Get a customer's usage record for Azure

Note The CREST API will be deprecated in a future Partner Center release. We recommend that you update your apps to use the Partner Center REST APIs or SDK instead. For more information, see CREST support and deprecation.

Gets the aggregated usage of a customer's Azure entitlements, so that you can check their consumption in between invoices, or in order to send your own invoices in a scalable way.
This REST API is paged. If the response payload is larger than a single page, you must follow the next link to get the next page of usage records.

By default, this example only gets the Usage Record for a single entitlement. To get a customer's complete usage, you can Get all of a customer's entitlements and then call this for each entitlement.

Prerequisites

To use this API, you will need:

- A current **SA_Token**. Tokens generally expire after an hour, so you may need to create a new one. See CREST authentication for instructions about how to get an Azure AD security token, and then use it to create the **SA_Token**.
- A **cid-for-reseller**. To generate this, see Get a reseller ID.

Request

Request syntax

Method	Request URI
GET	https://api.cp.microsoft.com/{cid-for-reseller}/usage-records?entitlement_id={entitlement_id}& reported_start_time={reported_start_time}&reported_end_time={reported_end_time}

URI parameters

Name	Type	Required	Description
entitlement_id	**guid**	Yes	Specifies the entitlement for which the caller is requesting the usage. A CSP partner can have multiple subscriptions created across multiple customers, and this **entitlement_id** value specifies which entitlement to provide the usage for.
reported_start_time	**DateTimeOffset**	Yes	Specified the start time range of when the usage data was metered within the billing system. To get all usage records reported for an entitlement, you must increment the **reported_start_time** and **reported_end_time** with a fixed time span, otherwise you risk losing data due to latent usage.
reported_end_time	**DateTimeOffset**	Yes	Specifies the end time range of when the usage data was metered within the billing system.
granularity	**string**	No	Defines the granularity of usage aggregations. Available options are: • daily (default) • hourly
show_details	**bool**	No	This is a boolean value that specifies whether to get the instance-level usage details like **resourceURI**, resource tags, and location. The default is true. When set to true, the aggregates are broken down into the instance metadata. For example, if you are running three web sites (web1, web2, web3), by default you get three line items for website consumption. If you specify **showDetails = false**, then you get a single line item for website consumption for the specified time period. Setting this flag to false collapses all the data for the same **subscriptionId**, **MeteredResourceId**, **UsageStartDateTime**, and **UsageEndDateTime** into a single data aggregate.
count	**int**	No	Specifies the number of usage aggregations returned in a single CREST API call. The default is 1000. The max is 1000.

Request headers

- The **Authorization** header is the **SA_Token**.
- See Headers for more information.

Request body

None

Request example

```
GET https://api.cp.microsoft.com/963e5798-c88e-4d44-9d90-51a3498596e5/usage-
records?entitlement_id=fd94599f-3ed5-4f94-9616-458b1acd5fa2&
reported_start_time=2015-06-14 00:00:00Z&reported_end_time=2015-06-15
00:00:00Z&show_details=True&granularity=daily
Accept : application/json
api-version: 2015-03-31
Authorization: bearer <SA_Token>
x-ms-tracking-id: de840e18-8bc1-4aa2-a0e3-9a01d404262c
x-ms-correlation-id: 92c818a7-3b0a-4a21-ad0f-34707a4c87f5
```

Response

Header	Description	Value type
Retry-After	Indicates whether the call can be retried and when to retry	**string**

If successful, this method returns a Usage Record resource in the response body.

Response success and error codes

Each response comes with an HTTP status code that indicates success or failure and additional debugging information. Use a network trace tool to read this code, error type, and additional parameters. For the full list, see CREST error codes.

Response example

```
HTTP/1.1 200 OK
api-version : 2015-03-31
Cache-Control : no-cache
Date : Sat, 21 Mar 2015 04:13:33 GMT
Pragma : no-cache
Server : Microsoft-IIS/7.5
Strict-Transport-Security : max-age=15724800;
includeSubDomains
X-AspNet-Version : 4.0.30319
x-ms-correlation-id : e2f93c39-ca17-4ef8-b450-34e445ff6f1e
x-ms-session-id : 9581d204-a9cd-495c-a535-ffcac742577c
X-Server : BLUOS3OMSORDW02
{
        "items": [{
                "entitlement_id": "fd94599f-3ed5-4f94-9616-458b1acd5fa2",
                "usage_start_time": "2015-06-13T00:00:00+00:00",
                "usage_end_time": "2015-06-14T00:00:00+00:00",
                "object_type": "UsageRecord",
                "meter_name": "Standard S0 Database Days",
                "meter_category": "Data Services",
                "meter_sub_category": "SQL Database",
                "unit": "Days",
                "meter_id": "a149966f-73b4-4e1d-b335-d2a572b1e6bd",
                "info_fields": {
                        "MeteredRegion": "West US",
                        "MeteredService": "Database",
                        "MeteredServiceType": "S0",
                        "Project": "Accounts"
                },
                "quantity": 10.000000
        },
        {
                "entitlement_id": "fd94599f-3ed5-4f94-9616-458b1acd5fa2",
                "usage_start_time": "2015-06-13T00:00:00+00:00",
                "usage_end_time": "2015-06-14T00:00:00+00:00",
                "object_type": "UsageRecord",
                "meter_name": "Standard S0 Database Days",
                "meter_category": "Data Services",
                "meter_sub_category": "SQL Database",
                "unit": "Days",
                "meter_id": "a149966f-73b4-4e1d-b335-d2a572b1e6bd",
                "info_fields": {
                        "MeteredRegion": "West US",
                        "MeteredService": "Database",
                        "MeteredServiceType": "S0",
                        "Project": "Purchases"
```

```
                        },
                        "quantity": 20.000000
                }],
                "object_type": "UsageRecords",
                "contract_version": "1.0",
                "links": {
                        "self": {
                                "href": "963e5798-c88e-4d44-9d90-51a3498596e5/usage-
        records?entitlement_id=fd94599f-3ed5-4f94-9616-458b1acd5fa2&
        reported_start_time=2015-06-14+00%3a00%3a00Z&
        reported_end_time=2015-06-15+00%3a00%3a00Z&count=1000&show_details=True&
        granularity=Daily",
                                "method": "GET"
                        }
                }
        }
```

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