



BESPIN GLOBAL



BSP User Manual

Monitoring Dashboard



BESPIN GLOBAL



Monitoring Dashboard

You can check the monitoring information aggregated by the service group unit defined by the customer.

The Monitoring Dashboard service provides three menus.

1. Service Dashboard

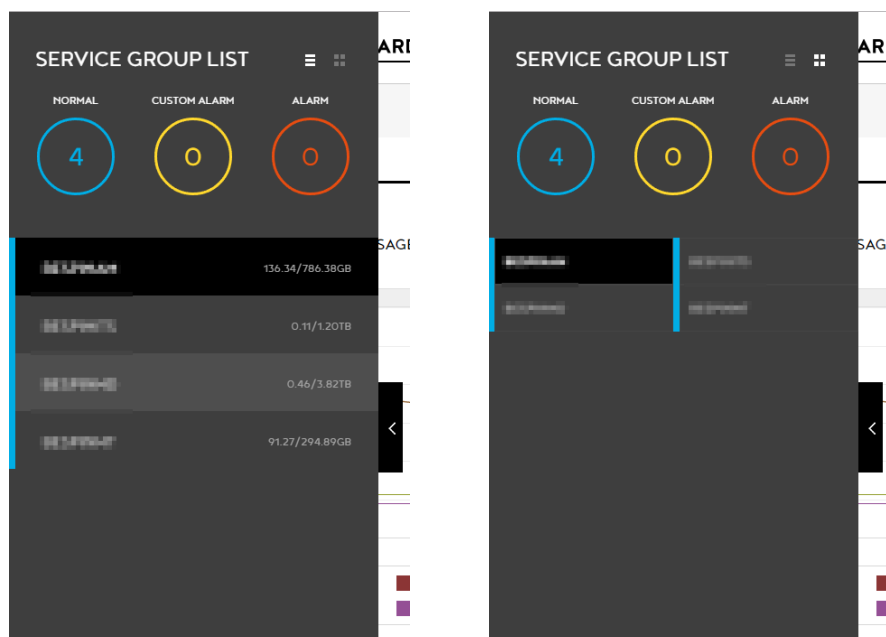
Provides monitoring of infrastructure resources and alarms for abnormal infrastructure threshold.

Monitoring Dashboard > Service Dashboard

1.1. Service Group List

Shows the service group list and provides convenient navigation between target services you want to monitor.

Provides information with the service list of the customer managed by the person in charge and incurred alarm summary.

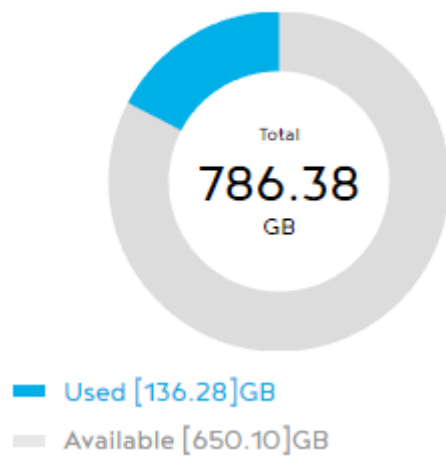


1.2. Service Summary

Overall status, summary, and figures of the monitoring services are indicated in charts and graphs for easy recognition, efficiently providing the information the monitoring personnel need.

Monitoring Dashboard > Service Dashboard > Service Summary

Storage



1.2.3. Today's Alarm Info

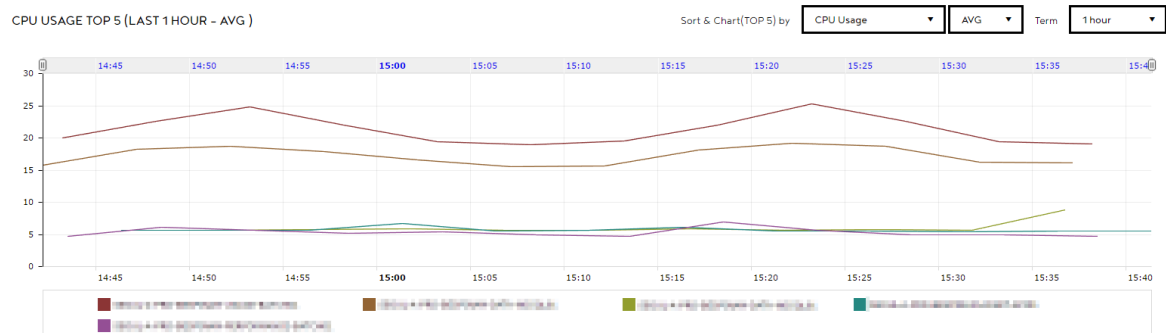
Shows the server and other relevant information of the alarms that incurred on the day for an immediate check.

Today's Alarm Info

ROLE	SERVER	ALARM
Every Servers are working normally		

1.2.4. Change trend of top 5 servers

You can review the change trend of the top 5 servers in usage per CPU, Memory, Disk, Queue, and Throughput; you can easily set the order sequence and collection term depending on your interest.



1.2.5. Performance status of the top 5 servers

Based on the selected index among 5 main indexes, you can monitor the performance status of the top 5 servers.

RANK	ROLE	SERVER NAME	STATUS	CPU USAGE(%)	DISK USAGE(%)	MEMORY USAGE(%)	QUEUE LENGTH(#)	THROUGHPUT(KB/s)
1	BATCH	MOUL-A-PROD-BESPINAM-JANET-WEB01		<div><div></div></div> 21.30	<div><div></div></div> 36.04	<div><div></div></div> 69.16	1.12083	1.78
2	NOSQL	MOUL-A-PROD-BESPINAM-JANET-WEB02		<div><div></div></div> 17.22	<div><div></div></div> 6.90	<div><div></div></div> 11.87	0.99500	0.53
3	ADMIN	MOUL-A-PROD-BESPINAM-JANET-WEB03		<div><div></div></div> 6.01	<div><div></div></div> 8.62	<div><div></div></div> 29.97	0.05364	1.01
4	API	MOUL-A-PROD-BESPINAM-JANET-WEB04		<div><div></div></div> 5.71	<div><div></div></div> 12.22	<div><div></div></div> 30.88	0.10417	0.00
5	BATCH	MOUL-A-PROD-BESPINAM-JANET-WEB05		<div><div></div></div> 5.33	<div><div></div></div> 33.67	<div><div></div></div> 25.97	0.17667	0.24

1.3. Alarms

You can search the incurred alarm summary per day or term. It provides metric information based on the incurred time for the progress status of the incurred/stopped alarms and its cause analysis.

Monitoring Dashboard > Service Dashboard > Alarm



1.3.1. Alarm List

Shows the alarm list, where you can easily search for the alarm progress status per day or term. Opened alarms and custom alarms are indicated in a different color in the background.

☐ Day
 ☒ Term

2016-06-01

>

2017-06-19

ALARM

CUSTOM ALARM

Total (4)

SERVER NAME	METRIC	COUNT
<div> <div></div> <div></div> </div>	Rebooted	2
2017-05-25 22:46 - 2017-05-26 10:22		
<div> <div></div> <div></div> </div>		3
2017-05-25 22:38 - 2017-05-26 10:22		
<div> <div></div> <div></div> </div>	Rebooted	2
2017-05-25 22:25 - 2017-05-26 10:22		
<div> <div></div> <div></div> </div>	QOS_MEMORY_PHYSICAL_PERC - Memory	31
2017-04-26 10:59 - 2017-04-26 13:33		

1.3.2. Alarm Info

Provides the details of the server where the alarm incurred

Server

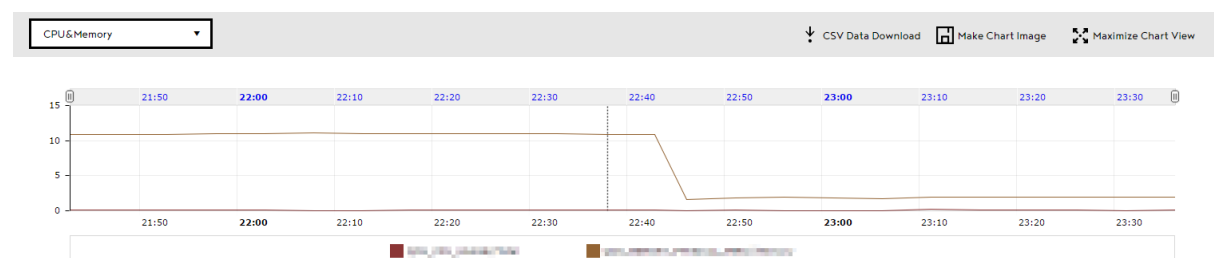
SECRET-1-PROD-BE-SF-MAN-1-2017-05-01

Collapse

IP	52.79.14.45	INSTANCE ID	SECRET-1-PROD-BE-SF-MAN-1-2017-05-01
INFRA	inf	REGION	us-east-1
OS	Ubuntu 14.04 LTS (64-bit) (HVM) (EBS) (m4.xlarge) (2016-05-04)	ROLE	EC2
STAGE	prod	MANAGED	EC2 Management

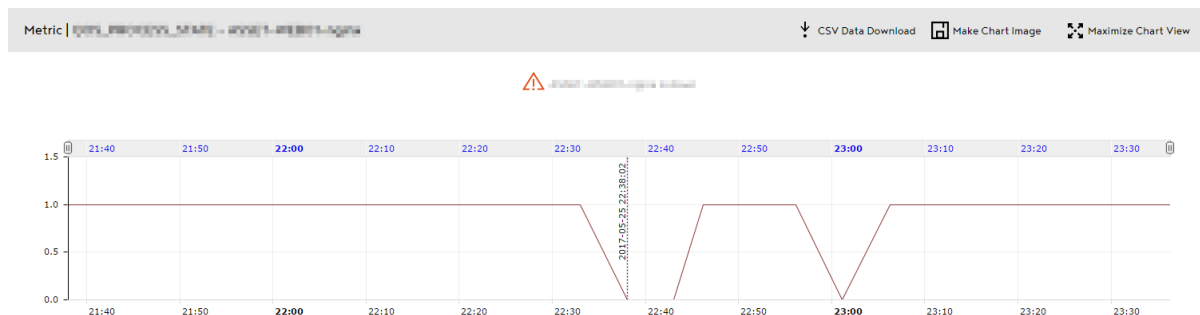
1.3.3. Metric Alarm Chart

Shows the metric alarm that incurs in a server. You can review the server conditions.



1.3.4. QoS Alarm Chart

You can see the usage for each CPU & Memory, Disk, Throughput, and Queue Length of the server per hour, to check the hour with the most and least usage. It also provides necessary information for adjusting the scale.



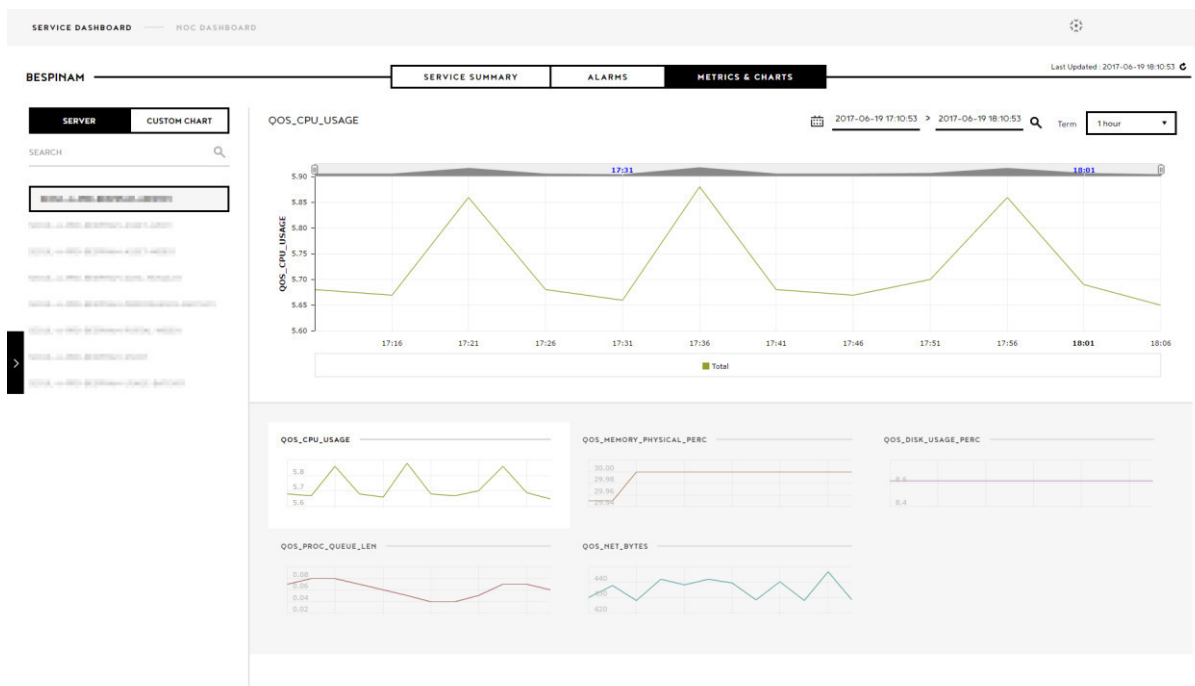
1.4. Metrics & Charts

1.4.1. Server

You can see the usage of CPU / Memory / Disk / Queue / Network in graphs, by setting the term per server for each service.

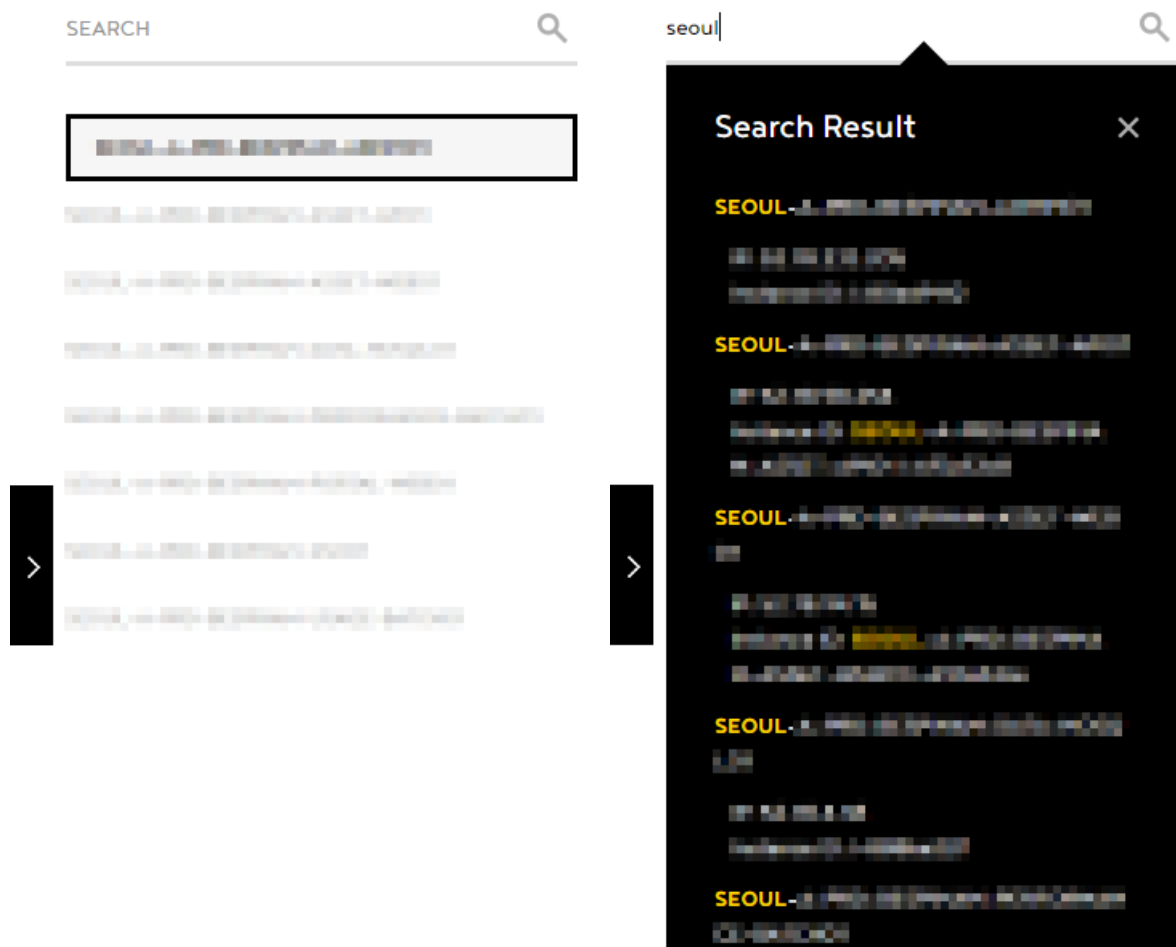
You can check all 5 performances in a graph, or select and enlarge a graph.

Monitoring Dashboard > Service Dashboard > Metrics & Charts > Server



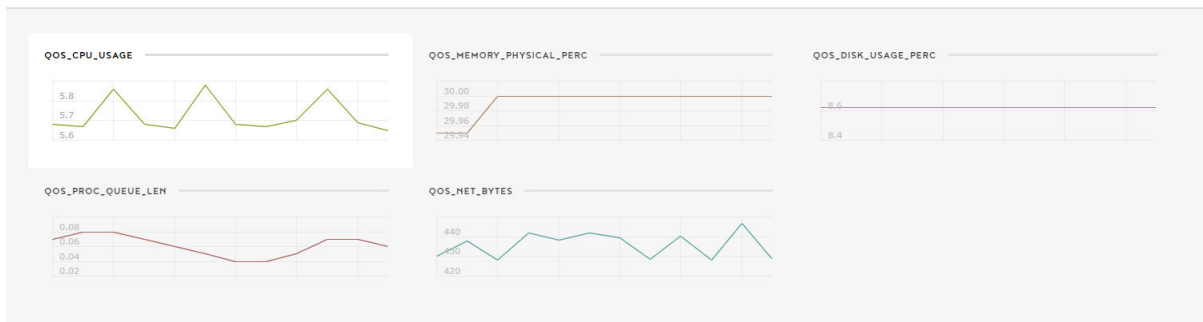
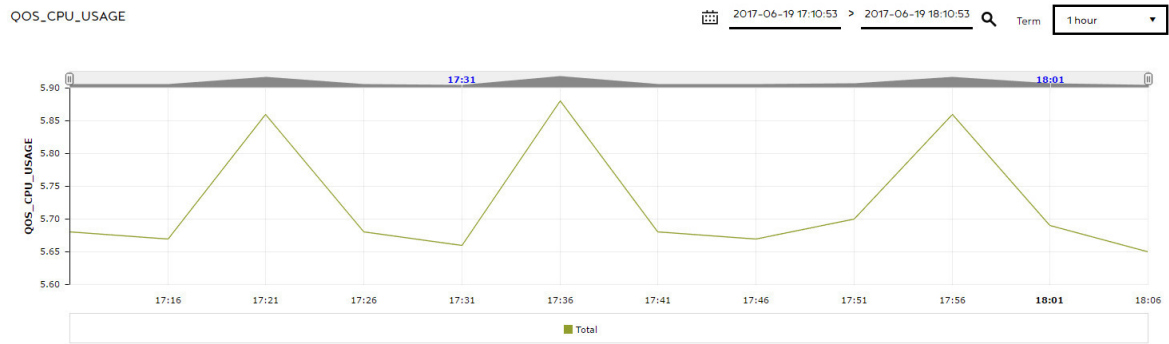
1.4.1.1. Server List

You can check and search the list of each server. If you select a server, you can see the main five metrics in a graph.



1.4.1.2. Metric Chart

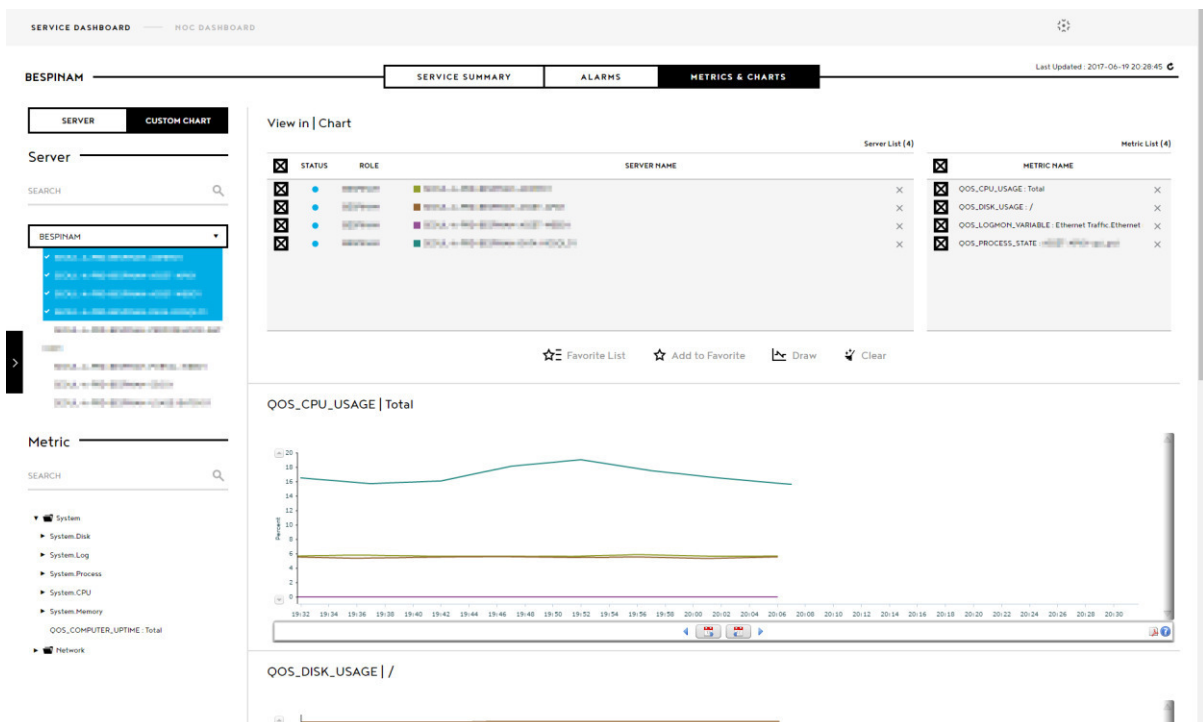
You can set the term to intuitively understand the overall status of 5 main metrics; or you can select one metric to check it in a detailed graph from an enlarged chart.



1.4.2. Custom Chart

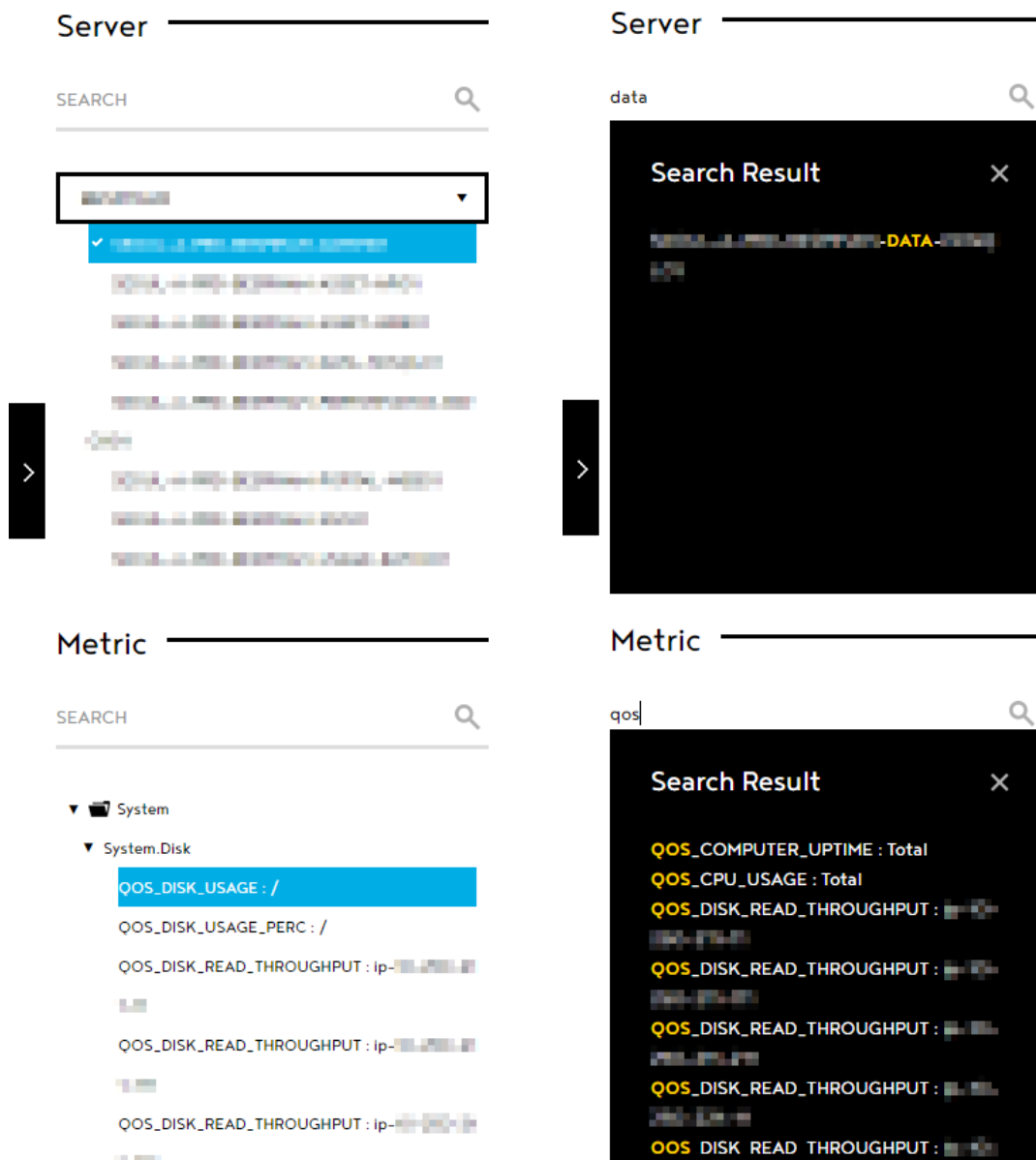
You can select servers and metrics of your interest to check their metric information in graphs.

Monitoring Dashboard > Service Dashboard > Metrics & Charts > Custom Chart



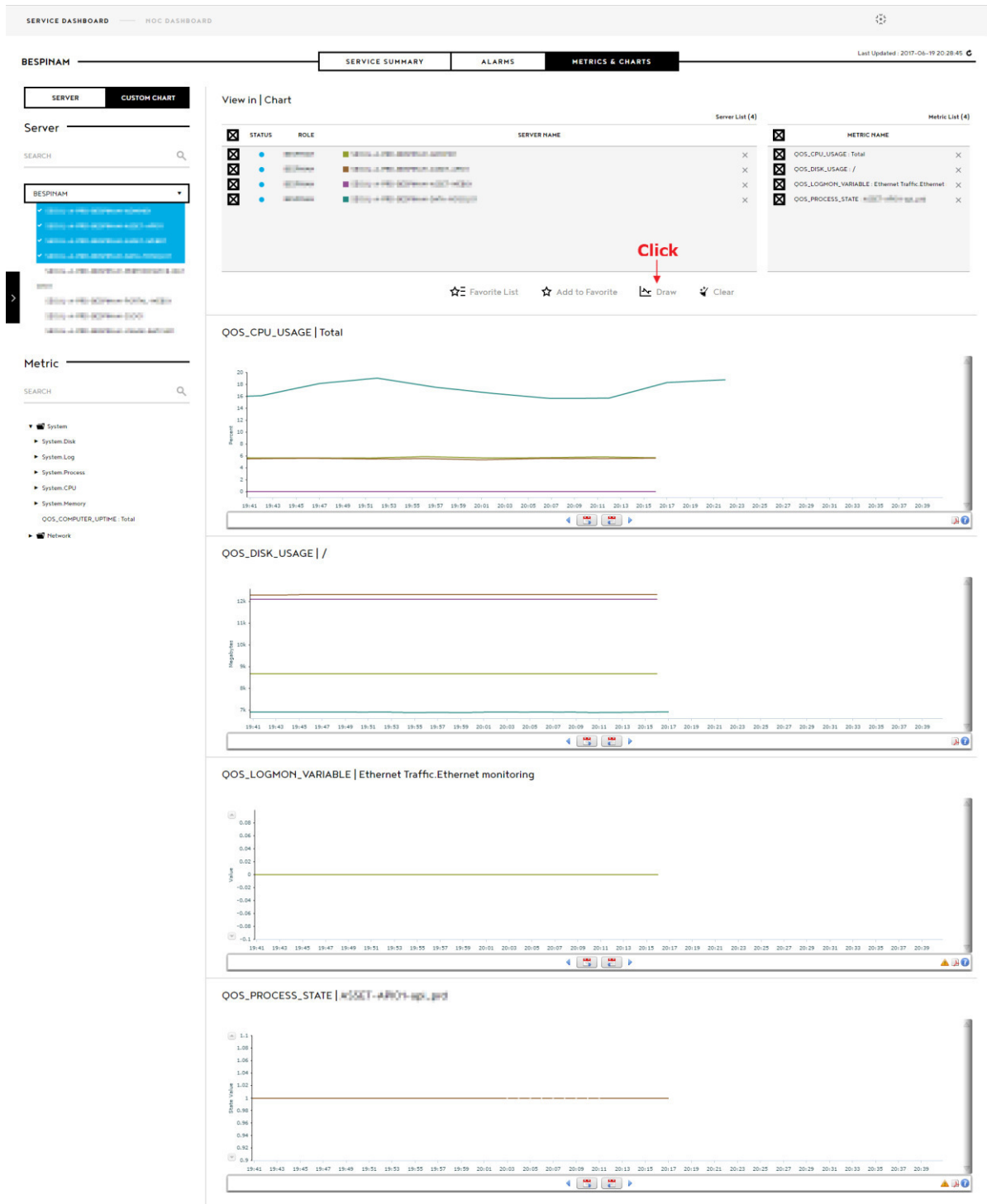
1.4.2.1. Server & Metric List

You can check and search server lists and metric lists that you can select to see in a chart.



1.4.2.2. View in | Chart

Click "View in Chart" to check the chart for each metric of the servers you have set.

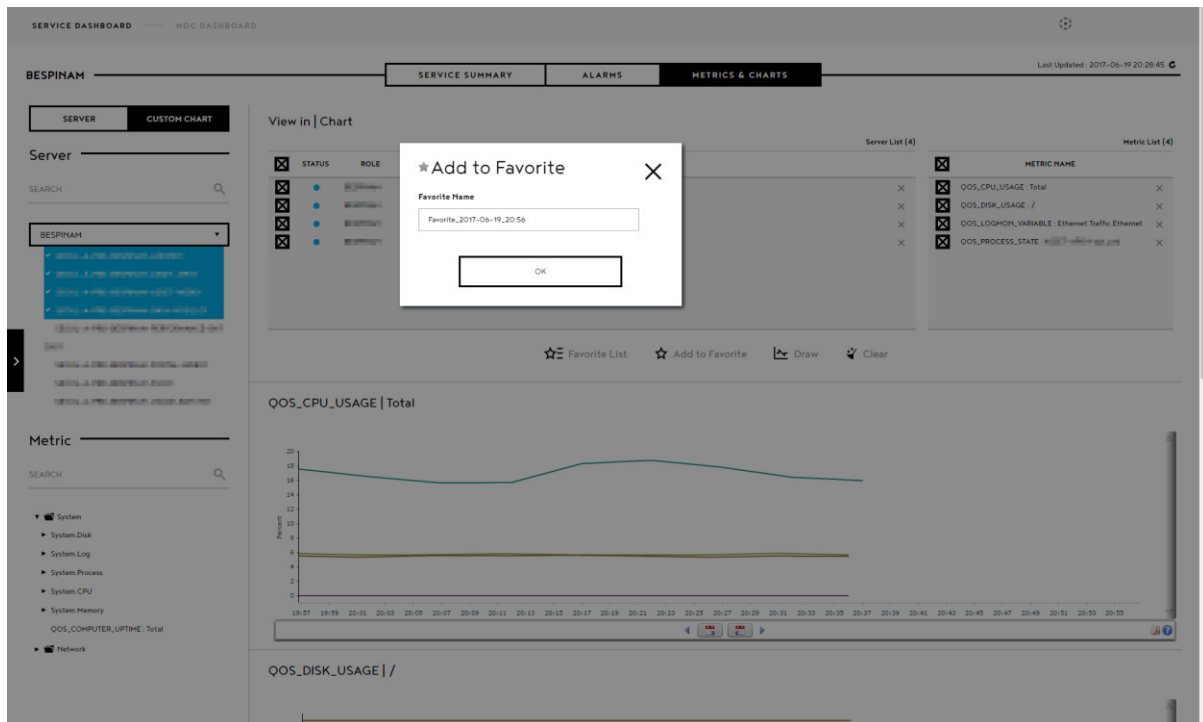


1.4.2.3. Favorites

You can create and manage custom charts with Favorites.

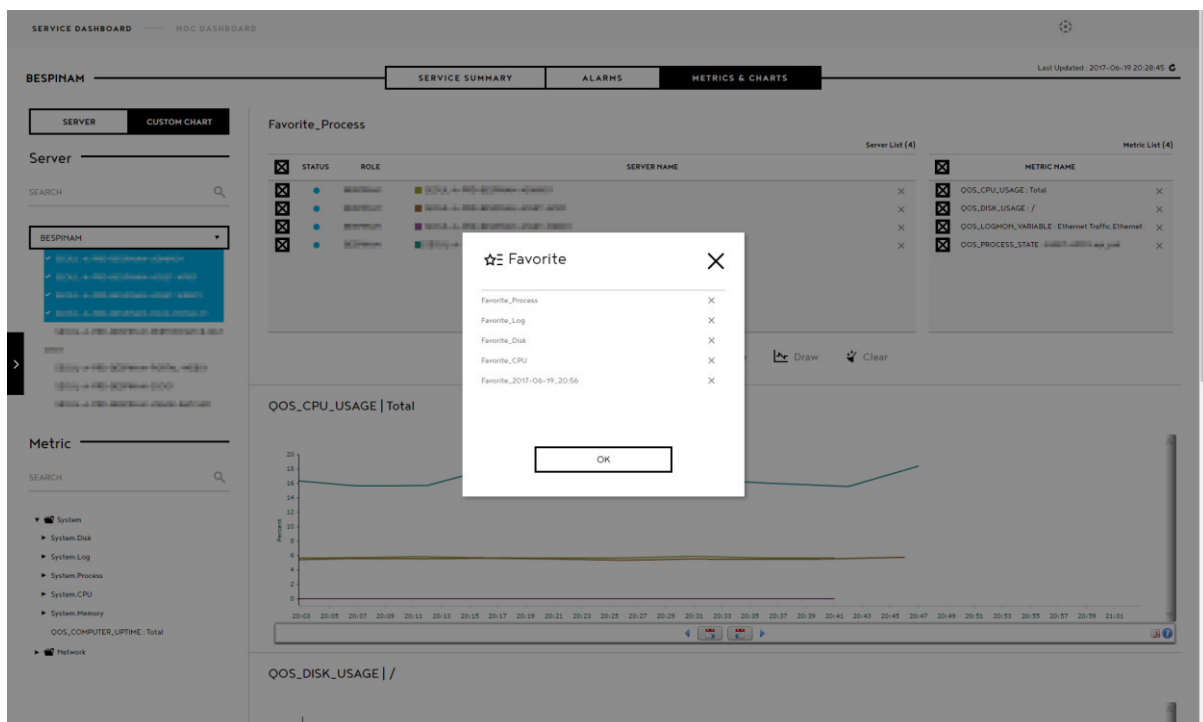
1.4.2.3.1. Add to Favorites

When you click "Add to Favorites", an "Add to Favorites" pop-up appears. Its default name is "Favorite Date".



1.4.2.3.2. Favorite List

If you have added to favorites, you can check it on the "Favorites" list pop-up and import it.



2. NOC Dashboard

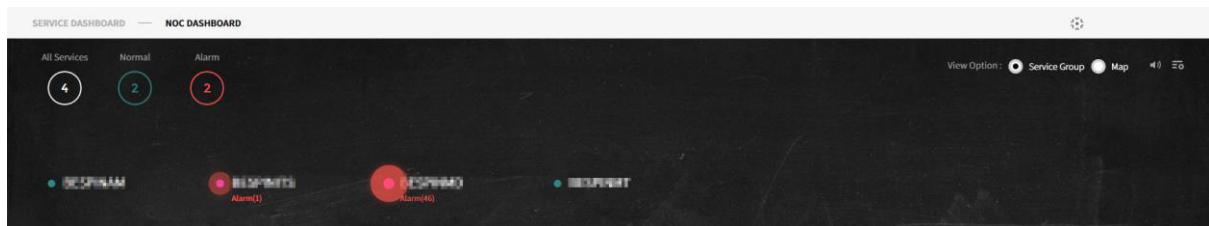
2.1. Service Group

The status of each service is shown live.

When an alarm incurs in a service, the red circle before the service title is lit. When there are many alarms, the size of the circle gets bigger.

You can check the summary of the alarms on Dashboard immediately.

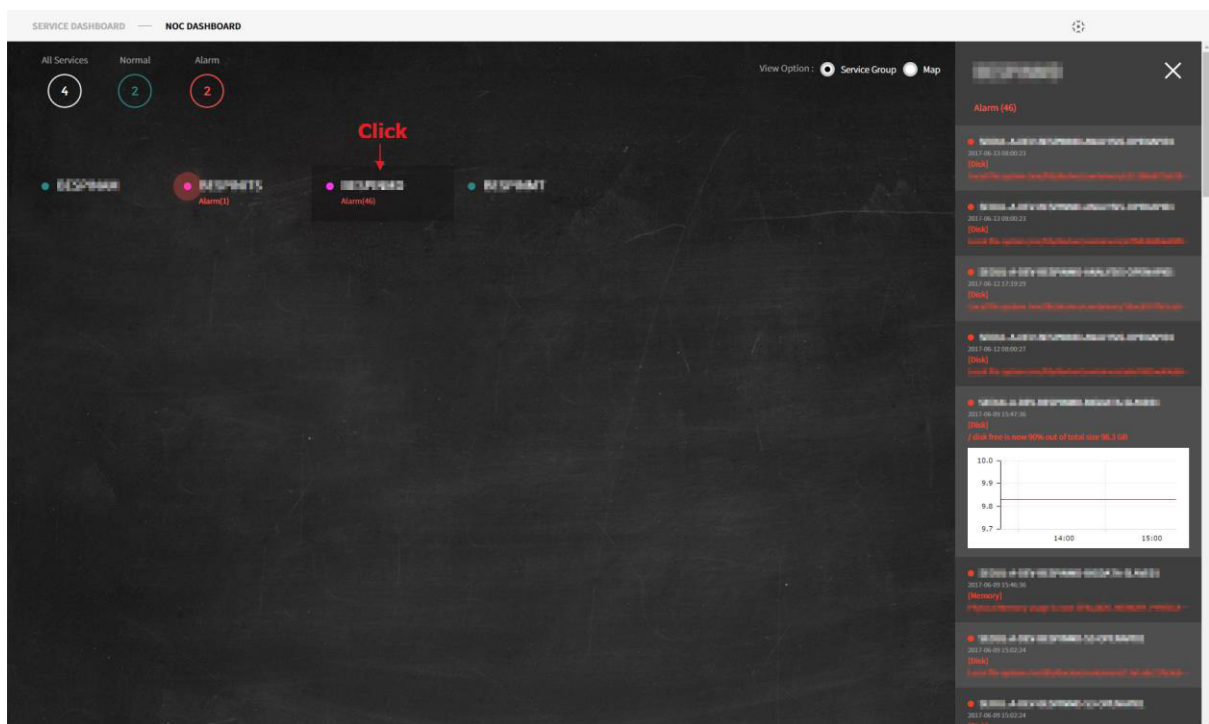
Monitoring Dashboard > NOC Dashboard > Service Group



2.1.1. Alarm List

Click the service where the alarm incurred to check the alarm details of the relevant service.

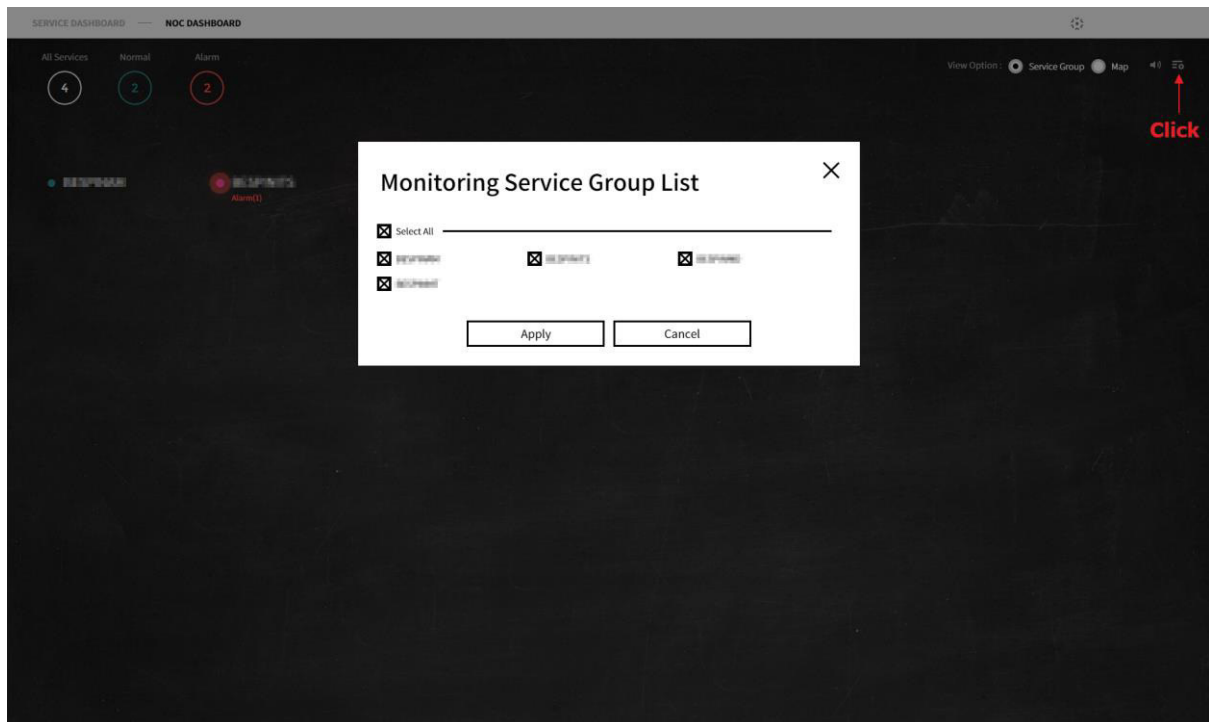
When you select the alarm, the available chart is shown depending on the alarm type when possible.



2.1.2. Monitoring Service Group List

The monitoring service group list pop-up appears when you click the configuration icon.

You can select the services to be shown on the Dashboard by checking the boxes.

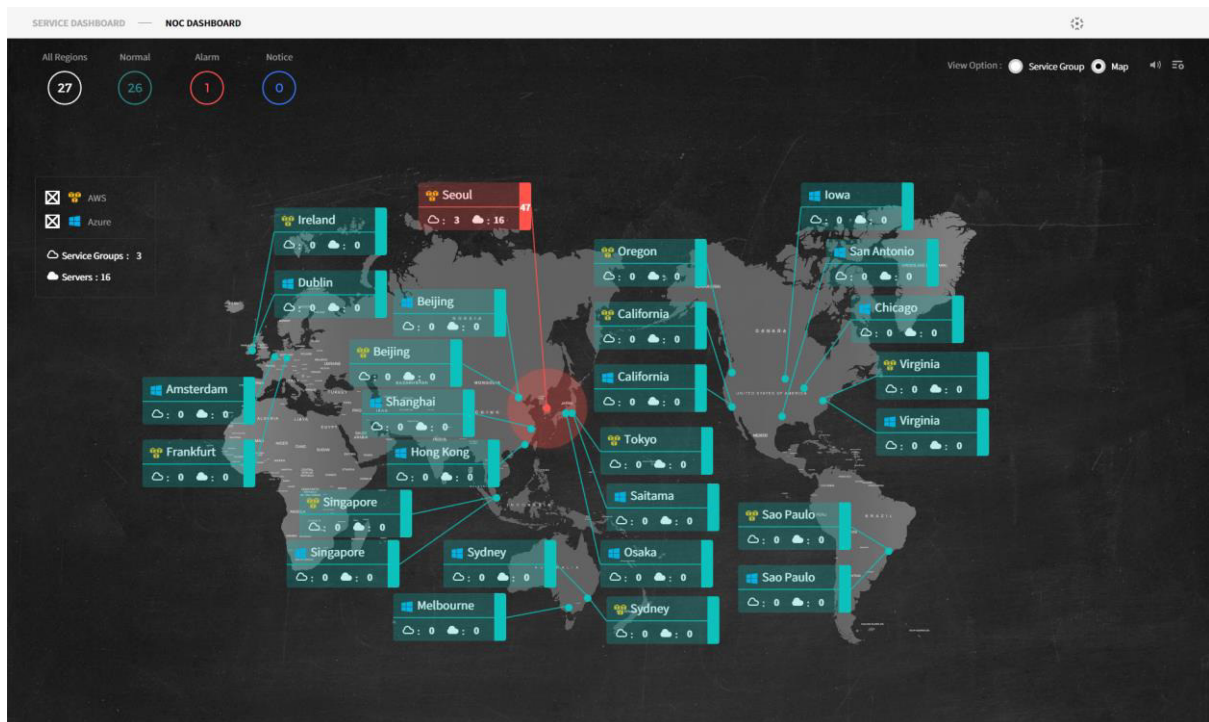


2.2. Map

Provides Geographic NOC Dashboard. You can monitor Hybrid CLOUD and all Infrastructures by region in a single pane.

When alarms incur, a red circle will be shown on the vertex of the region. When there are many alarms, the circle gets bigger.

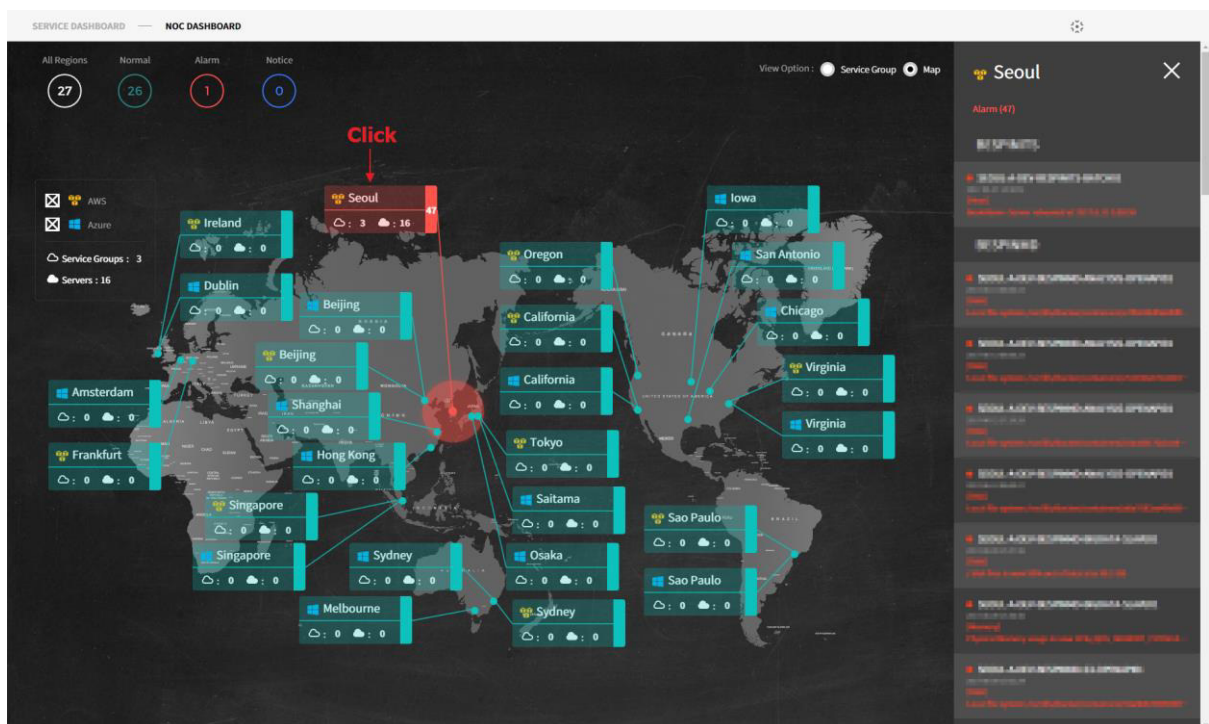
Monitoring Dashboard > NOC Dashboard > Map



2.2.1. Alarm List

Click the region where alarms incurred to check the alarm details per service group in the relevant region.

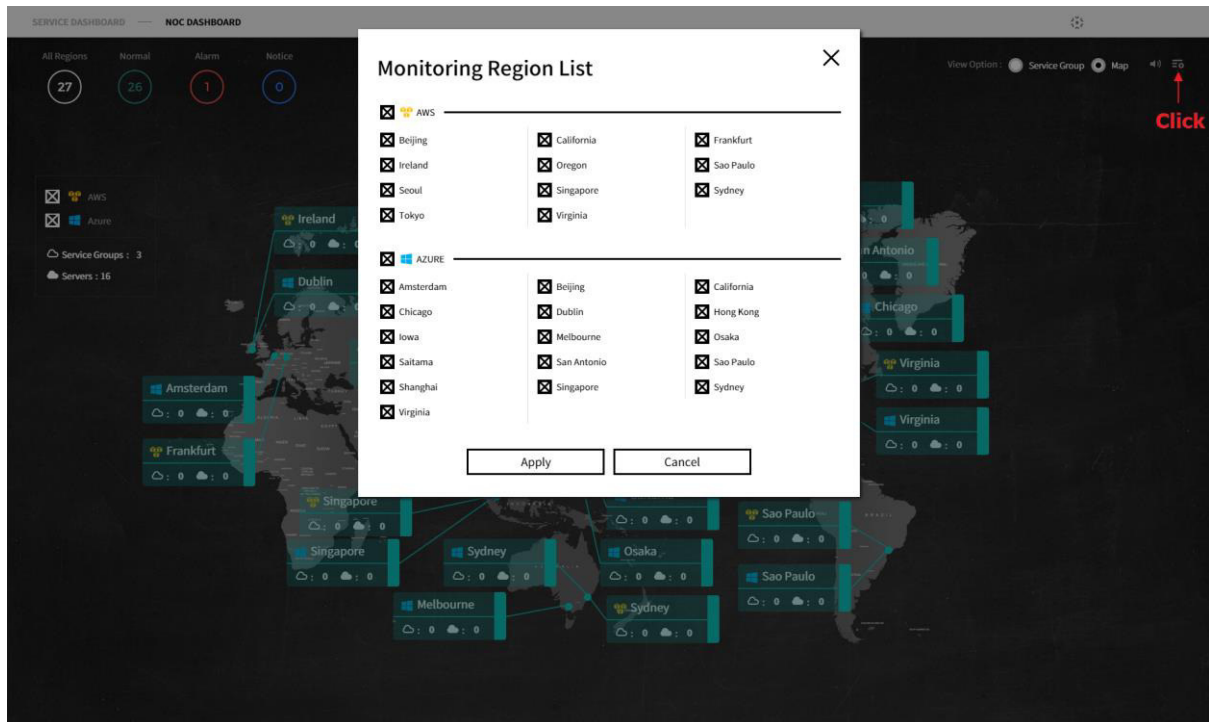
When you select the alarm, the available chart is shown depending on the alarm type when possible.



2.2.2. Monitoring Region List

Click the configuration icon and the monitoring region list pop-up appears.

You can select the regions to be shown on the Dashboard by checking the checkboxes.



3. Administrator

3.1. User Management

3.1.1. User Setting

Search monitoring dashboard's user information or set roles in user setting.

Monitoring Dashboard > Administrator > User Setting

SERVICE DASHBOARD — NDC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NDC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Language

Batch Monitoring

Overview

History

User Setting

NUM	USER NAME	APPROVAL SERVICE GROUP	GROUP COUNT
1	msc@mping.net		0
2	msc@mping.net		0
3	msc@mping.net		0
4	msc@mping.net		0
5	msc@mping.net		0
6	msc@mping.net		0
7	msc@mping.net		0
8	msc@mping.net		0
9	msc@mping.net		0
10	msc@mping.net		0
11	msc@mping.net		0
12	msc@mping.net		0
13	msc@mping.net		0

1 of 5

SEARCH

Approval Service Group(0 / 0)

USER SERVICE SELECTION

☐

☐

Apply

3.1.1.1. Approval Service Group

Set the services the selected users from the list can access by checking the checkboxes.

Approval Service Group(0 / 0)

USER SERVICE SELECTION

☐

☐

3.2. Service Group Management

3.2.1. Display Service Group

Among the services set as monitoring groups in service group mapping, you can set the services to expose on Service Dashboard.

Monitoring Dashboard > Administrator > Service Group Management > Display Service Group

The screenshot shows the 'Display Service Group' configuration page. The left sidebar contains a navigation menu with the following items: Administration, User Management, User Setting, Service Group Management (highlighted), Display NOC Service Group, Service Groups, Regions, Display Global Region, Service Group Mapping, System Management, QoS Setting, Dashboard Configuration, Interval, Label, Activation, Language, Batch Monitoring, Overview, and History. The main content area is titled 'Display Service Group' and contains two panels. The 'All Service Groups' panel on the left has a table with columns 'NUM' and 'SERVICE GROUP NAME'. The 'Display Service Group' panel on the right has a table with columns 'NUM' and 'SERVICE GROUP NAME', showing four rows with checkboxes and service group names. An 'Apply' button is located at the bottom right of the page.

3.2.2. Display NOC Service Group

3.2.2.1. NOC Service Groups (Service Groups)

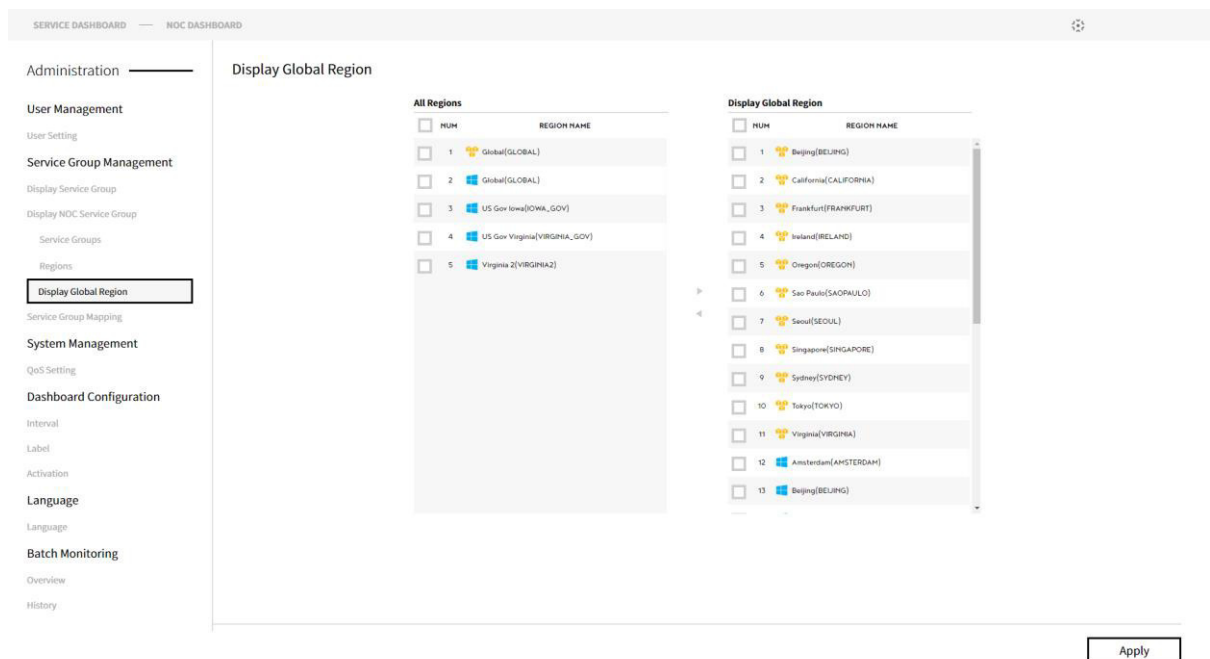
Among the services set as monitoring groups in service group mapping, you can set the services to expose on NOC Dashboard.

Monitoring Dashboard > Administrator > Service Group Management > Display NOC Service Group > Service Groups

3.2.3. Common Region List (Display Global Region)

Among the regions registered in the system, you can set the regions to be used on NOC Region List.

Monitoring Dashboard > Administrator > Service Group Management > Display Global Region



3.2.4. Service Group Mapping

Among the services registered as service groups, you can map the service groups to be used as a monitoring group.

Monitoring Dashboard > Administrator > Service Group Management > Service Group Mapping

SERVICE DASHBOARD

NOC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NDC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Batch Monitoring

Overview

History

Service Group Mapping

NUM	SERVICE GROUP NAME	MONITORING GROUP NAME
1	10	
2	10 (Slave)	
3	10 (Slave2)	
4	10 (Slave4)	
5	10 (Slave7)	
6	Test (SlaveGroup)	
7	Test (S)	

<

1

>

Apply

3.3. System Management

3.3.1. QoS Setting

You can see the details of the items registered as QoS.

Monitoring Dashboard > Administrator > System Management > QoS Setting

SERVICE DASHBOARD

NOC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NDC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Batch Monitoring

Overview

History

QoS Setting

NUM	QOS	QOS TABLE	VIEW TABLE	VS VIEW TABLE
1	QOS_APACHE_BYTESPERREQ	QOS_APACHE_BYTESPERREQ	QOS_APACHE_BYTESPERREQ	QOS_APACHE_BYTESPERREQ
2	QOS_APACHE_CLOSINGCONNECTIONPCT	QOS_APACHE_CLOSINGCONNECTIONPCT	QOS_APACHE_CLOSINGCONNECTIONPCT	QOS_APACHE_CLOSINGCONNECTIONPCT
3	QOS_APACHE_CPULOAD	QOS_APACHE_CPULOAD	QOS_APACHE_CPULOAD	QOS_APACHE_CPULOAD
4	QOS_APACHE_HTTPRETIME	QOS_APACHE_HTTPRETIME	QOS_APACHE_HTTPRETIME	QOS_APACHE_HTTPRETIME
5	QOS_APACHE_HTTPRESVALUE	QOS_APACHE_HTTPRESVALUE	QOS_APACHE_HTTPRESVALUE	QOS_APACHE_HTTPRESVALUE
6	QOS_APACHE_IDLEWORKERS	QOS_APACHE_IDLEWORKERS	QOS_APACHE_IDLEWORKERS	QOS_APACHE_IDLEWORKERS
7	QOS_APACHE_REQAVETIME	QOS_APACHE_REQAVETIME	QOS_APACHE_REQAVETIME	QOS_APACHE_REQAVETIME
8	QOS_APACHE_REQPERSEC	QOS_APACHE_REQPERSEC	QOS_APACHE_REQPERSEC	QOS_APACHE_REQPERSEC
9	QOS_APACHE_WAITINGFORCONNECTION	QOS_APACHE_WAITINGFORCONNECTION	QOS_APACHE_WAITINGFORCONNECTION	QOS_APACHE_WAITINGFORCONNECTION
10	QOS_AWS_CPU_UTILIZATION	QOS_AWS_CPU_UTILIZATION	QOS_AWS_CPU_UTILIZATION	QOS_AWS_CPU_UTILIZATION
11	QOS_AWS_DISK_READ_BYTES	QOS_AWS_DISK_READ_BYTES	QOS_AWS_DISK_READ_BYTES	QOS_AWS_DISK_READ_BYTES
12	QOS_AWS_DISK_READ_OPS	QOS_AWS_DISK_READ_OPS	QOS_AWS_DISK_READ_OPS	QOS_AWS_DISK_READ_OPS
13	QOS_AWS_DISK_WRITE_BYTES	QOS_AWS_DISK_WRITE_BYTES	QOS_AWS_DISK_WRITE_BYTES	QOS_AWS_DISK_WRITE_BYTES
14	QOS_AWS_DISK_WRITE_OPS	QOS_AWS_DISK_WRITE_OPS	QOS_AWS_DISK_WRITE_OPS	QOS_AWS_DISK_WRITE_OPS

Apply

3.4. Dashboard Configuration

3.4.1. Interval

Set the cycle of dashboard items on Interval pane.

Monitoring Dashboard > Administrator > Dashboard Configuration > Interval

SERVICE DASHBOARD — NOC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NOC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Language

Batch Monitoring

Overview

History

Interval

Service Dashboard

+ Add Item

NUM	ITEM	INTERVAL	DESCRIPTION
1	Data_Auto_Refreshing	60 sec	PL Dashboard Auto Refresh Interval
2	Data_Filtering_1Hour	0 per 1	Summary 1Hour Chart View Filtering Data(O is disuse)
3	Data_Filtering_3Hour	0 per 1	Summary 3Hour Chart View Filtering Data(O is disuse)
4	Data_Filtering_6Hour	0 per 1	Summary 6Hour Chart View Filtering Data(O is disuse)
5	Data_Filtering_9Hour	50 per 1	Summary 9Hour Chart View Filtering Data(O is disuse)
6	Data_Filtering_12Hour	10 per 1	Summary 12Hour Chart View Filtering Data(O is disuse)
7	Data_Filtering_24Hour	10 per 1	Summary 24Hour Chart View Filtering Data(O is disuse)
8	Data_Filtering_48Hour	5 per 1	Summary 48Hour Chart View Filtering Data(O is disuse)
9	Data_Filtering_72Hour	5 per 1	Summary 72Hour Chart View Filtering Data(O is disuse)
10	Data_Down_Sampling_1Hour	0 min	Summary 1Hour Chart View Sampling Range(O is disuse)
11	Data_Down_Sampling_3Hour	0 min	Summary 3Hour Chart View Sampling Range(O is disuse)
12	Data_Down_Sampling_6Hour	0 min	Summary 6Hour Chart View Sampling Range(O is disuse)
13	Data_Down_Sampling_9Hour	1 min	Summary 9Hour Chart View Sampling Range(O is disuse)
14	Data_Down_Sampling_12Hour	2 min	Summary 12Hour Chart View Sampling Range(O is disuse)

Apply

3.4.2. Label

Manage words and phrases that are used on Dashboard on Label pane.

Monitoring Dashboard > Administrator > Dashboard Configuration > Label

Set the language to use on Monitoring Dashboard.

Monitoring Dashboard > Administrator > Language > Language

SERVICE DASHBOARD — NOC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NOC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Batch Monitoring

Overview

History

Language

+ Add Language

CODE	LANGUAGE		USAGE
1	English	<input checked="" type="checkbox"/>	NOC/Service Dashboard
2	Русский язык	<input checked="" type="checkbox"/>	NOC/Service Dashboard
3	简体中文	<input checked="" type="checkbox"/>	NOC/Service Dashboard

Language

Apply

3.6. Batch Monitoring

3.6.1. Overview

Shows the current batch summary details.

Monitoring Dashboard > Administrator > Batch Monitoring > Overview

SERVICE DASHBOARD — NDC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NDC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Language

Batch Monitoring

Overview

History

Overview

SERVER	JOB	SCHEDULE	JOB RESULT	RUNNING TIME	LAST DURATION	TYPE	STEP	STEP RESULT	EXECUED TIME(UTC)	END TIME(UTC)
MD_BATCH	infraStatusJob	0 5/10 * * * ?	COMPLETED	19s	5s	STEP	collectAwsInfraStatus	COMPLETED	2017-06-20 06:45:00	2017-06-20 06:45:00
							collectAwsChinaInfraStatus	COMPLETED	2017-06-20 06:45:01	2017-06-20 06:45:02
							collectAzureInfraStatus	COMPLETED	2017-06-20 06:45:02	2017-06-20 06:45:03
							collectAzureChinaInfraStatus	COMPLETED	2017-06-20 06:45:03	2017-06-20 06:45:05
							noticeInfraStatusStep	COMPLETED	2017-06-20 06:45:05	2017-06-20 06:45:05
							currentInfraStatusStep	COMPLETED	2017-06-20 06:45:05	2017-06-20 06:45:05
	portalServiceSyncJob	0 0 * * * ?	COMPLETED	2s	2s	STEP	portalCustomerSyncStep	COMPLETED	2017-06-20 06:00:00	2017-06-20 06:00:00
							portalServiceGroupSyncStep	COMPLETED	2017-06-20 06:00:00	2017-06-20 06:00:01
							itsServiceGroupSyncStep	COMPLETED	2017-06-20 06:00:01	2017-06-20 06:00:02

3.6.2. History

Shows the history of the current batch in execution.

Monitoring Dashboard > Administrator > Batch Monitoring > History

SERVICE DASHBOARD — NDC DASHBOARD

Administration

User Management

User Setting

Service Group Management

Display Service Group

Display NDC Service Group

Service Groups

Regions

Display Global Region

Service Group Mapping

System Management

QoS Setting

Dashboard Configuration

Interval

Label

Activation

Language

Language

Batch Monitoring

Overview

History

History

Select Job

SERVER	JOB
MD_BATCH	infraStatusJob
MD_BATCH	portalServiceSyncJob

Job Information

Schedule : 0 5/10 * * * ?

Step
collectAwsInfraStatus (avg. 0s)
collectAwsChinaInfraStatus (avg. 13s)
collectAzureInfraStatus (avg. 1s)
collectAzureChinaInfraStatus (avg. 2s)
noticeInfraStatusStep (avg. 0s)
currentInfraStatusStep (avg. 0s)

History - MD Batch

Steps(All)

Results(All)

JOB EXECUTED ID	JOB PARAMETER	EXECUED TIME(UTC)	END TIME(UTC)	LAST DURATION	STEP	STEP RESULT	MANAGEMENT
25038	-	2017-06-20 06:45:00	2017-06-20 06:45:00	0s	collectAwsInfraStatus	COMPLETED	
		2017-06-20 06:45:01	2017-06-20 06:45:02	1s	collectAwsChinaInfraStatus	COMPLETED	
		2017-06-20 06:45:02	2017-06-20 06:45:03	1s	collectAzureInfraStatus	COMPLETED	
		2017-06-20 06:45:03	2017-06-20 06:45:05	2s	collectAzureChinaInfraStatus	COMPLETED	
		2017-06-20 06:45:05	2017-06-20 06:45:05	0s	noticeInfraStatusStep	COMPLETED	
		2017-06-20 06:45:05	2017-06-20 06:45:05	0s	currentInfraStatusStep	COMPLETED	
25037	-	2017-06-20 06:35:00	2017-06-20 06:35:00	0s	collectAwsInfraStatus	COMPLETED	
		2017-06-20 06:35:00	2017-06-20 06:35:01	1s	collectAwsChinaInfraStatus	COMPLETED	
		2017-06-20 06:35:01	2017-06-20 06:35:03	2s	collectAzureInfraStatus	COMPLETED	
		2017-06-20 06:35:03	2017-06-20 06:35:04	1s	collectAzureChinaInfraStatus	COMPLETED	
		2017-06-20 06:35:04	2017-06-20 06:35:04	0s	noticeInfraStatusStep	COMPLETED	
		2017-06-20 06:35:04	2017-06-20 06:35:04	0s	currentInfraStatusStep	COMPLETED	
25036	-	2017-06-20 06:25:00	2017-06-20 06:25:00	0s	collectAwsInfraStatus	COMPLETED	

< 1 of 3 585 >