



KAFKA EAGLE

A EASY AND HIGH-PERFORMANCE MONITORING SYSTEM

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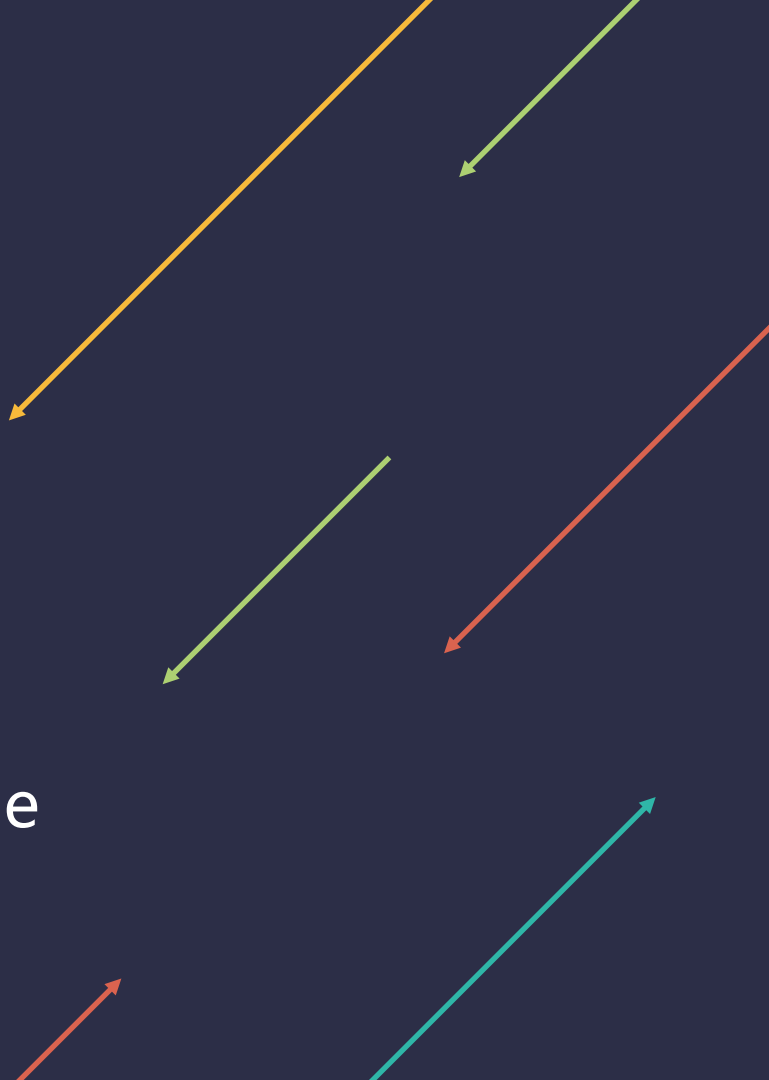
Part IV

Follow-up Planning of Kafka Eagle



Part I

The Background of Kafka Eagle



Background

01

Apache Kafka

Apache Kafka does not officially provide monitoring systems or pages.

Open Source

Open source Kafka monitoring system has too few functions or suspension of maintenance.

03

Convenience

It is difficult to configure and use the existing monitoring system.

IM Support

Some monitoring system can not satisfy integration with existing IM, such as wechat or dingding.

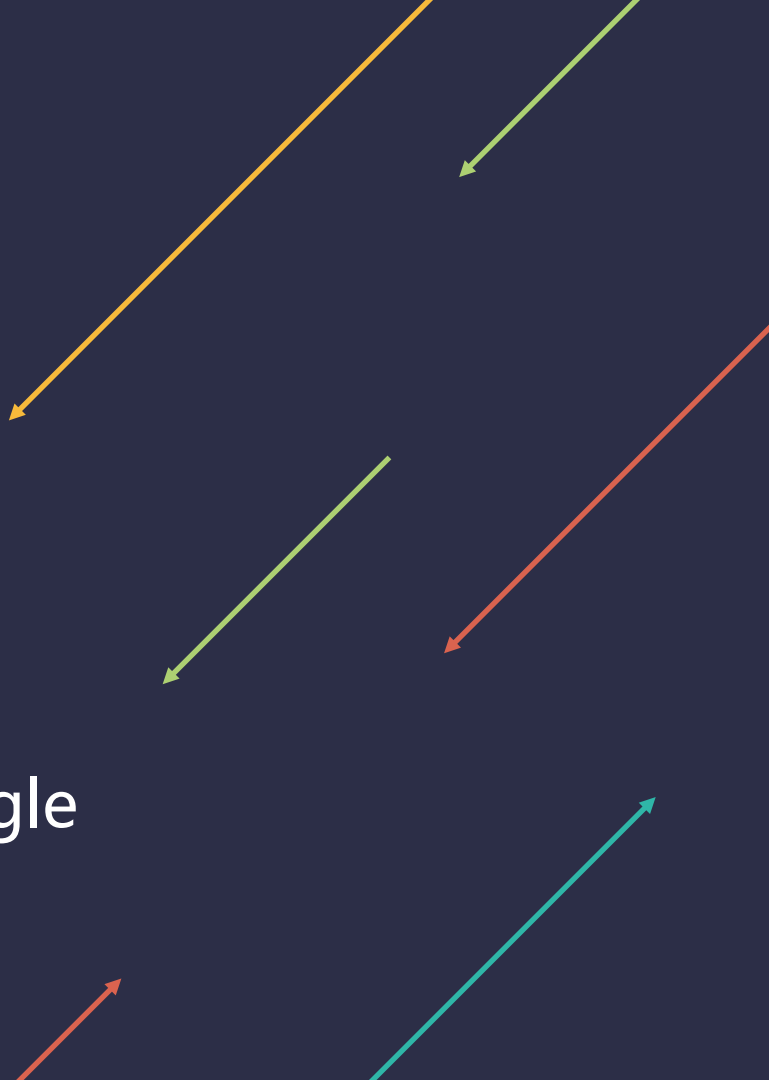
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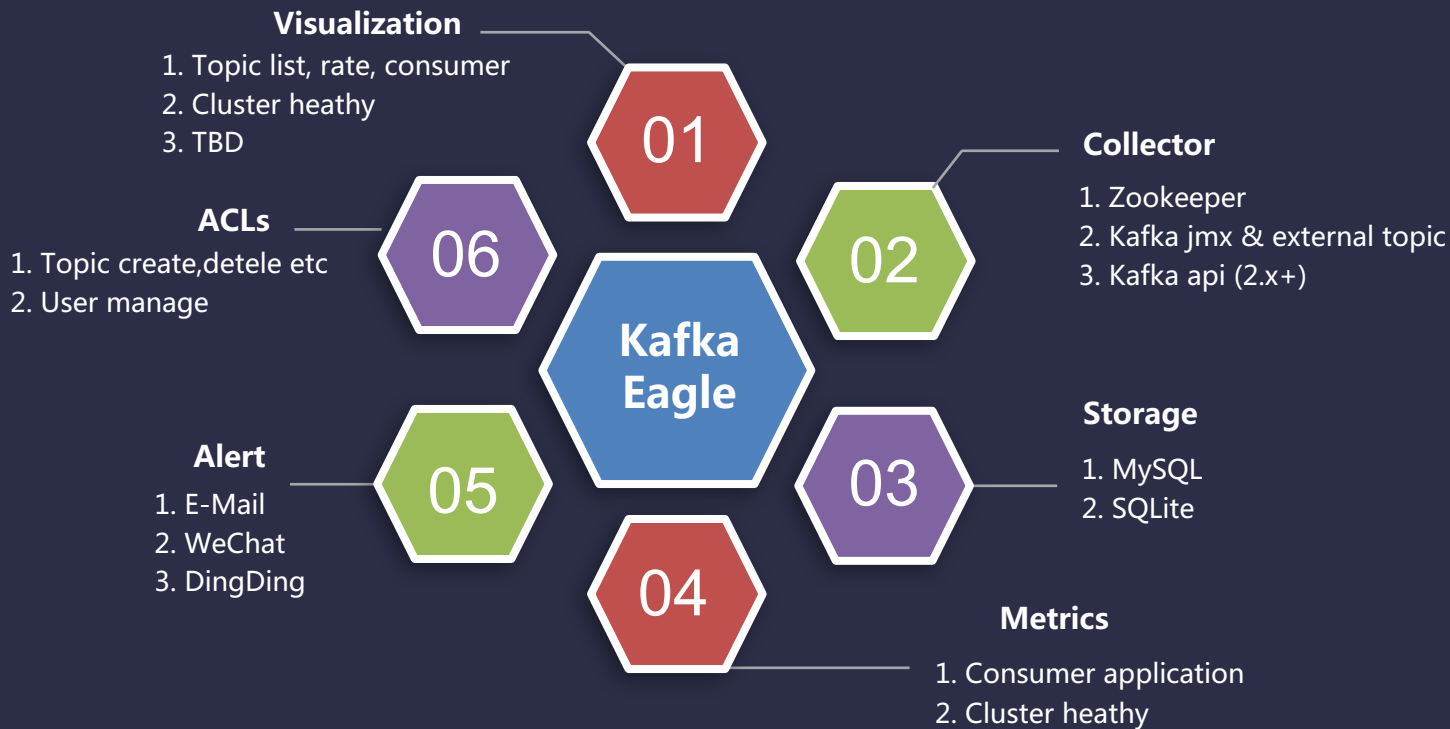


Part II

Design Architecture of Kafka Eagle



Architecture



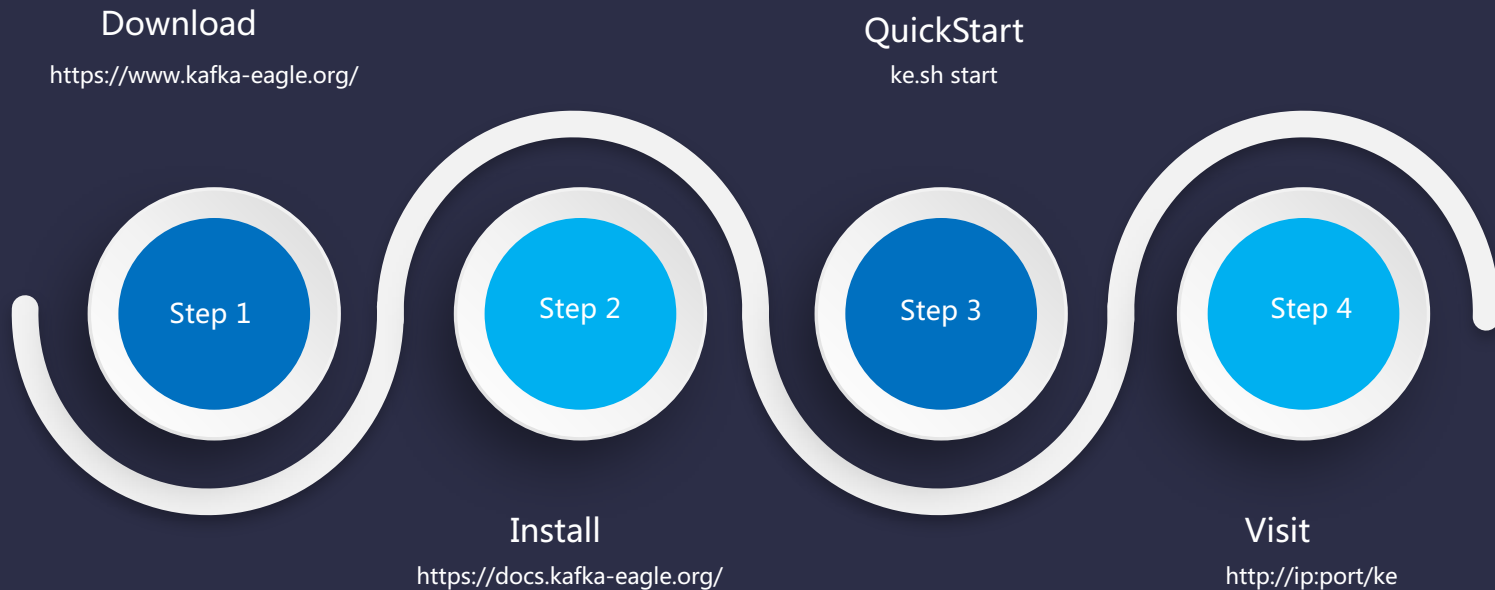


Part III

The Advantages of Kafka Eagle

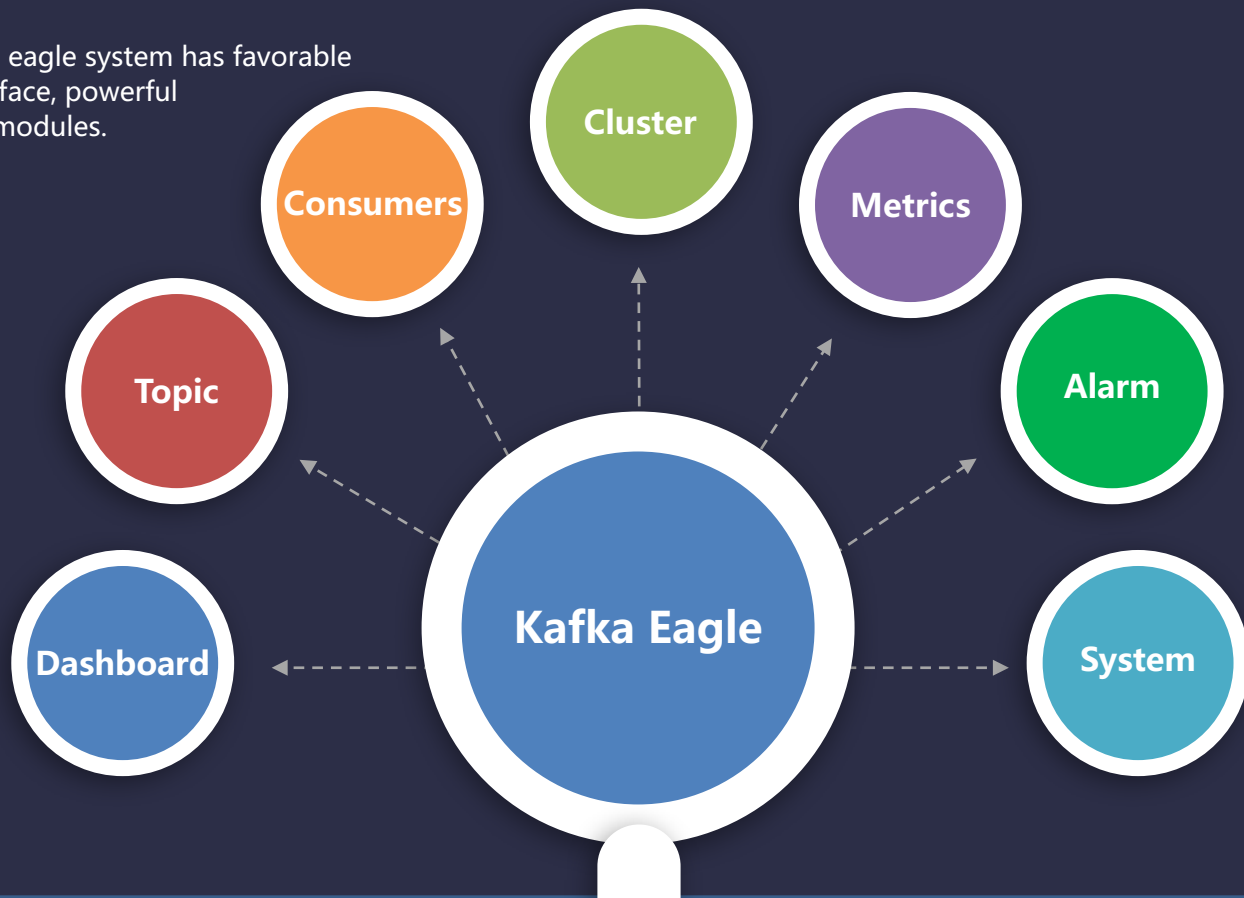


Advantages-Convenience

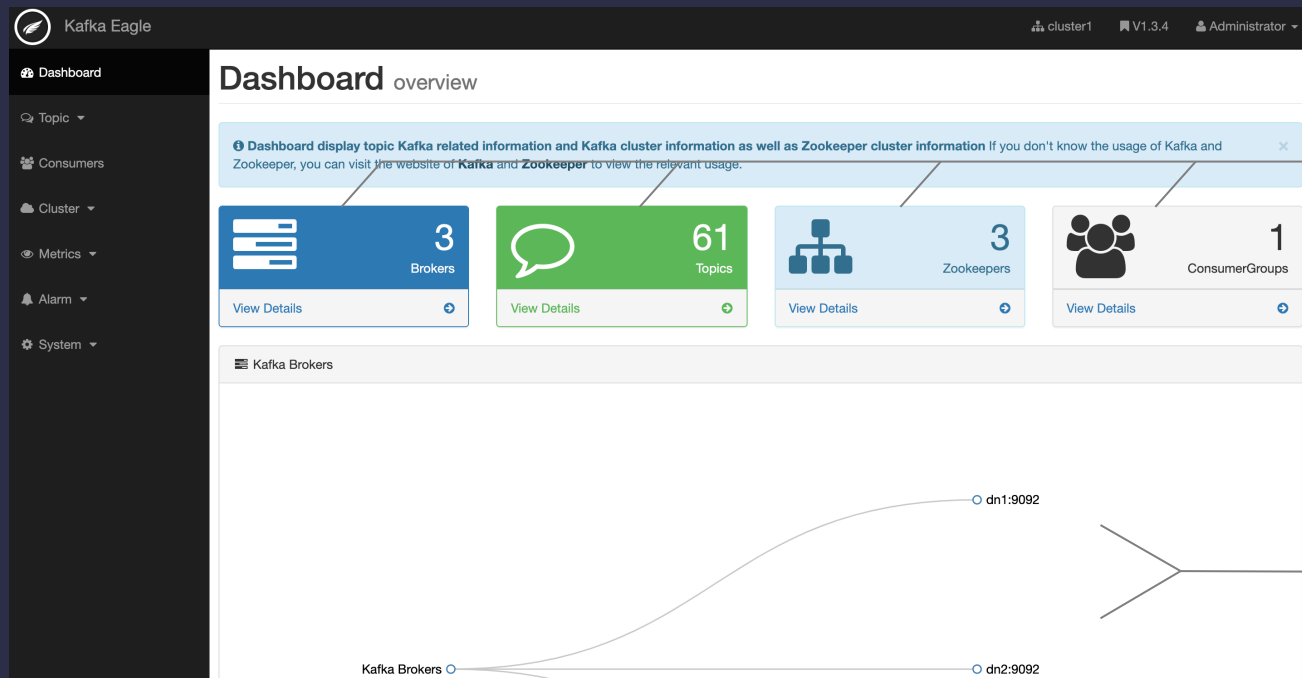


Advantages-Extensive

- The kafka eagle system has favorable user interface, powerful function modules.



Dashboard



Show the scale of clusters, themes, consumers, etc.

Show kafka cluster survival nodes.

Topic


1. Create topic.

2. List topic.

3. SQL query.

4. Mock data.

5. Config topic.

 Kafka Eagle

Dashboard

Topic ▾

Create

List

Message

Mock

Manager

Consumers

Cluster ▾

Metrics ▾

Alarm ▾

System ▾

cluster1

V1.3.4

Administrator ▾

Topic list

List all topic information. The topic size actually needs to be multiplied by the number of copies of the topic.

Topic List Info

Search:

ID	Topic Name	Partition Indexes	LogSize(All)	Partition Numbers	Size(All-Brokers)	Created	Modify	Operate
1	user_order3	[0, 1, 2, 3, 4, 5]	94740	6	0B	2018-04-16 07:55:15	2018-04-16 08:10:56	Remove
2	connect_status	[0, 1, 2, 3, 4, 5]	84	6	0B	2018-06-09 17:21:20	2018-06-09 17:21:20	Remove
3	flume_collector_data	[0, 1, 2, 3, 4, 5]	3	6	0B	2018-11-19 16:07:30	2018-11-19 16:07:30	Remove
4	kv_new_tt	[0]	0	1	0B	2018-10-28 17:35:52	2018-10-28 17:35:52	Remove
5	test_topic_ser_des	[0]	3	1	0B	2018-05-06 14:36:49	2018-05-06 14:36:49	Remove
6	ke_p3_r1	[0, 1, 2]	0	3	0B	2019-05-20 01:34:04	2019-05-20 01:34:04	Remove
7	tv_21	[0]	662	1	65.10KB	2018-12-25 12:19:30	2018-12-25 12:19:30	Remove
8	ke_p3_r2	[0, 1, 2]	0	3	0B	2019-05-20 01:34:18	2019-05-20 01:34:18	Remove
9	ip_login	[11, 12, 1...	0	18	0B	2018-04-15 21:01:30	2018-05-13 16:45:35	Remove
10	ke_p3_r3	[0, 1, 2, 3]	0	4	0B	2019-05-20 01:35:38	2019-05-20 01:35:38	Remove

Showing 1 to 10 of 61 entries

Previous

1

2

3

4

5

6

7

Next

Consumers

The screenshot displays the Kafka Eagle web interface. On the left is a dark sidebar with navigation links: Dashboard, Topic, Consumers (selected), Cluster, Metrics, Alarm, and System. The main content area is titled 'Consumers Info' and features a search bar. Below the search bar is a table with the following data:

ID	Group	Topics	Node	Active Numbers
1	kafka_app0	1	dn2:9092	0

Below the table, it states 'Showing 1 to 1 of 1 entries' and includes pagination controls for 'Previous', '1' (selected), and 'Next'. Underneath the table is a section titled 'Active Topic' which is currently empty. At the bottom of the interface, there is a legend for 'Active Topics' and a label 'kafka_app0'.

Display consumer group application details.


Display consumer active topics details.

Cluster

1. Show details.

2. Multi-cluster.

3. ZK client.

 Kafka Eagle

cluster1

V1.3.4

Administrator

Dashboard

Topic

Consumers

Cluster

ZK & Kafka

Multi-Clusters

ZkCli

Metrics

Alarm

System

Kafka Cluster Info

Search:

ID	IP	Port	JMX Port	Created	Modify	Version
1	dn1	9092	9999	2019-07-14 15:27:13	2019-07-14 15:27:13	2.2.0
2	dn2	9092	9999	2019-07-14 15:27:13	2019-07-14 15:27:13	2.2.0
3	dn3	9092	9999	2019-07-14 15:27:14	2019-07-14 15:27:14	2.2.0

Showing 1 to 3 of 3 entries

Previous1Next

Zookeeper Cluster Info

Search:

ID	IP	Port	Mode
1	dn1	2181	follower
2	dn2	2181	leader
3	dn3	2181	follower

Showing 1 to 3 of 3 entries

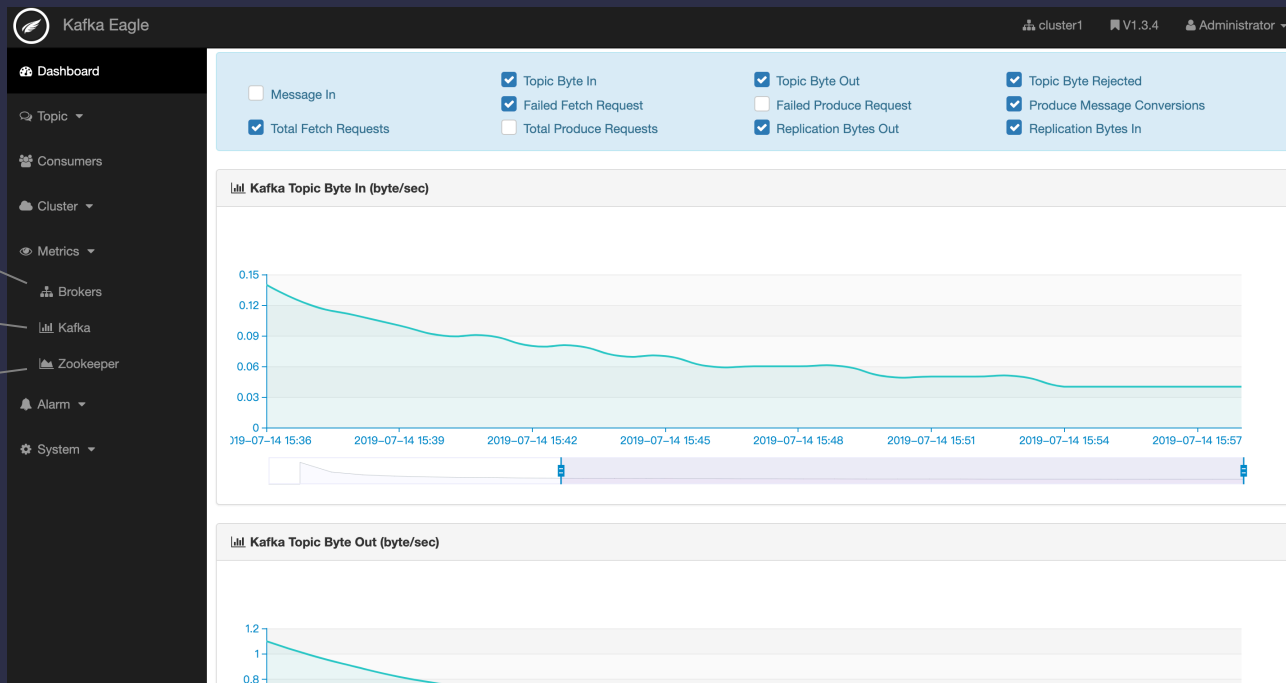
Previous1Next

Metrics

1. Broker mbean.

2. Kafka metrics.

3. ZK metrics.




Alarm

1. Add lag alarm.

2. Modify lag.

3. Add cluster.

4. Modify cluster.

 Kafka Eagle

cluster1 V1.3.4 Administrator

Dashboard

Topic

Consumers

Cluster

Metrics

Alarm

Consumer

Cluster

System

Add

Modify

Create

History

Alarm add

ⓘ Add an alert to the topic being consumed.

✕

☰ Topic Setting

Topic Group (*)

Type or click here

⌵

ⓘ Select the group you need to alarm .

Topic Name (*)

Type or click here

⌵

ⓘ Select the topic you need to alarm .

Lag Threshold (*)

1

ⓘ Setting the blocking threshold, Parameters must be numeric .

Owner Email (*)

example1@email.com ✕

ⓘ To whom the alarm topic information, Such as 'example@email.com' .


Add

System

1. Add user.

2. Assign role.

3. Manage res.

 Kafka Eagle

cluster1

V1.3.4

Administrator

Dashboard

Topic

Consumers

Cluster

Metrics

Alarm

System

User

Role

Resource

User System Manager overview

Assign roles and display to users.

User Manager

Add

Search:

RtxNo	UserName	RealName	Email	Password	Operate
1000	admin	Administrator	admin@email.com	123456	

Showing 1 to 1 of 1 entries

Previous

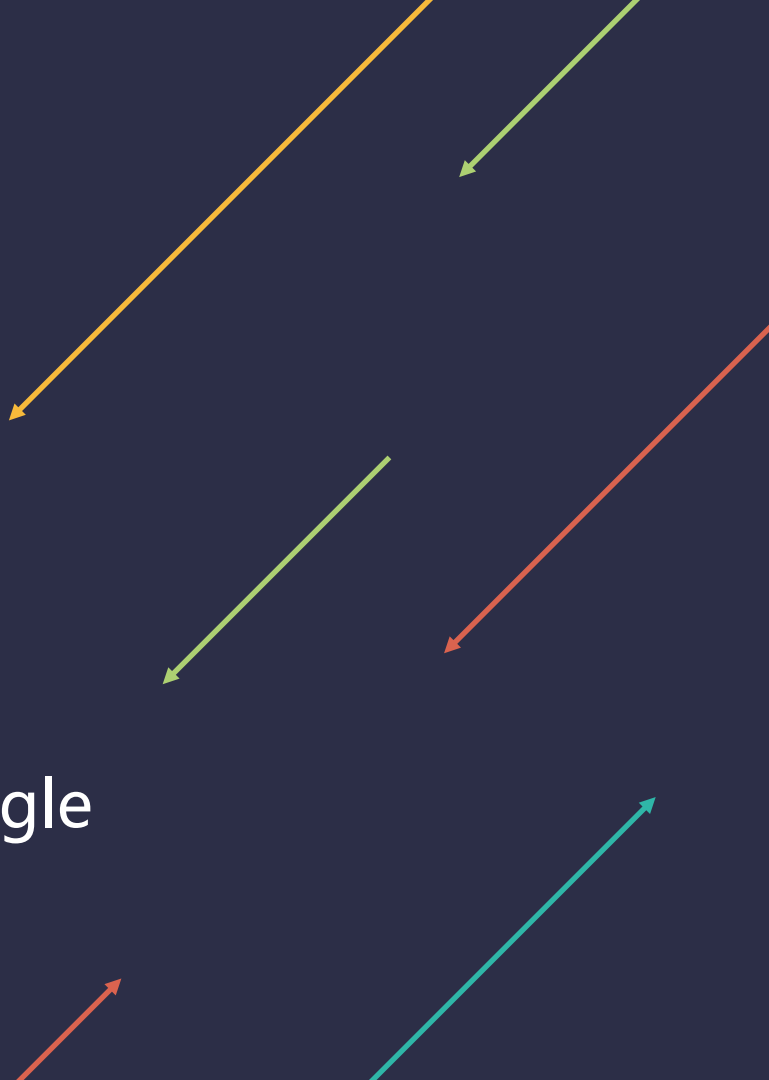
1

Next

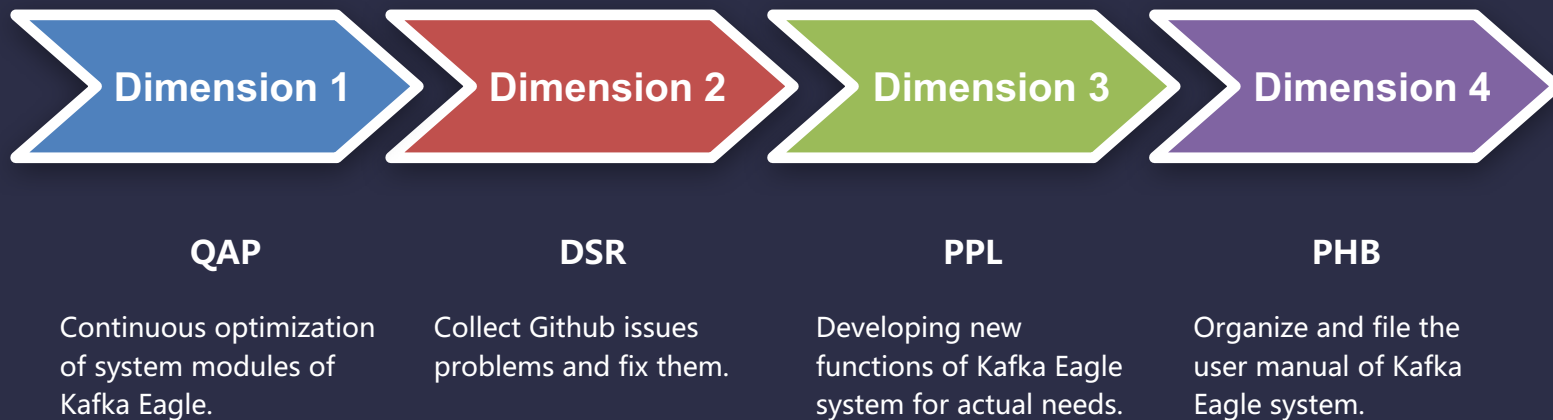


Part IV

Follow-up Planning of Kafka Eagle

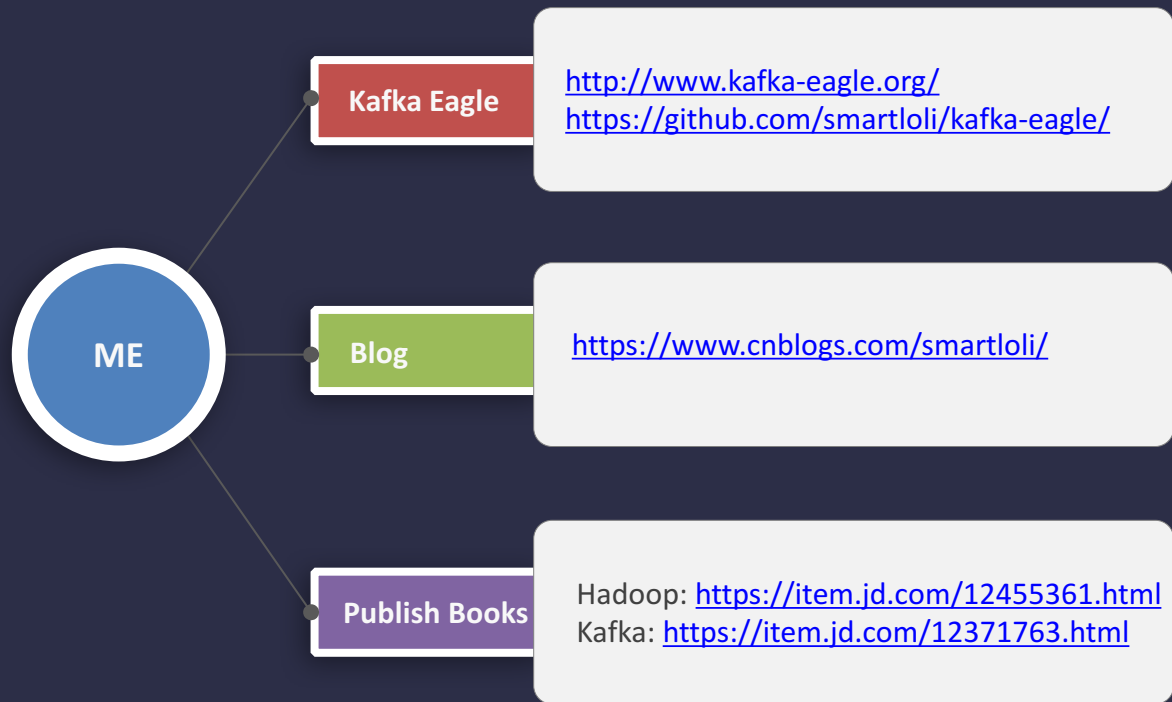


Planning



Kafka Eagle follow-up plan is divided into four dimensions.

About Me





THANK YOU FOR WATCHING

<http://www.kafka-eagle.org/>

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