Things Group name	Networks	Last Data Time	Data Usage	SMS	Tags	Roaming Restrictions	Limited By Bundle
Vidas Partner	Project A phones	default network for AF	11/26/2020, 01:55:15	365 MB	4	Test SIM	Restriction hasn't been set	View
Vidas Tele2	Project A phones	default network for AF	11/27/2020, 16:31:57	223 MB	2	PP 8 +1 more	Restriction hasn't been set	View

API Dictionary

<<<_YOUR_USER_>>> – replace with your monogoto username.

<<<_YOUR_PWD_>>> – replace with your monogoto password.

<<<_TOKEN_HERE_>>> - replace with your token.

<<<_BUNDLE_TYPE_>>> - replace with bundle word **Single** or **Periodic**.

Single – is single time use bundle.

Periodic – is reoccurring bundle that will be applied again every entered X amount of days entered in <<<_PERIODIC_RESET_PERIOD_>>>.

<<<_THING_ICCID_ID_>>> – replace with ThingId_ICCID_ABC, where ABC is your thing ICCID.
Example: ThingId_ICCID_8912372646888991.

<<<_THING_GROUP_ID_>>> – replace with your thing group ID. *This is not mandatory and is used instead of <<<_THING_ICCID_ID_>>> when you want to apply bundle to the whole thing group.*

<<<_BUNDLE_SERVICE_TYPE_>>> – replace with bundle service type you wish to add (DATA, SMS, or VOICE).

DATA – use when you want to add a bundle for data.

SMS – use when you want to add a bundle for SMS.

VOICE – use when you want to add bundle for voice

<<<_BUNDLE_CREDIT_AMOUNT_>>> – replace with the amount you wish to add.

For DATA bundle – enter the amount of data you wish to assign in KB (1024 KB = 1 MB)

For SMS bundle – enter the SMS amount in units (10 = 10 SMS)

For VOICE bundle – enter the amount in minutes (10 = 10 minutes)

<<<_BUNDLE_VALIDITY_TIME_>>> – replace with the amount of days you wish this bundle to be active for usage (1 = 1 day, 30 = 30 days and etc.). After this time expires the bundle will become inactive/expired. *This is not mandatory, unless you need to add a validity time to a bundle.*

<<<_BUNDLE_RESET_PERIOD_>>> – replace with the amount of days that will serve as periodic bundle reset timer (1 = 1 day, 30 = 30 days, etc.). We advise you to match this period with <<<_BUNDLE_VALIDITY_TIME_>>> in order to avoid logic inconsistencies. *This is not mandatory, unless you want your bundle to be reset every entered amount of days.*

<<<_WEBHOOK_LINK_>>> – replace with a webhook link. Webhook to the entered link will be sent when <<<_BUNDLE_TRESHOLD_>>> has been reached. *This is not mandatory and needs to be entered only when you want to send a webhook when X amount of Bundle has been used up.*

<<<_BUNDLE_TRESHOLD_>>> – replace with a number that will serve as a percentage value checker for when webhook needs to be sent (50 = 50%, 100 = 100%). *This is not mandatory and needs to be entered only when you want to send a webhook when X amount of Bundle has been used up.*

<<<_FILTER_BUNDLE_STATUS_>>> – replace with the status of the bundle (ACTIVE, PENDING or EXPIRED)

ACTIVE – currently assigned/used bundle by the SIM card.

PENDING – bundle waiting to become active. This bundle will become ACTIVE, once the current ACTIVE bundle becomes EXPIRED.

EXPIRED – bundle that had expired due to validity time or due to being used up.

<<<_FILTER_BUNDLE_TYPE_>>> - replace with bundle word **Single** or **Periodic**. *Not mandatory, used only when you want to see only selected bundle type.*

<<<_FILTER_BUNDLE_SERVICE_TYPE_>>> – replace with bundle service type (DATA, SMS, or VOICE). *Not mandatory, used only when you want to see only selected bundle service type.*

<<<_FILTER_RESULTS_LIMIT_>>> – replace with the amount of results to be shown (default value = 10, max = 50).

<<<_FILTER_RESULTS_OFFSET_>>> – replace with amount on how many first results should be skipped. This is used when your filtered value has more than 50 results, due to 50 returned results being max. Default value is 0 in order not to skip any results.

<<<_BUNLE_LIMITAION_>>> – replace with a true or false.

true – bundle limitation is enabled.

false – bundle limitation is disabled.

<<<_BUNDLE_ID_>>> – replace with identification number of a bundle. Example: Bundle_0b5d7e05-a426-4cd6-9a9a-7a9516c25215. *Please note that in order to get this identification number you need to run Bundle status API.*

Login procedure

When sending API commands, we need to send a Token as a login confirmation. So first we need to run a command for login in order to obtain a login Token.

API request command:

```
curl 'https://console.monogoto.io/users/login/' -H 'content-type: application/json;charset=UTF-8' -  
-data-binary $'{\"UserName\":\"<<<_YOUR_USER_>>>\",\"Password\":\"<<<_YOUR_PWD_>>>\"}'
```

API request filled with example information:

```
curl 'https://console.monogoto.io/users/login/' -H 'content-type: application/json;charset=UTF-8' -  
-data-binary $'{\"UserName\":\"demo@monogoto.io\",\"Password\":\"Password123\"}'
```

Expected response:

Please note that other information than Token has been redacted.

```
{  
  "token":  
  "eyJhb6lkpXVCJ9.eyJSb2xlljoiVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW  
N3NzhhMGQxYmbSI6Im4zgFkbWlulwiQ3VzdG9tsbCwiVXNlcklkIjoiVklkXzg5Yj5Y2OGEyUtND  
QThhLTEzZjA0MzJhZDE3YyINTAzcZmUtZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNzM3  
Mjl5L2MDY3NTE2Mjl9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng"  
}
```

Add bundle to a Thing

When you want to add a bundle to a Thing you need to use API (POST /bundle/) to do so.

Full command for adding data bundle:

Please note that some information like <<<_BUNDLE_VALIDITY_TIME_>>>, <<<_BUNDLE_RESET_PERIOD_>>>, <<<_WEBHOOK_LINK_>>> and <<<_WEBHOOK_TRESHOLD_>>> are not mandatory, thus they can be removed from API command if not needed.

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{ \"BundleType\": \"<<<_BUNDLE_TYPE_>>>\", \"Things\": [ \"<<<_THING_ICCID_ID_>>>\" ], \"ServiceType\": \"<<<_BUNDLE_SERVICE_TYPE_>>>\", \"Credit\": <<<_BUNDLE_CREDIT_AMOUNT_>>>, \"ValidityPeriodInDays\": <<<_BUNDLE_VALIDITY_TIME_>>>, \"ResetPeriod\": <<<_BUNDLE_RESET_PERIOD_>>>, \"Webhook\": \"<<<_WEBHOOK_LINK_>>>\", \"Threshold\": <<<_BUNDLE_TRESHOLD_>>>}"
```

Use case examples:

- A. We want to add 50MB data bundle for a one time use without a validity time (single SIM card):

API request command:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{ \"BundleType\": \"<<<_BUNDLE_TYPE_>>>\", \"Things\": [ \"<<<_THING_ICCID_ID_>>>\" ], \"ServiceType\": \"<<<_BUNDLE_SERVICE_TYPE_>>>\", \"Credit\": <<<_BUNDLE_CREDIT_AMOUNT_>>>}"
```

API request filled with example information:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbGklkpXVCJ9.eyJSc2xlIjojVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW N3NzhMGQxYmbSI6Im4zGfkbWluliwiQ3VzdG9tsbCwiVXNlcklkIjojVklkXzg5Yj5Y2OGEyUtND QThhLTEzZjA0MzJhZDE3YyINTAZgZmUtZGI51My00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNz M3MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d "{ \"BundleType\": \"Single\", \"Things\": [ \"ThingId_ICCID_8912372646888991\" ], \"ServiceType\": \"DATA\", \"Credit\": 51200}"
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991"]
  },
  "Message": "Bundle have been created successfully"
}
```

- B. We want to add 50MB data bundle for a one time use without validity time (multiple SIM cards):

API request command:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{
  \"BundleType\": \"<<<_BUNDLE_TYPE_>>>\", \"Things\": [ \"<<<_THING_ICCID_ID_>>>\",
  \"<<<_THING_ICCID_ID_>>>\" ], \"ServiceType\": \"<<<_BUNDLE_SERVICE_TYPE_>>>\",
  \"Credit\": <<<_BUNDLE_CREDIT_AMOUNT_>>>}"
```

API request filled with example information:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer
eyJhb6lkpXVCJ9.eyJSb2xlIjoilVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW
N3NzhhMGQxYmbSI6Im4zgfkbWluliwiQ3VzdG9tsbCwiVXNlcklkIjoilVklkXzgz5Yj5Y2OGEyUtND
QThhLTEzZjA0MzJhZDE3YyINTAZgZmUtZGI51My00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNzM3
MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d "{
  \"BundleType\": \"Single\", \"Things\": [ \"ThingId_ICCID_8912372646888991\" ,
  \"ThingId_ICCID_8997211101234564532\" ], \"ServiceType\": \"DATA\", \"Credit\": 51200}"
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991",
    "ThingId_ICCID_8997211101234564532"]
  },
  "Message": "Bundle have been created successfully"
}
```


C. We want to add 50MB data bundle that would be valid for 30 days and then expire:

API request command:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{
  \"BundleType\": \"<<<_BUNDLE_TYPE_>>>\", \"Things\": [ \"<<<_THING_ICCID_ID_>>>\" ],
  \"ServiceType\": \"<<<_BUNDLE_SERVICE_TYPE_>>>\", \"Credit\":
  <<<_BUNDLE_CREDIT_AMOUNT_>>>, \"ValidityPeriodInDays\":
  <<<_BUNDLE_VALIDITY_TIME_>>>}"
```

API request filled with example information:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer
eyJhbG6lpXVCJ9.eyJSb2xlIjoiVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW
N3NzhMGQxYmbSI6Im4zZGZkbWluliwiQ3VzdG99tsbCwiVXNlcklkIjoiVklkXzgzYj5Y2OGEyUtND
QThhLTEzZjA0MzJhZDE3YyINTAzgZmUtZGI51My00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNzM3
MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d "{
  \"BundleType\": \"Single\", \"Things\": [ \"ThingId_ICCID_8912372646888991\" ],
  \"ServiceType\": \"DATA\", \"Credit\": 51200, \"ValidityPeriodInDays\": 30}"
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991"]
  },
  "Message": "Bundle have been created successfully"
}
```

D. We want to add 50MB data bundle that would be valid for 30 days and then after the validity time expires a new bundle of 50MB would be applied:

API request command:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H " Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{
  \"BundleType\": \"<<<_BUNDLE_TYPE_>>>\", \"Things\": [ \"<<<_THING_ICCID_ID_>>>\" ],
  \"ServiceType\": \"<<<_BUNDLE_SERVICE_TYPE_>>>\", \"Credit\":
  <<<_BUNDLE_CREDIT_AMOUNT_>>>, \"ValidityPeriodInDays\":
  <<<_BUNDLE_VALIDITY_TIME_>>>, \"ResetPeriod\": <<<_BUNDLE_RESET_PERIOD_>>>}"
```

API request filled with example information:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbG6lkpXVCJ9.eyJSc2xlIjoiVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW N3NzhhMGQxYmbSI6Im4zgFkbWlulwiQ3VzdG9tsbCwiVXNlcklkIjoiVklkXzg5Yj5Y2OGEyUtND QThhLTEzZjA0MzJhZDE3YylnTzZmUzZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThliiwiaWNzM3 MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d '{"BundleType": "Periodic", "Things": [ "ThingId_ICCID_8912372646888991" ], "ServiceType": "DATA", "Credit": 51200, "ValidityPeriodInDays": 30, "ResetPeriod": 30}'
```

Expected response:

```
{
  "Success": true,
  "Data": {s
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991"]
  },
  "Message": "Bundle have been created successfully"
}
```

- E. We want to add 50MB data bundle for a one time use without a validity time, that would send webhook notification when 80% of the data bundle is used up:

API request command:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d '{"BundleType": "\<<<_BUNDLE_TYPE_>>>", "Things": [ "\<<<_THING_ICCID_ID_>>>" ], "ServiceType": "\<<<_BUNDLE_SERVICE_TYPE_>>>", "Credit": <<<_BUNDLE_CREDIT_AMOUNT_>>>, "Webhook": "\<<<_WEBHOOK_LINK_>>>", "Threshold": <<<_BUNDLE_TRESHOLD_>>>}'
```

API request filled with example information:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbG6lkpXVCJ9.eyJSc2xlIjoiVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW N3NzhhMGQxYmbSI6Im4zgFkbWlulwiQ3VzdG9tsbCwiVXNlcklkIjoiVklkXzg5Yj5Y2OGEyUtND QThhLTEzZjA0MzJhZDE3YylnTzZmUzZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThliiwiaWNzM3 MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d '{"BundleType": "Single", "Things": [ "ThingId_ICCID_8912372646888991" ], "ServiceType": "DATA", "Credit": 51200, "Webhook": "https://webhook.site#!/d9a5bb52-d8c4-4685-bcc6-66e699", "Threshold": 80}'
```

Expected response:

```
{
  "Success": true,
  "Data": {s
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991"]
  },
  "Message": "Bundle have been created successfully"
}
```

Add bundle to Thing Group

You also have the ability to add data bundle to a whole thing group via API (POST /bundle/). Adding bundle to a Thing Group is very similar to adding a bundle to a single/multiple Things (SIM cards). The only difference in API command is that instead of ThingID you use ThingGroupID. Depending on the use case it may be easier to assign a bundle to whole Thing Group than to list each individual SIM in bundle API.

Please note that everything is exactly the same as like when adding a bundle to a Thing, but instead of <<<_THING_ICCID_ID_>>> you use <<<_THING_GROUP_ID_>>>

Use case example:

We want to add 50MB data bundle for a one time use without a validity time

API request command:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{
  \"BundleType\": \"<<<_BUNDLE_TYPE_>>>\", \"Things\": [ \"<<<_THING_GROUP_ID_>>>\" ],
  \"ServiceType\": \"<<<_BUNDLE_SERVICE_TYPE_>>>\", \"Credit\":
  <<<_BUNDLE_CREDIT_AMOUNT_>>>}"
```

API request filled with example information:

```
curl -X POST "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer
eyJhb6lkpXVCJ9.eyJSb2xlIjoiVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW
N3NzhhMGQxYmbSI6Im4zgfkbWluliwiQ3VzdG9tsbCwiVXNlcklkIjoiVklkXzg5Yj5Y2OGEyUtND
QThhLTEzZjA0MzJhZDE3YyINTAzgZmUtZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThlIiwiaWNzMS
MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d "{
  \"BundleType\": \"Single\", \"Things\": [ \"ThingsGroupID_b6686b91-e624-4c87-8196-
dfd02e32b417\" ], \"ServiceType\": \"DATA\", \"Credit\": 51200}"
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": ["ThingId_ICCID_891237264699992", "ThingId_ICCID_891237264677993"]
  },
  "Message": "Bundle have been created successfully"
}
```

Get Thing bundle status

In case you want to get bundle status you can run API (GET /thing/{ThingId}/bundle).

Full command for checking bundle status:

Please note that fields like <<<_FILTER_BUNDLE_STATUS_>>>, <<<_FILTER_BUNDLE_TYPE_>>> and <<<_FILTER_BUNDLE_TYPE_>>> are not mandatory, thus they can be removed from API command if not needed.

```
curl -X GET
"https://console.monogoto.io/thing/<<<_THING_ICCID_ID_>>>/bundle?filterBy%5Bstatus%5D=<<<_FI
LTER_BUNDLE_STATUS_>>>&filterBy%5BbundleType%5D=<<<_FILTER_BUNDLE_TYPE_>>>&filt
erBy%5BserviceType%5D=<<<_FILTER_BUNDLE_SERVICE_TYPE_>>>&limit=<<<_FILTER_RESUL
TS_LIMIT_>>>&offset=<<<_FILTER_RESULTS_OFFSET_>>>" -H "accept: application/json" -H
"Authorization: Bearer <<<_TOKEN_HERE_>>>"
```

Use case example:

We want to see currently ACTIVE bundles for a SIM card (DATA, SMS AND VOICE) without any additional filtering (results limit set to **50** and **0** offset)

API request command:

```
curl -X GET
"https://console.monogoto.io/thing/<<<_THING_ICCID_ID_>>>/bundle?filterBy%5Bstatus%5D=
<<<_FILTER_BUNDLE_STATUS_>>>&limit=<<<_FILTER_RESULT_LIMIT_>>>&offset=<<<_
FILTER_RESULTS_OFFSET_>>>" -H "accept: application/json" -H "Authorization: Bearer
<<<_TOKEN_HERE_>>>"
```

API request filled with example information:

```
curl -X GET
"https://console.monogoto.io/thing/ThingId_ICCID_8912372646888991/bundle?filterBy%5BStat
us%5D=ACTIVE&limit=50&offset=0" -H "accept: application/json" -H "Authorization: Bearer
eyJhbG6IkpXVCJ9.eyJSc2xlIjojVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW
N3NzhhMGQxYmbSI6Im4zgFkbWlulwiQ3VzdG9tsbCwiVXNlcklkIjojVklkXzg5Yj5Y2OGEyUtND
QThhLTEzZjA0MzJhZDE3YyINTAzcZmUtZGI51My00ZjRiLTktN2U5Yjc0ZWU1ZThliiwiWNz3M3
MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xairMu0GkW6viunt3XxbNng"
```

Expected response:

```
{
  "Success": true,
  "jpu-metrics-sort-count": 1,
  "Message": "Operation succeeded",
  "Data": [{
    "Type": "Bundle",
    "ThingId": "ThingId_ICCID_8912372646888991",
    "Credit": 51200,
    "Threshold": null,
    "ExpirationDate": null,
    "Webhook": null,
    "WebhookReportedForExpiration": false,
    "WebhookReportedForThreshold": false,
    "BundleType": "Single",
    "ServiceType": "DATA",
    "ValidityPeriodInDays": null,
    "ResetPeriod": null,
    "Status": "ACTIVE",
    "BundleId": "Bundle_91d51fc4-922e-40d4-b434-9a50b74d7132",
    "Consumption": null,
    "DateCreated": 1606902544302,
    "RemainingUnits": "51200.00"
  ]
}
```

Disable/Enable bundle limitation

In case you want to disable the bundle limitation for a SIM card you can use this API (PUT /thing/limitedbybundle/) to do so. Please note that when data bundle is disabled the SIM card can use services (DATA, SMS and VOICE) without limitation.

Please note that when you assign a bundle to a SIM card/Thing Group, bundle limitation is automatically applied to the SIM cards.

If you disable the bundle limitation, you can always re-enable the limitation by bundle if needed.

Full command to disable/enable bundle limitation for a SIM card:

Please note that <<< **BUNDLE_LIMITATION** >>> can be set to **false** or **true**, thus disabling or enabling the bundle limitation for a SIM card.

```
curl -X PUT "https://console.monogoto.io/thing/limitedbybundle/" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<< TOKEN_HERE >>>" -d {"Things": [{"<<< THING_ICCID_ID >>>"}, {"LimitedByBundle": <<< BUNLE_LIMITAION >>>}]}
```

Use case examples:

A. We want to disable bundle limitation

API request filled with example information:

```
curl -X PUT "https://console.monogoto.io/thing/limitedbybundle/" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbG9keXVhbnQ9.eyJzY2x1Ijo1VXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW N3NzhhMGQxYmbSI6Im4zZGFKbWluliwiQ3VzdG9tsbCwiVXNlcklkIjo1VkIkXzZ5Yj5Y2OGEyUtND QThhLTEzZjA0MzJhZDE3YyINTAzgZmUtZGI51My00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNzMS MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d {"Things": [{"ThingId_ICCID_8912372646888991"}, {"LimitedByBundle": false}]}
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991"]
  },
  "Message": "Things were updated successfully"
}
```

B. We want to enable bundle limitation

API request filled with example information:

```
curl -X PUT "https://console.monogoto.io/thing/limitedbybundle/" -H "accept: application/json" -H
"Content-Type: application/json" -H "Authorization: Bearer
eyJhb6lkpXVCJ9.eyJSc2xlIjoiVXN4IclByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW
N3NzhhMGQxYmbSI6Im4zgFkbWluliwiQ3VzdG9tsbCwiVXNlcklkljoiVklkXzg5Yj5Y2OGEyUtND
QThhLTEzZjA0MzJhZDE3YyINTAzcZmUtZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNzM3
MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d '{"Things": [
{"ThingId_ICCID_8912372646888991"}, {"LimitedByBundle": true}]}'
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": ["ThingId_ICCID_8912372646888991"]
  },
  "Message": "Things were updated successfully"
}
```


Delete bundle

In case if we need to delete a bundle, we can use this API (DELETE /bundle) to do so. Deleting of currently assigned bundle is useful when we assign incorrect bundle or want to change to another bundle.

Please note that in order to get <<<_BUNDLE_ID_>>> you need to run Bundle status API.

Also, please be informed that in case you delete active bundle and there are no other bundles that can become active, then the system will think that your SIM card has only expired bundles, thus preventing the use of a function that has no bundle. In case you want to set a SIM card back to unlimited functionality use after the bundle was deleted, please use API to disable bundle limitation.

Full command to delete a bundle:

```
curl -X DELETE "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{\"Bundles\": [\"<<<_BUNDLE_ID_>>>\"]}"
```

Use case example:

A. We want to delete a single bundle

API request filled with example information:

```
curl -X DELETE "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhb6lkpXVCJ9.eyJSc2xlIjoiVXN4IklByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYW N3NzhhMGQxYmbSI6Im4zgFkbWluliwiQ3VzdG9tsbCwiVXNlcklkljoiVklkXzg5Yj5Y2OGEyUtND QThhLTEzZjA0MzJhZDE3YyINTAzgZmUtZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThliwiaWNzM3 MjI5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d "{\"Bundles\": [\" Bundle_888e7c61-f9c7-433c-a0eb-dae70580a017\"]}"
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": [
      "Bundle_888e7c61-f9c7-433c-a0eb-dae70580a017"
    ]
  },
  "Message": "Bundles were deleted successfully"
}
```

B. We want to delete multiple bundles

API request command:

```
curl -X DELETE "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer <<<_TOKEN_HERE_>>>" -d "{\"Bundles\": [\"<<<_BUNDLE_ID_>>>\", \"<<<_BUNDLE_ID_>>>\"]}"
```

API request filled with example information:

```
curl -X DELETE "https://console.monogoto.io/bundle" -H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbGklkpXVCJ9.eyJSc2xlIjoiVXN4IklByb2ZpbGVJZF9kZGM2MThhNC0wNTI1LTQ2MmUtYWV3N3hhMGQxYmbSI6Im4zZG9tsbCwiVXNlcklkljoiVklkXzg5Yj5Y2OGEyUtNDQThhLTEzZjA0MzJhZDE3YyINTAzcZmUtZGI5MTMy00ZjRiLTktN2U5Yjc0ZWU1ZThliiwiaWNzM3MjIj5L2MDY3NTE2MjI9.99aSLzP7kTgK6TZGW-xalrMu0GkW6viunt3XxbNng" -d "{\"Bundles\": [\" Bundle_bddf5956-c46b-417c-9c8c-2436d5dc62ff\", \" Bundle_fdbf297d-dacf-4d33-b51c-c99cdb6ba0d4\"]}"
```

Expected response:

```
{
  "Success": true,
  "Data": {
    "Failed": [],
    "Success": [
      "Bundle_bddf5956-c46b-417c-9c8c-2436d5dc62ff",
      "Bundle_fdbf297d-dacf-4d33-b51c-c99cdb6ba0d4"
    ]
  },
  "Message": "Bundles were deleted successfully"
}
```