



Welcome to Kubernetes Application Topology Browser

K-Atlas Browser

Search string...

```
application{*}.deployment[@name="config-service-black"]{*}.cluster{*}
```

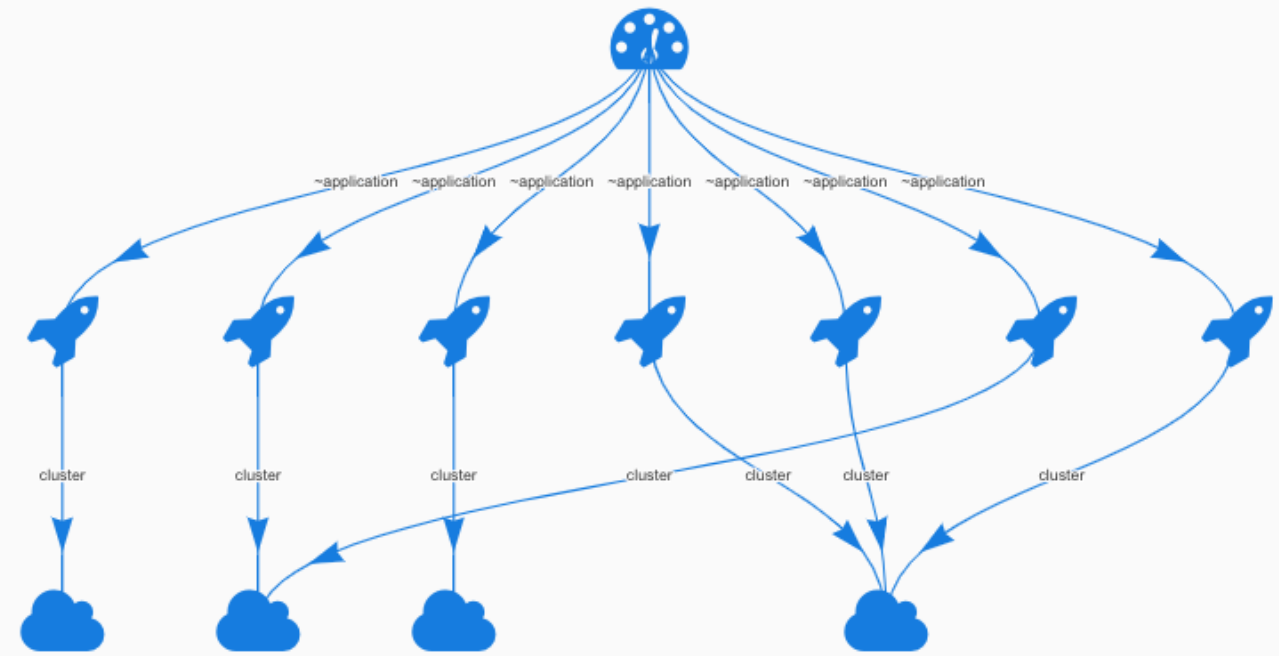
I'm Feeling Graphy!

Search



Timeline navigation: 30Dec, 31Dec2018, 01Jan2019, 02Jan, 03Jan, Yesterday, Today

Viewing data from: **NOW**



Legend

- application
- cluster
- deployment
- No Status

You may zoom and pan the graph using touch gestures or mouse.

DETAILS HISTORY

```

"root": [ 1 item
  0 : { 7 items
    "k8sobj" : string "k8sobj"
    "name" : string "config-service"
    "objtype" : string "application"
    "resourceid" :
      string "application:config-service"
    "resourceversion" : string "0"
    "uid" : string "0x24d"
    "-application" : [ 7 items
      0 : { 4 items
        "cluster" : [ 1 item
          0 : { 3 items
            "name" :
              string "paas-prod-
                west2.cluster.k8s.local"
            "objtype" : string "cluster"
            "uid" : string "0x8b"
          }
        "name" : string "config-service-black"
        "objtype" : string "deployment"
        "uid" : string "0x24e"
      }
      1 : { 4 items
        "cluster" : [ 1 item
          0 : { 3 items
            "name" :
              string "paas-preprod-
                west2.cluster.k8s.local"
            "objtype" : string "cluster"
            "uid" : string "0x98"
          }
        "name" : string "config-service-black"
        "objtype" : string "deployment"
      }
    ]
  }
]
  
```



2019
Fri, Mar 15

< MARCH 2019 >

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

[CANCEL](#) [OK](#)

5:04 AM
PM

[CANCEL](#) [OK](#)

Legend

- application
- cluster
- deployment
- No Status

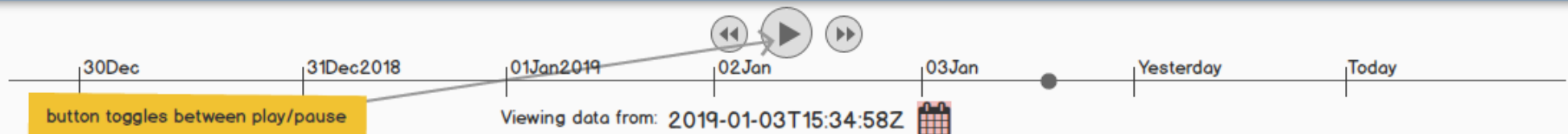
You may zoom and pan the graph using touch gestures or mouse.

DETAILS HISTORY

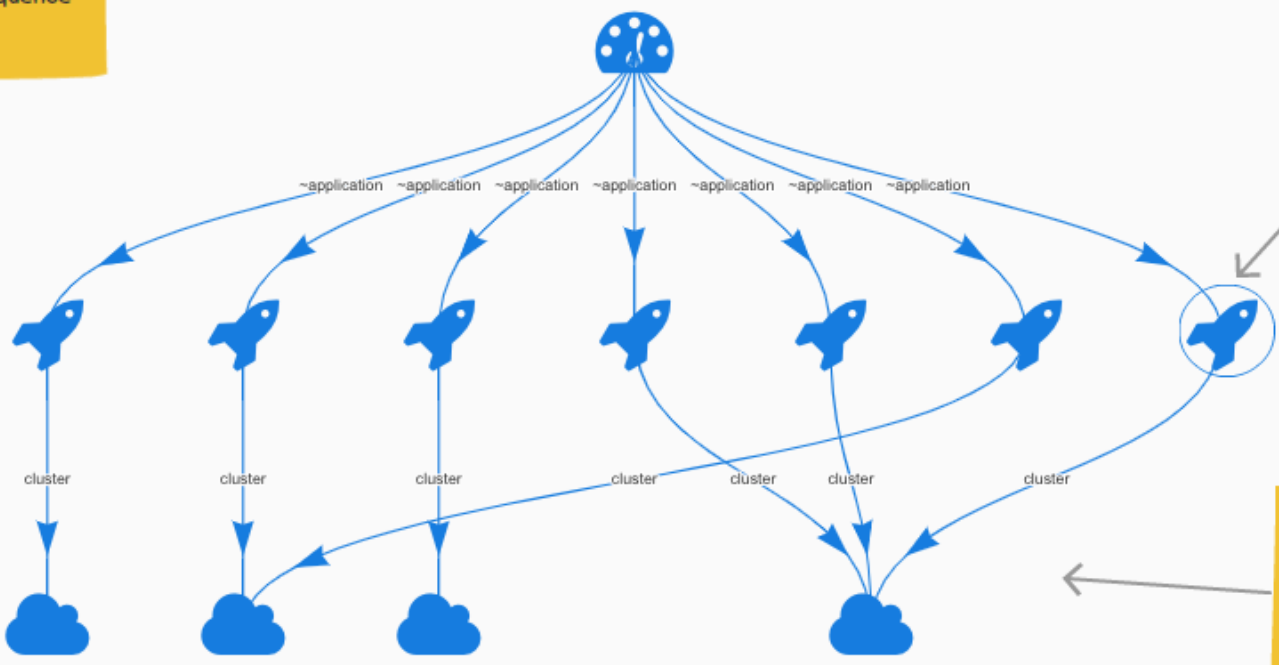
```

"root": [ 1 item
  0 : { 7 items
    "k8sobj" : string "k8sobj"
    "name" : string "config-service"
    "objtype" : string "application"
    "resourceid" :
      string "application:config-service"
    "resourceversion" : string "0"
    "uid" : string "0x24d"
    "-application": [ 7 items
      0 : { 4 items
        "cluster": [ 1 item
          0 : { 3 items
            "name" :
              string "paas-prod-
                west2.cluster.k8s.local"
            "objtype" : string "cluster"
            "uid" : string "0x8b"
          }
        "name" : string "config-service-black"
        "objtype" : string "deployment"
        "uid" : string "0x24e"
      }
      1 : { 4 items
        "cluster": [ 1 item
          0 : { 3 items
            "name" :
              string "paas-preprod-
                west2.cluster.k8s.local"
            "objtype" : string "cluster"
            "uid" : string "0x98"
          }
        "name" : string "config-service-black"
        "objtype" : string "deployment"

```



button toggles between play/pause
when playing, ~5sec per timestep represented by change sequence resp



user clicks on an entity in graph:
- icon is visually distinguished/encircled
- details view then shows data just for that entity
- history tab is now enabled

graph will animate entering/leaving nodes and edges

will persist last selected time in query param to allow for URL sharing/ deep linking

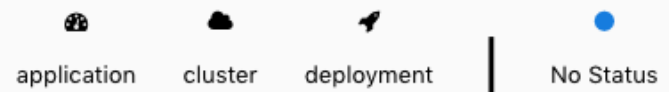
HISTORY

```

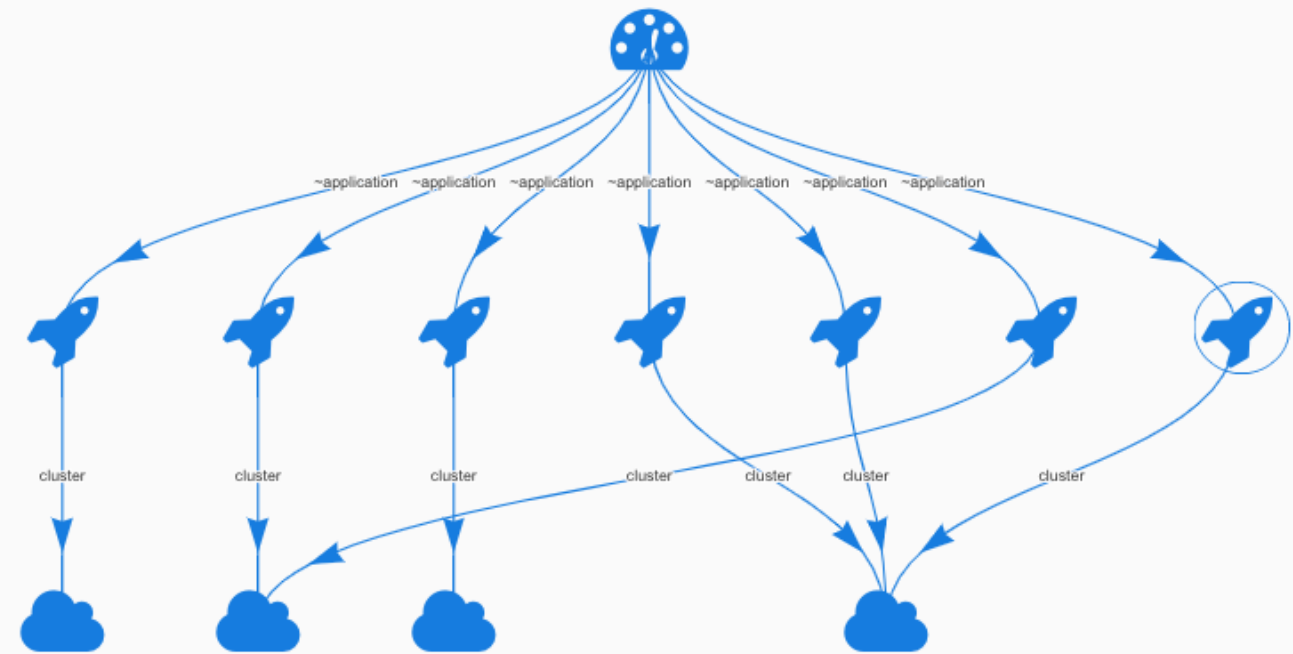
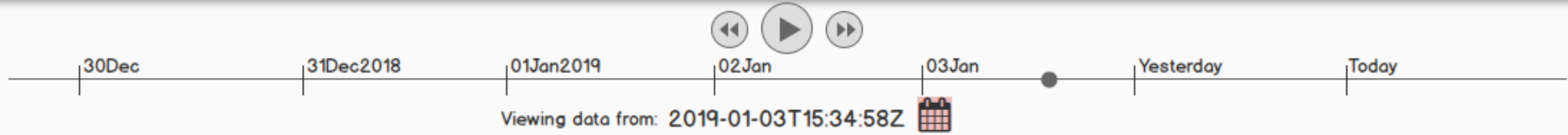
"sourceid" :
"application:config-service"
"sourceversion" : string "0"
"uid" : string "0x24d"
"application" : [ 7 items
0 : { 4 items
  "cluster" : [ 1 item
    0 : { 3 items
      "name" :
string "paas-prod-
west2.cluster.k8s.local"
      "objtype" : string "cluster"
      "uid" : string "0x8b"
    }
  ]
}
"name" : string "config-service-black"
"objtype" : string "deployment"
"uid" : string "0x24e"
}
1 : { 4 items
  "cluster" : [ 1 item
    0 : { 3 items
      "name" :
string "paas-preprod-
west2.cluster.k8s.local"
      "objtype" : string "cluster"
      "uid" : string "0x98"
    }
  ]
}
"name" : string "config-service-black"
"objtype" : string "deployment"

```

Legend



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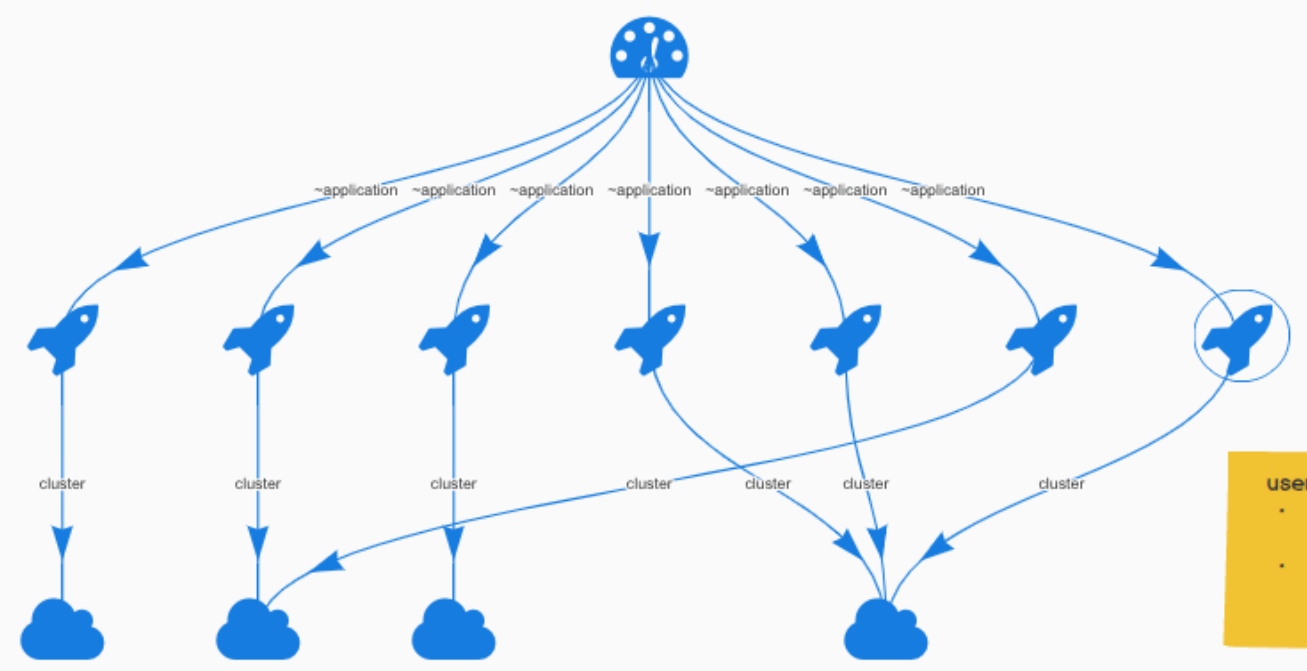
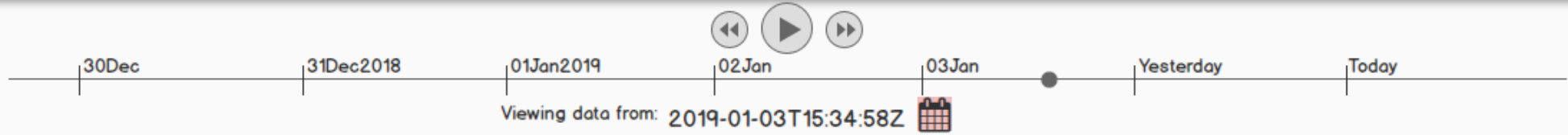
Legend

- application
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DETAILS		HISTORY
Initiator	Datetime	Time Diff
jdoe	2019-01-04T03:35:15Z	2 days
cron job	2019-01-02T03:35:00Z	6 days
dsmith	2018-12-27T03:34:58Z	12 hrs
CI/CD	2018-12-26T15:34:58Z	22 hrs
CI/CD	2018-12-25T17:34:58Z	2 hrs
jdoe	2018-12-25T15:34:58Z	6 days
jdoe	2018-12-19T15:34:58Z	1 mo
cron job	2018-11-19T15:34:58Z	3 hrs
dsmith	2018-11-19T12:34:58Z	2 secs
CI/CD	2018-11-19T12:34:56Z	4 days
CI/CD	2018-11-15T12:34:56Z	

COMPARE WITH PREVIOUS



user clicks on an entry in the history list:

- row is visually distinguished/ highlighted
- comparison button is now enabled and can be clicked to view comparison of successive changes

DETAILS		HISTORY
Initiator	Datetime	Time Diff
jdoe	2019-01-04T03:35:15Z	2 days
cron job	2019-01-02T03:35:00Z	6 days
dsmith	2018-12-27T03:34:58Z	12 hrs
CI/CD	2018-12-26T15:34:58Z	22 hrs
CI/CD	2018-12-25T17:34:58Z	2 hrs
jdoe	2018-12-25T15:34:58Z	6 days
jdoe	2018-12-19T15:34:58Z	1 mo
cron job	2018-11-19T15:34:58Z	3 hrs
dsmith	2018-11-19T12:34:58Z	2 secs
CI/CD	2018-11-19T12:34:56Z	4 days
CI/CD	2018-11-15T12:34:56Z	

COMPARE WITH PREVIOUS

Legend

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2019-02-19T15:34:58Z

Entity: 0x1234

2019-02-27T03:35:00Z

```

1 [
2   {
3     "k8sobj": "k8sobj",
4     "name": "config-service",
5     "objtype": "application",
6     "resourceid": "application:config-service",
7     "resourceversion": "0",
8     "uid": "0x24d",
9     "-application": [
10      {
11        "availablereplicas": 1,
12        "cluster": [
13          {
14            "k8sobj": "k8sobj",
15            "name": "paas-preprod-west2.cluster.k8s.local",
16            "objtype": "cluster",
17            "resourceid": "cluster:paas-preprod-west2.cluster.k8s.local",
18            "resourceversion": "0",
19            "uid": "0x98"
20          }
21        ],
22        "creationtime": "2018-12-20T22:59:05Z",
23        "k8sobj": "k8sobj",
24        "labels": "{\"app\":\"config-service\",\"applications.argoproj.io/app-name\":\"services-config-configserver-usw2-ppd-e2e\",\"chart\":\"config-service-0.1.0\",\"heritage\":\"Tiller\",\"release\":\"services-config-configserver-usw2-ppd-e2e\",\"role\":\"black\"}",

```

```

1 [
2   {
3     "k8sobj": "k8sobj",
4     "name": "config-service-bak",
5     "objtype": "application",
6     "resourceid": "application:config-service",
7     "resourceversion": "0",
8     "uid": "0x29d",
9     "-application": [
10      {
11        "availablereplicas": 1,
12        "cluster": [
13          {
14            "k8sobj": "k8sobj",
15            "name": "paas-prod-west2.cluster.k8s.local",
16            "objtype": "cluster",
17            "resourceid": "cluster:paas-prod-west2.cluster.k8s.local",
18            "resourceversion": "0",
19            "uid": "0xdeadbeef"
20          }
21        ],
22        "creationtime": "2018-12-20T22:59:05Z",
23        "k8sobj": "k8sobj",
24        "labels": "{\"app\":\"config-service\",\"applications.argoproj.io/app-name\":\"services-config-configserver-usw2-ppd-e2e\",\"chart\":\"config-service-0.1.0\",\"heritage\":\"Tiller\",\"release\":\"services-config-configserver-usw2-ppd-e2e\",\"role\":\"black\"}",

```