

USER GUIDE

Metering

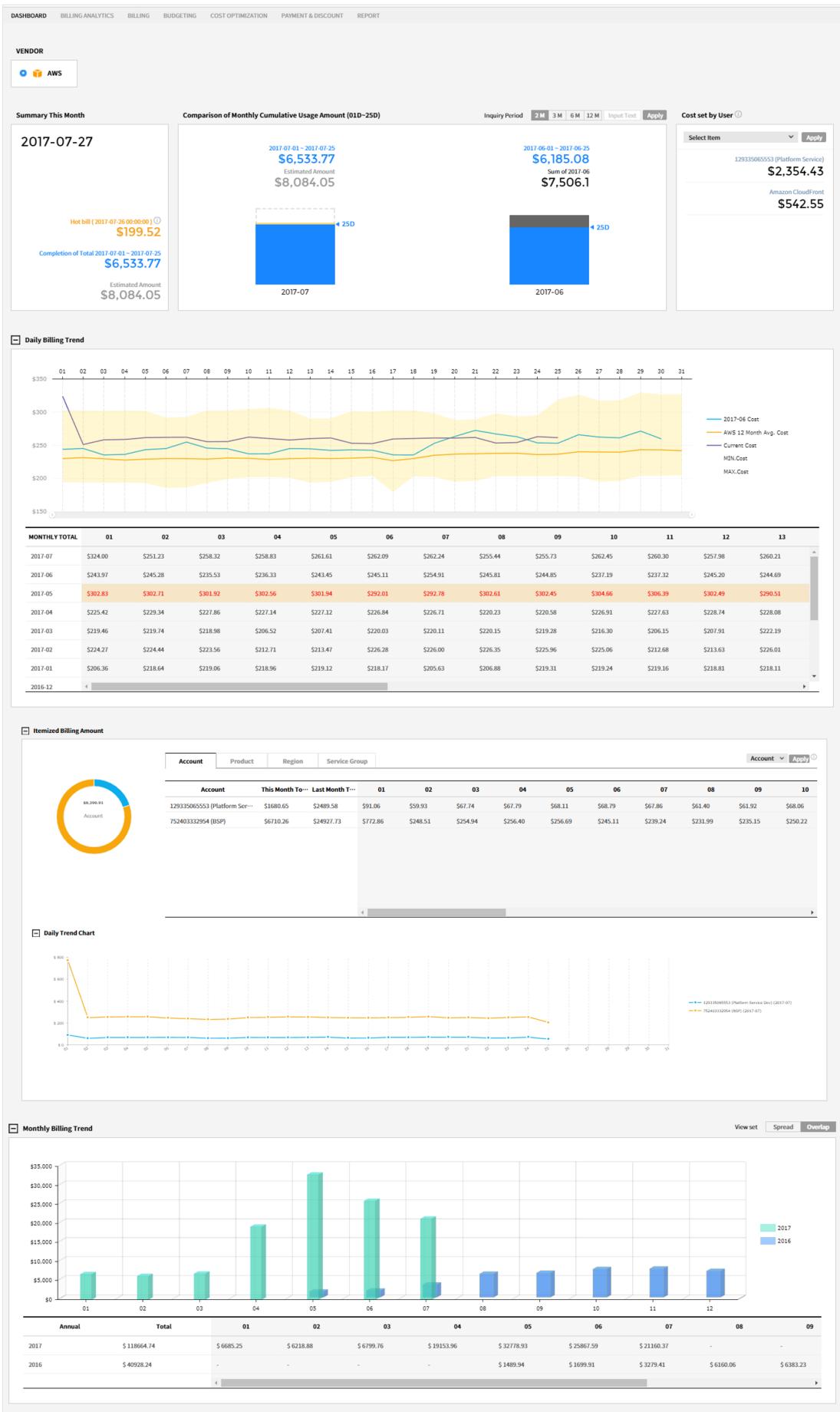
You can check cost incurred in operating Multi Cloud Service.

The Metering service provides 7 menus.

Dashboard

You can check status of cost currently incurred and monthly/daily cost per Cloud Service in a single pane.

Metering > Dashboard

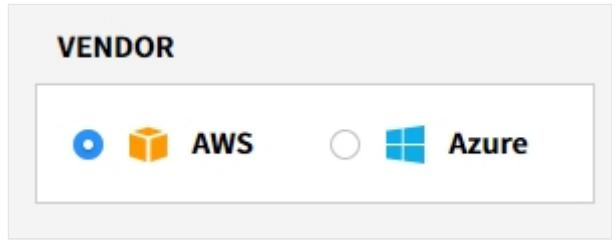


1. Cloud Vendor

Cloud Vendors currently in use and account information of each Vendor is shown.

As you select a Cloud Vendor and account, cost of selected Vendor and account is shown on the

Dashboard.



2. Monthly Summary

You can check summary of cost for this month.



1) Hot bill :

Shows cost which has been incurred in less than 24 hours so has not yet been fully settled.

2) Complete Settlement :

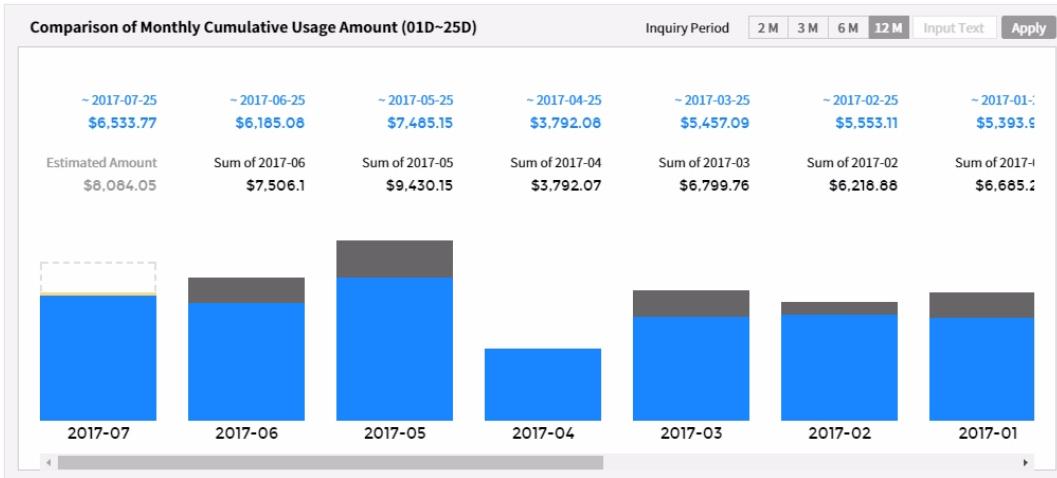
Shows total cost which has been fully settled for the period, from the first day of this month to now.

3) Estimated cost :

Shows estimated cost for this month by analyzing usage pattern.

3. Comparison of Accumulated Expenditure per Month

By setting search period, you can compare and analyze cost incurred for 12 months at a maximum. You can select one of 2/4/6/12 months for search period, or you can directly enter a date for it.



Following are indicators of the graph.

1) Blue :

Indicates cost for the respective month, whose unit period is from the first day to the current date.

2) Yellow :

Indicates Hot bill (cost which has been incurred in less than 24 hours so has not yet been fully settled).

3) Grey :

Indicates total cost for the last month.

4) Dash-line :

Indicates estimated cost for this month.

4. Customized Cost

You can check cost for the item, by selecting the item you want to check immediately.

If you click the [Cost Standard] button, available items are shown in the menu.

Cost set by User ⓘ

Select Item ▾

129335065553 (Platform Service)
\$2,354.43

Amazon CloudFront
\$542.55

Cost set by User ⓘ

Select Item ▾

Account ▾

- 129335065553 (Platform Service) **4.43**
- 216093335544
- 921281748045

Product ▾

- Amazon CloudFront
- Amazon Elastic Compute Cloud
- Amazon Elastic File System
- Amazon Elastic MapReduce

You can select items of categories listed below to check cost in detail.

1) Account

2) Product

3) Region

4) Data Transfer

5) Service Group

5. Daily Cost Trend

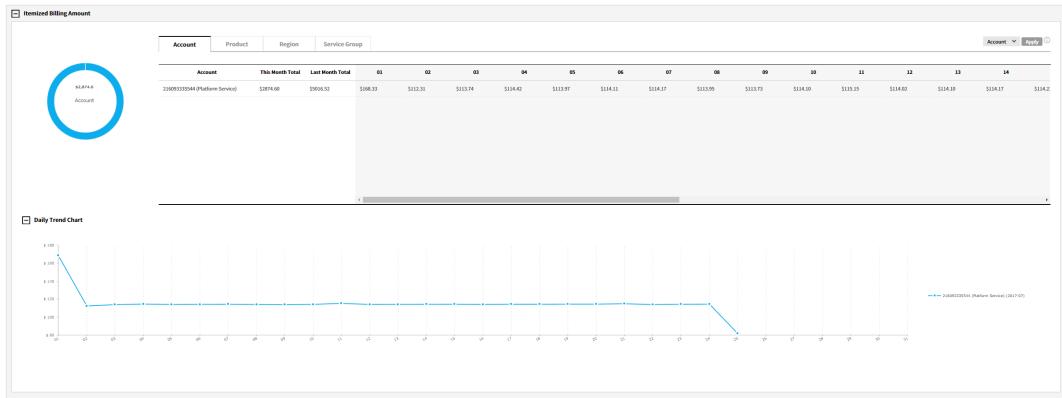
Daily Cost Trend provides you the trend chart of daily cost for the selected period, as well as its detailed data.

With this, you can check daily usage pattern and the time when unexpected cost has been incurred.



6. Cost per Item

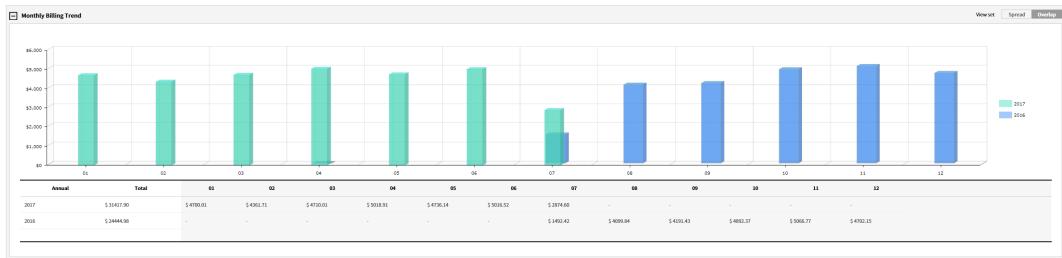
You can check cost per Account, Product, Region and Service Group. Also, you can check their daily trend chart.



7. Monthly Cost Trend

You can check trend of monthly cost for 3 years at a maximum.

You can also check trend of monthly cost from macro perspective.



Billing Analytics

Billing Analytics provides Intelligent Search feature, through which you can find cost more easily and quickly by setting the resource actually being used as a search condition.

Metering > Billing Analytics

DASHBOARD BILLING ANALYTICS BILLING BUDGETING COST OPTIMIZATION PAYMENT & DISCOUNT REPORT

BILLING ANALYTICS

AWS

Duration (yyyy-mm) 2017-07 ~ 2017-07 **Apply**

Total Bill Amount

Account 123139050551 (Platform Service) 21000333544

Product Amazon Elastic Compute Cloud Amazon Simple Email Service Amazon Simple Notification Service Amazon Simple Queue Service Amazon Simple Storage Service AmazonCloudWatch AWS CloudTrail AWS Key Management Service Amazon DynamoDB Amazon ElastiCache Amazon CloudFront Amazon Kinesis Amazon IOT Service Amazon Kinesis Firehose

Region Asia Pacific (Seoul) US West (Oregon)

OS Linux/UNIX Reds Monitored Windows Managed

GLOBAL No

Service Group Undefined Group juice BESPNAM BESPNMAM BESPNMAR test122

Tag

Data Transfer

S3 Bucket soul-billing-detail soul-dev-admin soul-dev-cloudfront soul-dev-its soul-dev-lightbraker soul-dev-mndashboard soul-dev-pub soul-dev-ses-poc

Auto Scaling

DASHBOARD BILLING ANALYTICS BILLING BUDGETING COST OPTIMIZATION PAYMENT & DISCOUNT REPORT

BILLING ANALYTICS

Amount by Itemize

TOTAL Account Product Region Service Group

Monthly Total Amount 2017-07

Total Amount \$6733.29

Daily Daily Amount

Legend: 70% (2017-07)

TYPE DATE TOTAL Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14

TYPE	DATE	TOTAL	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14
TOTAL	2017-07	\$6733.29	\$324.00	\$351.23	\$56.32	\$258.83	\$361.63	\$582.09	\$362.24	\$155.44	\$255.73	\$621.45	\$360.30	\$577.98	\$361.21	\$361.16

Detail Data

1 - 20 of 20,000 Show 200 line per page

#	START DATE	END DATE	ACCOUNT	SERVICE GROUP	CLOUD PRODUCT	REGION	USETYPE	DESCRIPTION	USAGE	TOTAL COST
1	2017-07-01	2017-07-02	123139050551 (Platform Service)	BESPNMAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-BillingOut12 Large	\$0.12B per On Demand Linux G Large Instance Hour	24.00	\$3.00
2	2017-07-01	2017-07-02	123139050551 (Platform Service)	BESPNMAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-In-Bytes	\$0.00B per GB - data transfer in per month	0.02	\$0.00
3	2017-07-01	2017-07-02	123139050551 (Platform Service)	BESPNMAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-Out-Bytes	\$0.12B per GB - first 10TB/month data transfer out by...	0.09	\$0.00
4	2017-07-01	2017-07-02	123139050551 (Platform Service)	BESPNMAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-Regional-Bytes	\$0.01 per GB - regional data transfer - incl between EC...	0.02	\$0.00
5	2017-07-01	2017-07-02	123139050551 (Platform Service)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-BillingOut12 Large	\$0.12B per On Demand Linux G Large Instance Hour	24.00	\$3.00
6	2017-07-01	2017-07-02	123139050551 (Platform Service)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-In-Bytes	\$0.00B per GB - data transfer in per month	0.02	\$0.00
7	2017-07-01	2017-07-02	123139050551 (Platform Service)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-Out-Bytes	\$0.12B per GB - first 10TB/month data transfer out by...	0.09	\$0.00
8	2017-07-01	2017-07-02	123139050551 (Platform Service)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-Regional-Bytes	\$0.01 per GB - regional data transfer - incl between EC...	1.00	\$0.00
9	2017-07-01	2017-07-02	123139050551 (Platform Service)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-BillingOut12 Small	\$0.002 per On Demand Linux C small Instance Hour	1.00	\$0.02
10	2017-07-01	2017-07-01	123139050551 (Platform Service)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-CloudFront-In-Bytes	\$0.00 per GB data transfer in to Asia Pacific (Seoul) from ...	0.00	\$0.00
11	2017-07-01	2017-07-01	123139050551 (Platform Service)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-CloudFront-Out-Bytes	\$0.00 per GB data transfer out of Asia Pacific (Seoul) to C...	0.00	\$0.00
12	2017-07-01	2017-07-02	123139050551 (Platform Service)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-In-Bytes	\$0.00B per GB - data transfer in per month	0.01	\$0.00
13	2017-07-01	2017-07-02	123139050551 (Platform Service)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APM2-DataTransfer-Out-Bytes	\$0.12B per GB - first 10TB/month data transfer out by...	0.03	\$0.00

C= 2017-07-26 23:20:47 (UTC) Export

1. Cost Search

By selecting a search condition, you can check cost incurred only on the selected item.

1) Select a Vendor and set a period you want to search.

As you select a Vendor and search period, Account, Product, Region and Service Group used in the period will be shown as search conditions.

The screenshot shows the 'BILLING ANALYTICS' tab selected in the top navigation bar. On the left, there are two radio button groups: 'AWS' (selected) and 'Azure'. Below them is a 'Duration (yyyy-mm)' input field with the value '2017-07' and a dropdown menu showing '2017-07'. To the right of these are several dropdown menus and checkboxes:

- 1. Select Vendor**: Options include Asia Pacific (Seoul), US West (Northern California), Asia Pacific (Mumbai), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), EU (London), EU Central (Frankfurt), GLOBAL, South America (Sao Paulo), US East (Ohio), US West (Oregon).
- 2. Select Period**: Options include Asia Pacific (Seoul), US West (Northern California), Asia Pacific (Mumbai), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), EU (London), EU Central (Frankfurt), GLOBAL, South America (Sao Paulo), US East (Ohio), US West (Oregon).
- OS**: Options include Linux/UNIX (selected), MySQL.
- Auto Scaling**: Options include No.
- Tag**: Options include None.

At the bottom left are checkboxes for 'Total Bill Amount', 'Account', 'Product', and 'Region'. At the bottom right is an 'Apply' button.

2) Select a search condition.

As you select a condition, only the items related to the condition are indicated as selectable.

This screenshot shows the same interface as above, but with several items highlighted in blue to indicate they are selected or selectable:

- AWS** (radio button)
- Duration (yyyy-mm)** input field (blue background)
- OS** checkbox (checked)
- Linux/UNIX** (selected option in OS dropdown)
- Product** checkbox (checked)
- Amazon Elastic Compute Cloud** (selected option in Product dropdown)
- Region** checkbox (checked)
- US East (Northern Virginia)** (selected option in Region dropdown)

A red arrow points to the 'Apply' button at the bottom right, indicating it should be clicked after selecting conditions.

3) Click the [Apply] button.

The screenshot shows the 'BILLING ANALYTICS' section of a dashboard. The top navigation bar includes links for DASHBOARD, BILLING ANALYTICS, BILLING, BUDGETING, COST OPTIMIZATION, PAYMENT & DISCOUNT, and REPORT. The 'BILLING ANALYTICS' tab is selected. On the right, there is a large 'Apply' button with a magnifying glass icon. Below the navigation, there are several filter sections:

- AWS/Azure Selection:** A radio button group where 'AWS' is selected. There is also an 'Azure' option.
- Duration:** A date range selector set from '2017-07' to '2017-07'. An 'Apply' button is located below it.
- OS:** A checked checkbox labeled 'OS' with 'Linux/UNIX' selected. Other options include MySQL and Auto Scaling.
- Auto Scaling:** An unchecked checkbox labeled 'Auto Scaling' with 'No' selected.
- Tag:** An unchecked checkbox labeled 'Tag'.
- Total Bill Amount:** An unchecked checkbox.
- Account:** An unchecked checkbox with a dropdown menu showing '752402332954 (BSP Company)'.
- Product:** A checked checkbox with a dropdown menu showing 'Amazon Elastic Compute Cloud' and 'Amazon RDS Service' selected. Other options include Amazon Simple Notification Service, Amazon Simple Storage Service, and AmazonCloudWatch.
- Service Group:** A checked checkbox with a dropdown menu showing 'BSPERP' and 'BSPSERVICE' selected. Other options include 'BSPMANAGEMENT'.
- Data Transfer:** An unchecked checkbox with a dropdown menu showing 'In Data' and 'Out Data'.
- Region:** A checked checkbox with a dropdown menu showing 'US East (Northern Virginia)' selected. Other options include 'Asia Pacific (Seoul)', 'Asia West (Northern California)', 'Asia Pacific (Mumbai)', 'Asia Pacific (Singapore)', 'Asia Pacific (Sydney)', 'Asia Pacific (Tokyo)', 'Canada (Central)', 'EU (Ireland)', 'EU (London)', 'EU Central (Frankfurt)', 'GLOBAL', 'South America (Sao Paulo)', 'US East (Ohio)', and 'US West (Oregon)'.
- S3 Bucket:** An unchecked checkbox.

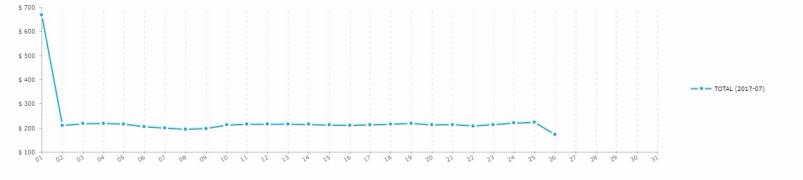
4) You can see the search result.

BILLING ANALYTICS

Amount by Itemize

TOTAL	Account	Product	Region	Service Group
Monthly Total Amount	2017-07			
Total Amount		\$5925.83		

Daily Detail Amount



TYPE	DATE	TOTAL	01	02	03	04	05	06	07
BESPIN	METERING	BSP Company							

INTELLIGENT SEARCH

HIDE

 AWS

Duration (yyyy-mm)
2017-07 ~ 2017-07

Product*
Amazon Elastic Compute Cloud
Amazon RDS Service

Region
US East (Northern Virginia)

Service Group
BSPERP
BSPSERVICE

OS
Linux/UNIX

Detail Data

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#	START DATE	END DATE	ACCOUNT	SERVICE GROUP	CLOUD PRODUCT	REGION	USETYPE	CREATED	EXPORT
1	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage	\$0.044 p	
2	2017-07-01	2017-07-02	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage	\$0.044 p	
3	2017-07-01	2017-07-02	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage	\$0.044 p	
4	2017-07-01	2017-07-02	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage	\$0.044 p	
5	2017-07-01	2017-07-02	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:c3.large	\$0.105 p	
6	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
7	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
8	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
9	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
10	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
11	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
12	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	
13	2017-07-01	2017-07-01	752403332954 (BSP ...	BSPERP	Amazon Elastic Compute Cloud	US East (Northern Virginia)	BoxUsage:m3.large	\$0.133 p	

« < 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 > »

2. View Search Result

You can go to the Service Group Management pane in which you can create or edit a Service Group. For more information, please refer to the user guide for Service Group.

1.1 Cost per Item

You can check total cost which has been incurred for a period and condition you selected. Also, you can check cost per Account/Product/Region/Service Group respectively. You can also check daily details and the trend chart for each item. As you select one of the Total/Account/Product/Region/Service Group tabs, you can check cost of each item.

The screenshot shows the Billing Analytics section of the AWS CloudWatch Metrics dashboard. It includes:

- Monthly Total Amount:** A table showing monthly totals for various AWS services. The data is as follows:

Service	Amount
Amazon Simple Email Service	\$2.01
Amazon CloudFront	-
Amazon Elastic Compute Cloud	\$4726.60
Amazon ElastiCache	\$31.59
Amazon Kinesis	\$22.94

- Daily Detail Amount:** A line chart showing the daily cost for various AWS services from July 1st to July 10th. The chart includes a legend for services like Amazon Kinesis, Amazon Kinesis Firehose, Amazon RDS, Amazon Simple Email Service, etc.
- Detailed Data:** A table showing detailed usage and costs for specific services over a 10-day period. The data is as follows:

Type	Date	Total	01	02	03	04	05	06	07	08	09	10
Amazon DynamoDB	2017-07	\$0.76	-	-	-	-	-	-	-	-	-	-
Amazon Elastic Compute Cloud	2017-07	\$4726.60	\$245.23	\$172.25	\$181.48	\$182.22	\$182.09	\$182.90	\$182.03	\$175.36	\$175.65	\$182.16
Amazon ElastiCache	2017-07	\$31.59	\$1.22	\$1.22	\$1.22	\$1.22	\$1.22	\$1.22	\$1.22	\$1.22	\$1.22	\$1.22
Amazon Kinesis	2017-07	\$22.94	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89
Amazon Kinesis Firehose	2017-07	\$0.00	-	-	-	-	-	-	-	-	-	-
Amazon RDS Service	2017-07	\$1879.26	\$74.47	\$74.46	\$72.33	\$72.02	\$74.28	\$73.64	\$74.65	\$74.51	\$74.51	\$74.61
Amazon Simple Email Service	2017-07	\$2.01	-	-	\$0.01	\$0.01	-	\$0.01	-	\$0.01	\$0.01	\$0.12
Amazon Simple Notification ---	2017-07	\$0.24	-	-	-	-	-	-	-	-	-	-
Amazon Simple Queue Service	2017-07	\$0.02	-	-	-	-	-	-	-	-	-	-
Amazon Simple Storage Service	2017-07	\$2.24	\$0.07	\$0.07	\$0.08	\$0.08	\$0.09	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
AmazonCloudWatch	2017-07	\$67.63	\$2.12	\$2.34	\$2.32	\$2.40	\$3.03	\$3.33	\$3.35	\$3.35	\$3.35	\$3.34
AWS CloudTrail	2017-07	\$0.00	-	-	-	-	-	-	-	-	-	-
AWS Key Management Service	2017-07	\$0.00	-	-	-	-	-	-	-	-	-	-

1.2 Detailed Data

You can check details for all types of cost in accordance with the period and condition you selected.

The screenshot shows the Detailed Data table for a 20-day period. The data is as follows:

#	Start Date	End Date	Account	Service Group	Cloud Product	Region	UserType	Description	Usage
1	2017-07-01	2017-07-02	129335065553 (Plat...)	BESPINAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-BoxUsage-t2.large	\$0.128 per On Demand Linux t2.large Instance Hour	
2	2017-07-01	2017-07-02	129335065553 (Plat...)	BESPINAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-In-Bytes	\$0.000 per GB - data transfer in per month	
3	2017-07-01	2017-07-02	129335065553 (Plat...)	BESPINAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-Out-Bytes	\$0.126 per GB - first 10 TB / month data transfer out by...	
4	2017-07-01	2017-07-02	129335065553 (Plat...)	BESPINAM	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-Regional-Bytes	\$0.01 per GB - regional data transfer - in/out/between EC...	
5	2017-07-01	2017-07-02	129335065553 (Plat...)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-BoxUsage-t2.large	\$0.128 per On Demand Linux t2.large Instance Hour	
6	2017-07-01	2017-07-02	129335065553 (Plat...)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-In-Bytes	\$0.000 per GB - data transfer in per month	
7	2017-07-01	2017-07-02	129335065553 (Plat...)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-Out-Bytes	\$0.126 per GB - first 10 TB / month data transfer out by...	
8	2017-07-01	2017-07-02	129335065553 (Plat...)	juice	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-Regional-Bytes	\$0.01 per GB - regional data transfer - in/out/between EC...	
9	2017-07-01	2017-07-02	129335065553 (Plat...)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-BoxUsage-t2.small	\$0.032 per On Demand Linux t2.small Instance Hour	
10	2017-07-01	2017-07-01	129335065553 (Plat...)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-CloudFront-In-Bytes	\$0.00 per GB data transfer in to Asia Pacific (Seoul) from ...	
11	2017-07-01	2017-07-01	129335065553 (Plat...)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-CloudFront-Out-Bytes	\$0.00 per GB data transfer out of Asia Pacific (Seoul) to ...	
12	2017-07-01	2017-07-02	129335065553 (Plat...)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-In-Bytes	\$0.000 per GB - data transfer in per month	
13	2017-07-01	2017-07-02	129335065553 (Plat...)	test122	Amazon Elastic Compute Cloud	Asia Pacific (Seoul)	APN2-DataTransfer-Out-Bytes	\$0.126 per GB - first 10 TB / month data transfer out by...	

You can check monthly bill per Vendor for this month.

Also, you can check and compare monthly bills.

Metering > Billing

The screenshot displays the Billing section of a cloud management platform. At the top, there are two summary cards for July and June:

- July Summary (2017-07-01 - 2017-07-25):** Unclaimed Cloud Service Invoice (63.96%) - \$8,390.91 (W\$9,365,097). Additional Service Total: N/A.
- June Summary (2017-06-01 - 2017-06-30):** NOT PAID Cloud Service Invoice (175.63%) - \$27,417.31 (W\$31,365,406). Additional Service Total: N/A.

Below these are sections for "Cloud Account by Invoice" and "Total Amount INFO".

Cloud Account by Invoice:

#	Cloud Account	Alias
1	ALL	ALL
2	12935060553	Platform Service Dev
3	752403332954	BSP

Summary Info:

Description	Total Cost
Service Amount	\$8,390.91
Support Fee	\$N/A
Credit	\$N/A
Discount	\$N/A
Service Bill amount	\$8,390.91
Bill	W\$9,365,097

Detail INFO:

Description	sum(USE QNT)	sum(TOTAL COST)
Estimated (213)	10,063,486.9	8,390.91
Amazon Elastic Compute Cloud (213)	10,063,486.9	8,390.91
Total Estimated	10,063,486.9	8,390.91

Total Amount INFO:

Account by Amount	Invoice by Amount	Additional service List						
#	Cloud Account	Alias	Invoice Amount	Exchange rate applied amount	Use Cost	Support Fee	Credit	Discount
1	12935060553	Platform Service Dev	\$1,680,65003900	W\$1,875,774	\$1,680,65003900	\$0.00000000	\$0.00000000	\$0.00000000
2	752403332954	BSP	\$6,710,26150359	W\$7,489,323	\$6,710,26150359	\$0.00000000	\$0.00000000	\$0.00000000

1. Bill

You can check a bill per Vendor/month, and you can compare it to the bill for the last month.

DASHBOARD — BILLING ANALYTICS — **BILLING** — BUDGETING — COST OPTIMIZATION — PAYMENT & DISCOUNT — REPORT

HELP

VENDOR AWS Azure

YEAR 2017 MONTH 1 2 3 4 5 6 7 8 9 10 11 12

July Summary (2017-07-01 ~ 2017-07-25)		Unclaimed	June Summary (2017-06-01 ~ 2017-06-30)		NOT PAID
Cloud Service Invoice 63.96%	Additional Service Total		Cloud Service Invoice 1173.43%	Additional Service Total	
\$8,390.91	₩N/A		\$27,417.31	₩31,365,406	₩N/A
Service Amount \$8,390.91			Service Amount \$27,417.31		
Support Fee \$N/A			Support Fee \$0		
Credit \$N/A			Credit \$0		
Discount \$N/A			Discount \$0		
Service Bill amount \$8,390.91			Service Bill amount \$27,417.31		
Bill ₩9,365,097			Bill ₩31,365,406		
BILL ISSUED: 9 DAY LEFT VAT Excluded		Last Update 2017-07-25 23:07:56 [UTC]	BILL ISSUED: 2017-07-05 VAT Excluded		Last Update 2017-07-06 20:38:48 [UTC]

1) Select Vendor :

You can select a Vendor you want to check a bill for. As you select a Vendor, a bill from the selected Vendor appears.

2) Select Month :

You can select the month you want to check a bill for. As you select month, a bill for the selected month appears.

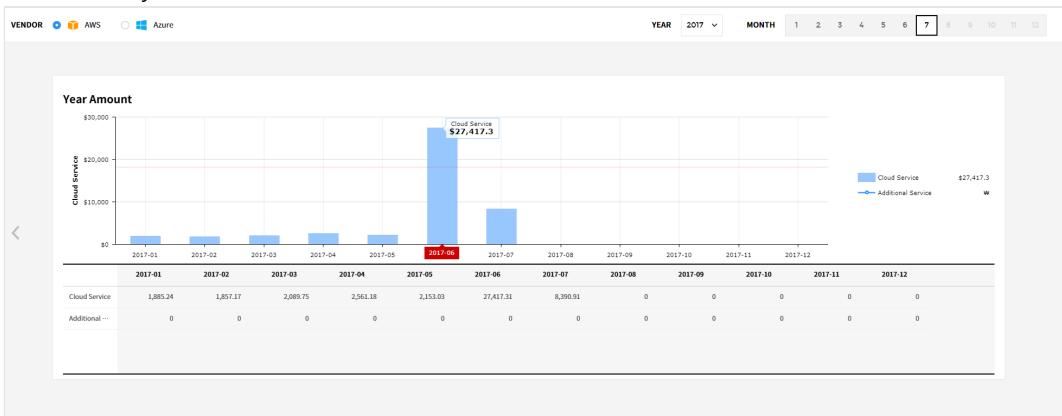
3) Monthly Summary :

You can access briefing of requisition for the selected month.

4) Last Month Summary:

You can access briefing of requisition for the previous month of the selected one.

By clicking the [->] button, you can check the trend chart with which you can compare varied monthly cost for this year.



1) Monthly Trend Chart :

You can check monthly cost with the trend chart.

2) Monthly Data :

You can check monthly cost with the grid.

2. Cost per Cloud Account

You can check cost per registered account.

You can check the cost for every registered account or aggregate cost with its details.

The screenshot shows a dashboard titled "Cloud Account by Invoice". At the top right are three buttons: "Detail data", "Billing data", and "Report Send". Below the title is a search bar and a table with columns "#", "Cloud Account", and "Alias". Three rows are listed: 1. ALL, ALL; 2. 12933505553, Platform Service Dev; 3. 752403332954, BSP. To the right of the table is a "Summary Info" section with various cost components and their totals. Below that is a "Detail INFO" section with a table showing usage quantity and total cost for different services.

Description	TOTAL COST
Service Amount	\$8,390.91
Support Fee	N/A
Credit	N/A
Discount	N/A
Service Bill amount	\$8,390.91
BILL	\$9,365.097

DESCRIPTION	sum(USE QNT)	sum(TOTAL COST)
Estimated (213)		
Amazon Elastic Compute Cloud (213)	10,063,486.9	8,390.91
Total Estimated	10,063,486.9	8,390.91

1) Select Account :

You can select an account you want to check a cost for. Summary/details of the selected account are shown.

2) Summary :

Summary of cost is shown, including total amount; supplementary services; and discount.

3) Details :

You can check details of the incurred cost.

4) Change Display Mode :

You can check details shown by aligning them according to conditions per Vendor as below.

AWS : Invoice Account Service Group Region Tag

Azure : Subscription Service Group Region Meta Category

3. Total Cost

You can check cost per Account/Invoice. You can also check history of its supplementary service.

Total Amount INFO								
Account by Amount		Invoice by Amount		Additional service List				
#	Cloud Account	Alias	Invoice Amount	Exchange rate applied amount	Use Cost	Support Fee	Credit	Discount
1	12933605953	Platform Service Dev	\$1,680,65003900	#1,875,774	\$1,680,65003900	\$0.0000000	\$0.0000000	\$0.0000000
2	75240332954	BSP	\$6,710,26150359	#7,489,323	\$6,710,26150359	\$0.0000000	\$0.0000000	\$0.0000000

1) Cost per Account :

You can check cost per registered Account.

2) Cost per Invoice :

You can check cost per Invoice.

3) History of Supplementary Service :

You can check history of and cost incurred by supplementary service.

Budgeting

You can enter a monthly budget per Vendor and check actual cost in comparison with your budget.

By setting the alarm, you can receive a notification via SMS or e-mail when cost exceeds a certain ratio or amount within the budget you set in advance.

Metering > Budgeting

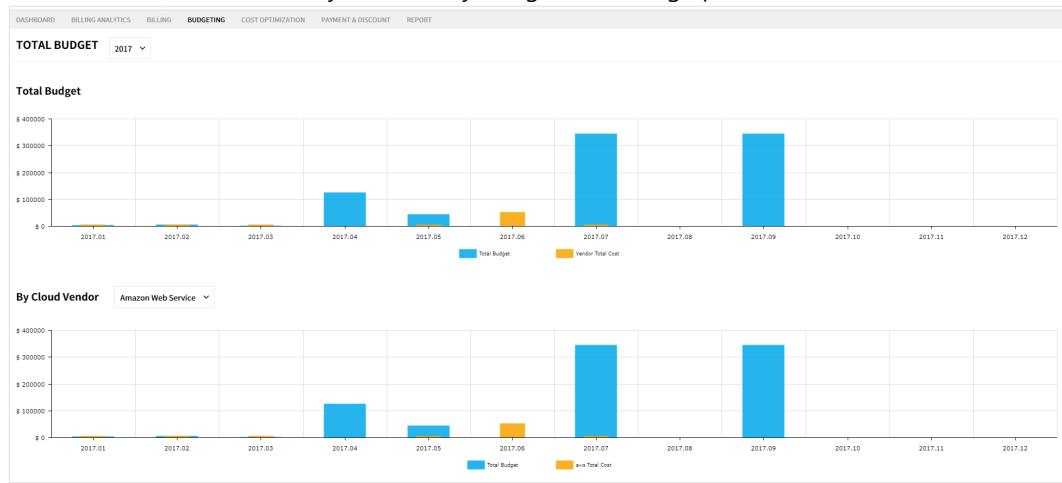


The form allows users to manage alarms. It includes sections for 'Default Alarm' (highest priority, ON), 'Alarm based on Absolute Amount' (threshold for AWS set to 6000, alert via SMS and EMAIL), 'Receive Alarm Message Via' (SMS and EMAIL checkboxes), and an 'Add new alarm' button.

1. Budget Overview

Metering > Budgeting > **Budget Overview**

You can check actual cost in your monthly budget with the graph.



1) Select Year :

Shows status of budget expenditure for the selected year.

2) Total Budget :

You can compare total budget per Vendor and actual cost of all Vendors with the graph.

3) Categorize Cloud Vendor :

You can compare a budget and actual cost of each Vendor with the graph.

You can select a Vendor you want to check for status for expenditure.

2. Budget Setting

Metering > Budgeting > **Budget Setting**

You can enter a monthly budget of the respective Vendor.

Budget Setting		
2017 ▾	X CANCEL ✓ SAVE & UPDATE	
MONTH ↴↑	AMAZON AWS ↴↑	Total ↴↑
01	\$3,431	\$3,431
02	\$6,111	\$6,111
03	\$1,250	\$1,250
04	\$125,000	\$125,000
05	\$45,345	\$45,345
06	\$0	\$0
07	\$345,345	\$345,345
08	\$0	\$0
09	\$345,345	\$345,345
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
Total	\$871,827	\$871,827

1) Select Year :

You can select the year you want to set a budget.

You can set a budget for 3 years at a maximum.

2) Budget Table :

You can enter a monthly budget of each Vendor.

As you double-click a cell, it becomes editable. You can enter the budget there.

When you finish making a budget, click the [Save] button on the top to save changes.

3. Alarm List

Metering > Budgeting > **Alarm List**

Regarding budget expenditure, you can set an alarm.

Alarm Management					
Alarm List	Default Alarm	Highest Priority	ON	OFF	▲
Alarm Recipient	Alarm based on Absolute Amount				
	Threshold for [AWS]	6000	\$	+ ON	- OFF
	Receive Alarm Message Via				
	Add new alarm				

1) Add New Alarm :

You can set a new budget alarm.

By clicking the button, you can enter details for a new alarm.

2) Alarm Name :

Indicates the name of a new alarm.

3) Warning :

Indicates whether an alarm is On/Off.

4) Alarm Mode :

You can select how you receive an alarm.

5) [Delete] button :

By clicking the button, you can delete an alarm.

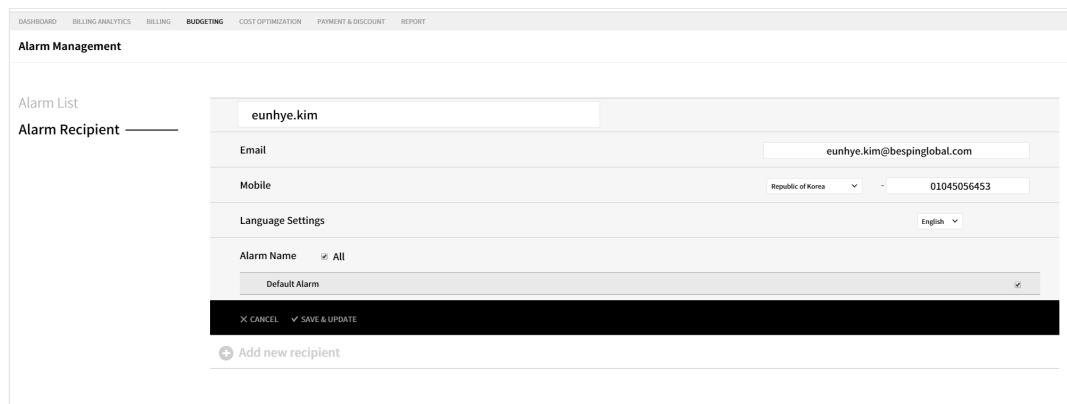
6) [Edit] button :

You can edit an alarm.

4. Alarm Receiver

Metering > Budgeting > **Alarm Receiver**

You can set a receiver of alarms.



The screenshot shows a web-based application interface for managing alarm receivers. At the top, there is a navigation bar with tabs: DASHBOARD, BILLING ANALYTICS, BILLING, **BUDGETING**, COST OPTIMIZATION, PAYMENT & DISCOUNT, and REPORT. Below the navigation bar, the title "Alarm Management" is displayed. On the left, a sidebar titled "Alarm Recipient" lists "eunhye.kim" as the current recipient. The main content area is titled "Alarm List" and contains a form for setting up a new recipient. The form fields include:

- Email:** eunhye.kim@bespinglobal.com
- Mobile:** 01045056453 (with dropdown menus for country code and number)
- Language Settings:** English (with a dropdown menu)
- Alarm Name:** All (with a dropdown menu)
- Default Alarm:** (with a dropdown menu)

At the bottom of the form, there are buttons for "CANCEL" and "SAVE & UPDATE". Below the form, there is a link to "Add new recipient" with an icon of a person.

1) [Add New Receiver] button :

You can add a new alarm receiver.

By clicking the button, you can enter details of a new receiver.

2) Receiver Name :

Shows the name of an alarm receiver.

3) Email :

Shows the e-mail address of an alarm receiver.

4) Cellphone :

Shows cellphone number of an alarm receiver.

5) Alarm Name :

You can select which alarm is to be sent to a receiver.

The Alarm List has a list of created alarms. From the list, you can select which alarm is to be sent to a receiver.

Cost Optimization

Based on Usage, Performance and Cost analysis, the Cost Optimization recommends you instances which require RI purchase or Right Sizing.

With the Intelligent Search, you can check which one of the searched instances requires RI purchase and which one requires Right Sizing.

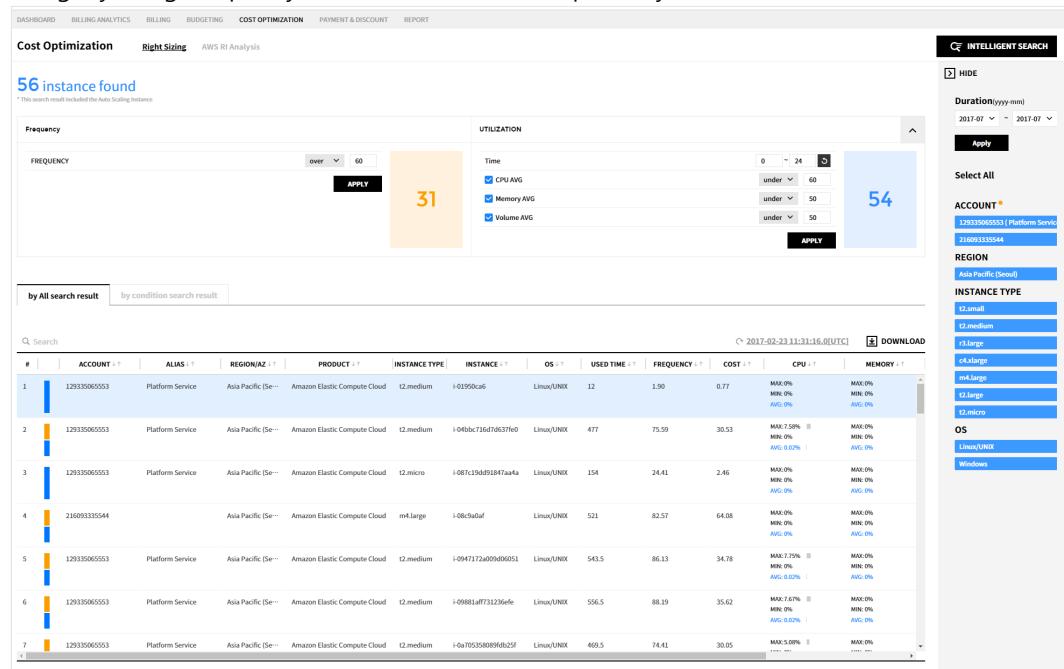
Also, you can access data to analyze usage status of the purchased AWS RI.

Metering > Cost Optimization

1. Right-sizing

Metering > Cost Optimization > **Right-sizing**

You can check which one of the searched instances requires RI purchase and which one requires Right-sizing, by using Frequency and Utilization filters respectively.



1) Frequency :

Through the Frequency, you can check instances which are consistently being used.

The conditions can be changed, and you can go to the pane for RI simulation if you click the number.

2) Utilization :

Through the Utilization, you can check instances whose usage ratio is above/below a certain percentage for a certain period of time.

The conditions can be changed, and you can go to the pane for Right Sizing if you click the number.

3) All Instances/Filtered Instances of Search Result :

Through Intelligent Search, you can check Frequency/Utilization of the searched instances.

If you click the Search Result with Filtering tab, you can check only instances which correspond to Frequency and Utilization conditions you set.

1.1 RI Simulation

DASHBOARD BILLING ANALYTICS BILLING BUDGETING COST OPTIMIZATION PAYMENT & DISCOUNT REPORT

Cost Optimization Right Sizing AWS RI Analysis

<BACK TO LIST / Right Sizing/ RI

Duration: 2017.01 ~ 2017.07 FREQUENCY: over 60%

#	ACCOUNT	ALIAS	REGION/AZ	PRODUCT	INSTANCE TYPE	OS	RI Count	USE COUNT	YEAR	OFFERING TYPE	PAID(HOURS)	
1	129335065553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	m4.large	Linux/UNIX	1			START SIMULATION		
2	129335065553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	r3.large	Linux/UNIX	1			START SIMULATION		
3	129335065553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	t2.large	Linux/UNIX	3			START SIMULATION		
4	129335065553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	t2.medium	Linux/UNIX	7			START SIMULATION		
5	21609335544	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	c4.xlarge	Linux/UNIX	1			START SIMULATION		
6	21609335544	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	m4.large	Linux/UNIX	13			START SIMULATION		
7	21609335544	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	r3.large	Linux/UNIX	1			START SIMULATION		
8	21609335544	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cloud	t2.medium	Linux/UNIX	4			START SIMULATION		

Reserved Instance Simulation

ACCOUNT: 129335065553 (Platform Service) REGION/AZ: Asia Pacific (Seoul) CLOUD PRODUCT: EC2 INSTANCE TYPE: m4.large OS: Linux/UNIX Download

INSTANCE TYPE: m4. large Zone: 1 year OFFERING TYPE: No Upfront RI Count: 0 ADD SIMULATION

monthly cost

#	INSTANCE TYPE	ON-DEMAND	RI Count	YEAR	OFFERING TYPE	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06
axis	m4.large	1	0	1yr	Partial Upfront	91,512	183,024	271,584	363,096	451,656	541,168	634,68	717,336	808,848	897,408	988,92	1077,48
ri	m4.large	0	1	1yr	Partial Upfront	333,04	359,08	384,28	410,32	435,52	461,56	487,6	511,12	537,16	562,36	588,4	613,6
ondemand	m4.large	1	0	1yr	Partial Upfront	91,512	183,024	271,584	363,096	451,656	541,168	634,68	717,336	808,848	897,408	988,92	1077,48

Summary info

#	INSTANCE TYPE	ON-DEMAND	RI Count	YEAR	OFFERING TYPE	PREPAYMENT	PAID(HOURS)	TOTAL COST	SAVING COST	SAVING RATE	BREAK EVEN POINT
axis	m4.large	1	0	1yr	Partial Upfront		0.123	3235,392	-	-	-
ri	m4.large	0	1	1yr	Partial Upfront	307	0.035	1841,64	1393,75	43,00	2017-11
ondemand	m4.large	1	0	1yr	Partial Upfront		0.123	3235,392	0	0,00	-

Shows a list of instances filtered by Frequency you set, and you can carry out RI purchase simulation for the selected instance (instance with identical Type, Region and OS).

1) Instance List :

Shows a list of instances which correspond to Frequency condition you set.

As you click the [RI Simulation] button, you can execute RI purchase simulation for instances of the selected Type, Region and OS.

2) RI Simulation :

You can compare current cost to the trend for estimated cost of RI purchase by selecting conditions for RI purchase.

1.2 Right Sizing

Cost Optimization **Right Sizing** AWS RI Analysis

< BACK TO LIST / Right Sizing/ UTILIZATION

Duration: 2017-07 - 2017-07 Time: 0 ~ 24 CPU under 60% MEMORY under 50% VOLUME under 50%

#	ACCOUNT	ALIAS	REGION/AZ	PRODUCT	INSTANCE TYPE	INSTANCE	OS	USED TIME	FREQUENCY	COST	CPU %	MEMORY %	VOLUME %
1	12933506553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	t2.medium	i-0190ca6	Linux/UNIX	12	1.90	0.77	MAX: 0%	MIN: 0%	Avg: 0%
2	12933506553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	t2.medium	i-04bc78d7d76...	Linux/UNIX	477	75.59	30.53	MAX: 120%	MIN: 0%	Avg: 0%
3	12933506553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	t2.micro	i-087c19dd9184...	Linux/UNIX	154	24.41	2.46	MAX: 0%	MIN: 0%	Avg: 0%
4	216093335544		Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	m4.large	i-08c3ufaf	Linux/UNIX	521	82.57	64.08	MAX: 0%	MIN: 0%	Avg: 0%
5	12933506553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	t2.medium	i-0947172a009d...	Linux/UNIX	543.5	86.13	34.78	MAX: 17.75%	MIN: 0%	Avg: 0%
6	12933506553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	t2.medium	i-09881aft73123...	Linux/UNIX	556.5	88.19	35.62	MAX: 14.7%	MIN: 0%	Avg: 0%
7	12933506553	Platform Service	Asia Pacific (Seoul)	Amazon Elastic Compute Cl...	t2.medium	i-0a70538089f...	Linux/UNIX	469.5	74.43	30.05	MAX: 15.9%	MIN: 0%	Avg: 0%

UTILIZATION

CPUtilization MEMORY VOLUME

MONTH ITEM 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MONTH	ITEM	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2017-07	Avg	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	
2017-07	Max	-	-	-	-	-	-	-	-	-	-	-	-	7.58	-	-	-	-	-	-	-	-	-	-	-	
2017-07	Min	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	

Usage Time/Cost

MONTH	ITEM	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2017-07	cost	1.42	1.46	1.49	1.49	1.49	1.51	1.49	1.42	1.42	1.49	1.49	1.51	1.48	1.51	1.42	1.51	1.42	1.42	1.14	1.22	1.42	1.46			
2017-07	time	17.50	20.00	21.50	21.50	21.50	22.50	21.50	22.00	21.00	21.50	21.50	22.50	21.00	22.50	21.00	21.00	24.00	22.50	23.50	24.00	24.00	24.00	24.00		
0-SUM	cost	1.42	1.46	1.49	1.49	1.49	1.51	1.49	1.42	1.42	1.49	1.49	1.51	1.48	1.51	1.42	1.51	1.42	1.42	1.14	1.22	1.42	1.46			
0-SUM	time	17.50	20.00	21.50	21.50	21.50	22.50	21.50	22.00	21.00	21.50	21.50	22.50	21.00	22.50	21.00	21.00	24.00	22.50	23.50	24.00	24.00	24.00	24.00		
0-AVG	cost	1.42	1.46	1.49	1.49	1.49	1.51	1.49	1.42	1.42	1.49	1.49	1.51	1.48	1.51	1.42	1.51	1.42	1.42	1.14	1.22	1.42	1.46			
0-AVG	time	17.50	20.00	21.50	21.50	21.50	22.50	21.50	22.00	21.00	21.50	21.50	22.50	21.00	22.50	21.00	21.00	24.00	22.50	23.50	24.00	24.00	24.00	24.00		

Shows a list of instances filtered by Frequency you set, and you can carry out RI purchase simulation for the selected instance (instance with identical Type, Region and OS).

1) Instance List :

Shows a list of instances which correspond to Utilization filter you set.

As you select an instance on the list, you can check usage ratio and information about usage time/cost of the selected instance.

2) Resource Usage Ratio :

Regarding the selected instance, you can check usage ratio of CPU, Memory and Disk for each period.

With this, you can check when the selected instance has been used considerably and whether it has proper Type and Size.

3) Time/Cost :

You can check average daily usage time and average cost of the selected instance.

With this, you can check daily usage pattern of the selected instance.

2. AWS RI Analysis

Metering > Cost Optimization > AWS Ri Analysis

You can check usage history of the purchased RIs.

The screenshot shows the AWS Cost Optimization interface with the 'AWS RI Analysis' tab selected. The top navigation bar includes links for DASHBOARD, BILLING ANALYTICS, BILLING, BUDGETING, COST OPTIMIZATION, PAYMENT & DISCOUNT, and REPORT.

RI Purchase Status:

#	ACCOUNT	ALIAS	REGION/AZ	PRODUCT	INSTANCE TYPE	OS	RI Count	EXPIRY DATE	STATE
1	129335065553	Platform Service	Asia Pacific (Seoul)	AmazonEC2	t2.small	Linux/UNIX	2	264 days	active
2	216093335544		Asia Pacific (Seoul)	AmazonEC2	t2.medium	Linux/UNIX	2	264 days	active
3	129335065553	Platform Service	Asia Pacific (Seoul)	AmazonEC2	t2.medium	Linux/UNIX	2	264 days	active
4	216093335544		Asia Pacific (Seoul)	AmazonEC2	m4.large	Linux/UNIX	7	264 days	active

RI Usage Status:

For RI 216093335544 (Region: Asia Pacific (Seoul), Product: AmazonEC2, Instance Type: t2.medium, OS: Linux/UNIX):

The chart displays the daily usage of RI and used instances over a two-week period. The Y-axis represents the number of instances from 1 to 7. The X-axis shows dates from 2017-07-01 to 2017-07-25. The legend indicates RI (light grey) and Used Instance (dark green).

INSTANCE	USAGE TIME	COST	FREQUENCY	UNDE
i-693a53ce	0	14.88	98.26	
i-6b3a53cc	141	20.52	98.26	
i-6f3a53c8	620	39.68	98.26	
i-c23b5265	620	39.68	98.26	
i-c83b526f	620	39.68	98.26	
i-ca3b526d	620	39.68	98.26	

Intelligent Search:

- Duration (yyyy-mm): 2017-07 ~ 2017-07
- Apply
- Select All
- ACCOUNT: 129335065553 (Platform Service), 216093335544
- REGION: Asia Pacific (Seoul)
- INSTANCE TYPE: t2.small, t2.medium, r3.large, c4.large, m4.large, t2.large, t2.micro
- OS: Linux/UNIX, Windows

1) RI List :

Shows a list of the purchased RIs.

By selecting an RI, you can check usage status of the selected RI.

2) RI Usage Status :

Provides the graph with which you can compare the number of instance which actually has identical Type, Region and OS to the number of the selected RI.

With this graph, you can check whether the purchased RI is being used efficiently.

Payment & Discount

Provides Report Templates, and you can download the report you make.
Metering > Payment & Discount

1. Payment & History

Metering > Payment & Discount > **Payment & Discount**

You can check history of claimed charge and its payment.

Payment History										
#	Account	Alias	Date Billed	Name[Company]	Item	Amount Due	Date Paid	Amount Paid	Balance	Status
1	75400332954	BGP Company	2021/03	BGP Company	AWS 2월 사용료	6,689,372		0	6,689,372	OVERDUE
2	75400332954	BGP Company	2021/03	BGP Company	AWS 1월 사용료	5,251,601		0	5,251,601	OVERDUE
3	75400332954	BGP Company	2021/03	BGP Company	AWS 12월 사용료	4,040,361	2021/03/14	4,040,361	0	Paid

2. Discount History

Metering > Payment & Discount > **Discount History**

You can check history of discounts you have had.

3. Credit Information

Metering > Payment & Discount > **Credit Information**

You can check issue status and usage status of credit.

Credit Information								
#	ACCOUNT	ALIAS	REGISTRATION DATE	EXPIRY DATE	DESCRIPTION	CREDIT	REMAIN CREDIT	
7	1293350605053	Platform Service	2017.06.29	2017.12.31		\$ 40,000.00	\$ 20,000.00	
8	1293350605053	Platform Service	2017.06.29	2017.12.31		\$ 20,000.00	\$ 20,000.00	
9	1293350605053	Platform Service	2017.06.29	2017.12.31		\$ 20,000.00	\$ 20,000.00	
10	1293350605053	Platform Service	2017.06.28	2017.12.31		\$ 10,000.00	\$ 10,000.00	
11	1293350605053	Platform Service	2017.06.28	2017.12.31		\$ 10,000.00	\$ 5,000.00	
12	1293350605053	Platform Service	2017.06.29	2017.12.31		\$ 1,000.00	\$ 1,000.00	
13	1293350605053	Platform Service	2017.06.29	2017.11.30		\$ 30,000.00	\$ 30,000.00	
14	1293350605053	Platform Service	2017.06.29	2017.11.30		\$ 0.00	\$ 0.00	
15	1293350605053	Platform Service	2017.06.29	2017.09.30		\$ 20,000.00	\$ 20,000.00	
16	1293350605053	Platform Service	2017.06.29	2017.09.30		\$ 5,000.00	\$ 2,000.00	
17	1293350605053	Platform Service	2017.06.29	2017.09.30		\$ 2,000.00	\$ 2,000.00	
18	1293350605053	Platform Service	2017.04.02	2017.09.31		\$ 1,000.00	\$ 0.00	
19	23091335544	23091335544	2017.06.28	2017.12.31		\$ 50,000.00	\$ 4,000.00	

Report

Provides Report Templates, and you can download a report you make.
Metering > Report

DASHBOARD — SERVICE GROUP — USAGE — PERFORMANCE — REPORT

REPORT



SUMMARY
Last Download



USAGE
Last Download



PERFORMANCE
Last Download

ASSET REPORT

REPORT INFO **LOG**

EXPORT SETTING
After you enter the correct date (in days)
You can download the report for that period.

Date Duration
2017.04.15 > 2017.04.15 

File Format
 EXCEL PDF

DOWNLOAD

Provides four types of Report Templates as below.

Expenditure Status per Product/Region

Usage & Expenditure Status per Product

Expenditure Status per Product/Region in Azure

Usage & Expenditure Status per Product in Azure

On the **My Report** menu, you can check a list of the created Reports and re-download them.

If you click each Report Template, the menu shown below appears on the right side.

1) Report Info :

If you select the period and file format of a Report, you can download the Report accordingly.
You can download it in .xls or .pdf format.

2) Log :

Shows download history of Reports created with the selected Report Template.
You can re-download the created Report.

On the **My Report** menu, you can check a list of the created Reports and re-download them.