CDP Public Cloud Management Console

# **Credit Consumption and Usage Insights**

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### **Credit consumption and usage insights**

CDP includes a user interface that allows you to monitor your credit consumption and download your consumption records.

CDP Public Cloud displays consumption data in terms of credits. A credit is a unit of consumption in CDP Public Cloud.

There is a two-day time delta for the consumption data showing up in the Consumption page. You should not expect to see data for consumption, which occurred within the past two days.

Required roles: BillingAdmin

Steps

1. Navigate to the CDP web interface and select Management Console.

2. Select Consumption from the navigation pane.

On the **Consumption** page, you can view the **Credit Summary**, **Credits Burndown** and **Usage Insights**. By default, the consumption summaries are shown for all environments. You can further customize the visualization of consumption based on time, specific environments, and tags.

#### **Credit Summary**

Displays credit information based on your credit subscription.

#### **Credits and Usage Insights**

• The Credits Burndown chart shows the credit used over a period of time.

Credits I	Burndown				
Burn for	the time period selected: 104,563.54				
18K —			0000000000	00000000	
14K —					
9K —					
4.5K —					
0 —	Aug-18 Aug-23 Aug-28 Sep-2 Sep-7 Sep-12 Sep-17 Sep-22 Sep-27 Oct-2 Oct-7 Oct-12 Oct-17 Oct-22	00000 Oct-27	Nov-1 Nov-6	Nov-11 Nov-	16

• The Usage Insights bar chart shows the total consumption of the services over a period of time.

Tags: Add Tag 🔹		
Selected Environment: All Environments	Consumption for the time period selected: 815,820.69	
400K		
300К —		
200К —		
100К —		
0	Sep-12 Sep-17 Sep-22 Sep-27 Oct-2 Oct-7 Oct-12 Oct-17 Oct-22	Oct-27 Nov-1 Nov-6 Nov-11 Nov-16
Select services to display/hide: CDP Operational Database	O Data Engineering     O DataFlow     O DataFlow Functions*     O Data Hub	Data Warehouse     Machine Learning

• The **Clusters** table shows the number of the number of credits used by the clusters, number of hours the cluster was running, and how many clusters belong to the specific services.

Clusters								
➡ Filter By Services         Q Search Cluster Name	]							
All Services	Service	Cluster Name	Credits Consumed	Usage Cl	luster Template	Hrs	Environment Name	Cluster CRN
B 816K Credits () 2.5M Hrs A 8.1K Clusters	DataFlow	260	4.5	15 CCU		0		crn:cdp:df:us-w
CDP Operational Database     I7K Credits ③ 40K Hrs Å 287 Clusters	• DataFlow	а	5.4	18 CCU		0		crn:cdp:df:us-w
<ul> <li>Data Engineering</li> </ul>	DataFlow	а	0.41	1.4 CCU		0		crn:cdp:df:us-w
30K Credits ⊙ 73K Hrs A 904 Clusters	DataFlow	а	0.83	2.8 CCU		0		crn:cdp:df:us-w
DataFlow     4.2K Credits () 14K CCU A 3.5K Clusters	<ul> <li>DataFlow</li> </ul>	а	0.08	0.28 CCU		0		crn:cdp:df:us-w
DateElew Eventione	DataFlow	а	3.77	13 CCU		0		crn:cdp:df:us-w
0 Credits     0 Invocations Å 0 Clusters	<ul> <li>DataFlow</li> </ul>	a1	1.65	5.5 CCU		0		crn:cdp:df:us-w
😑 Data Hub	DataFlow	a2	1.65	5.5 CCU		0		crn:cdp:df:us-w
738K Credits ③ 2.3M Hrs A 309 Clusters	DataFlow	a3	1.64	5.5 CCU		0		crn:cdp:df:us-w
Data Warehouse     I2K Credits ③ 17K Hrs ▲ 2.2K Clusters	<ul> <li>DataFlow</li> </ul>	a4	1.59	5.3 CCU		0		crn:cdp:df:us-w
● Machine Learning ➡ 14K Credits ③ 16K Hrs ▲ 880 Clusters					< 1	2 3	4 5 868	> 10 / page v

- **3.** Select a date range to display the consumption for a time period. The selected time period can be one month, three months, six months and one year in a daily or monthly view.
- 4. Select tags to further filter the clusters in the environments for Usage Insights. The filter uses the user-level tags of the clusters. When selecting multiple tags, the clusters are displayed using OR logic. For example, if you select

department=engineering and department=finance, the clusters will be shown on the Usage Insights that have a department tag value of engineering or finance.

5. Select all or specific environments.

You can view the Usage Insights of the clusters for all existing environments or select a specific one.

**a.** Hover over a bar to display consumption information by services.



Select or hide services that are displayed on the Usage Insights chart.

Displaying the consumption information of the specific services associated with the environments can be enabled and disabled.

**b.** Click on a bar to display consumption information by clusters.

Clusters								
➡ Filter By Services     Q Search Cluster Name								
All Services	Service	Cluster Name	Credits Consumed	Usage Clu	uster Template	Hrs	Environment Name	Cluster CRN
BIOK Credits (5 2.5M Hrs A 8.1K Clusters	DataFlow	260	4.5	15 CCU		0		crn:cdp:df:us-w
CDP Operational Database     I7K Credits ⊙ 40K Hrs Å 287 Clusters	DataFlow	а	5.4	18 CCU		0		crn:cdp:df:us-w
Data Engineering	DataFlow	а	0.41	1.4 CCU		0		crn:cdp:df:us-w
30K Credits () 73K Hrs A 904 Clusters	DataFlow	а	0.83	2.8 CCU		0		crn:cdp:df:us-w
DataFlow     4.2K Credits ③ 14K CCU	DataFlow	а	0.08	0.28 CCU		0		crn:cdp:df:us-w
Data Flow Functions	DataFlow	а	3.77	13 CCU		0		crn:cdp:df:us-w
O Credits 0 Invocations A 0 Clusters	DataFlow	a1	1.65	5.5 CCU		0		crn:cdp:df:us-w
Data Hub	DataFlow	a2	1.65	5.5 CCU		0		crn:cdp:df:us-w
738K Credits () 2.3M Hrs A 309 Clusters	DataFlow	a3	1.64	5.5 CCU		0		crn:cdp:df:us-w
● Data Warehouse 🖘 12K Credits ③ 17K Hrs 🛛 A 2.2K Clusters	DataFlow	a4	1.59	5.3 CCU		0		crn:cdp:df:us-w
● Machine Learning I 14K Credits ③ 16K Hrs Å 880 Clusters					< 1	2 3	4 5 *** 868	> 10 / page ∨

You can view credit and usage information of clusters that belong to all services or a specific service.

Clusters can also be searched by providing their name in the search field.

### Download consumption summary from CDP web interface

Use the Download Usage Details option to download the consumption data:

ansamption				
			Clast Update: 4 hos	ars ago Ollata Available Until: Tue May 16 20
redits and Usage Insights		Selected time period. 2023-	04-18 - 2023-05-18 - [	Daily • & Download Usage Details
sage Insights				
Selected Environment: All Environments •	Consumption for the time per	riod selected: 71,776.94		
6K -				
4.5x			_	
	iii	hili.,	, i İİİ	
Api-17 Api-19 Api-21 Api-23 Select services to display/hide CDP Operational Da	Apr-25 Apr-27 Apr-	29 May 1 May 3 May 5 © DataFlow Functions*	May-7 May-9 May-1 Data Hub Data Warehouse	1 May-13 May-15 May-1
DataFlow Functions are not associated with environment	a			
SERVICES	CLUSTERS PER SERVICES			
CDP Operational Database	Cluster Name 0	Credits Consumed 0	Runtime in Instance Ho	wrs :
00 9,619 credits ③ 22,663 hours Å 50 clusters	· bhegsi-cod	20.48	48	
Data Engineering	• bhegi-cod	67.09	153	
00 1,999.86 credits () 6,258 hours A 47 clusters	bhegviconticod	6.83	36	
DataFlow     00 1,298.73 credits         ① 4,329 invocations         Å 181 clusters	bhegylupgr	51.84	126	
DataFlow Functions	thegilogr	\$76	14	
10 0 credits O 0 invocations Å 0 clusters	bhegriupgr2	40.32	98	
O Data Hub	bhegriupgr3	11.52	28	
60 31,947.85 credits ③ 95,426 hours A 405 clusters				

### Download consumption summary from CDP CLI

Use the cdp consumption list-compute-usage-records command to download the consumption data. For example:

```
cdp consumption list-compute-usage-records \
--from-timestamp '2023-02-05T00:00:00Z' \
--to-timestamp '2023-02-07T00:00:00Z'
```

You can optionally set page size and page token.

To set page size (the number of records you want on one page), add the --page-size <value> option to the above command..

To set page token (which signifies which page you would like in the response), add the --starting-token <value> option to the above command. You will get the starting token for the next page in the response of the previous page.