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## Operations

### Monitoring Dashboards API

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Learn about Cloud Monitoring API used to create dashboards, update existing dashboards or delete dashboards.

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The Cloud Monitoring API provides a resource called `projects.dashboards` which offers a familiar set of methods: create, delete, get, list, and patch.

#### Create

POST `https://monitoring.googleapis.com/v1/{parent}/dashboards`

#### Delete

DELETE `https://monitoring.googleapis.com/v1/{name}`

#### GET

GET `https://monitoring.googleapis.com/v1/{name}`

#### List

GET `https://monitoring.googleapis.com/v1/{parent}/dashboards`

#### Patch

PATCH `https://monitoring.googleapis.com/v1/{dashboard.name}`

Here is an example:

`https://content-monitoring.googleapis.com/v1/projects//dashboards`

**Errors in Logs Dashboard:** Using this example, you can find errors in logs.

```
{
  "category": "CUSTOM",
  "displayName": "Errors in Logs Dashboard",
  "mosaicLayout": {
    "columns": 12,
    "tiles": [
```

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```

{
  "height": 4,
  "widget": {
    "alertChart": {
      "name": "projects//alertPolicies/1502724684856373513"
    }
  },
  "width": 6,
  "xPos": 0,
  "yPos": 0
},
{
  "height": 4,
  "widget": {
    "title": "logging/user/Kubernetes-container-error-logs [SUM]",
    "xyChart": {
      "chartOptions": {
        "mode": "COLOR"
      },
      "dataSets": [
        {
          "minAlignmentPeriod": "60s",
          "plotType": "STACKED_BAR",
          "targetAxis": "Y1",
          "timeSeriesQuery": {
            "apiSource": "DEFAULT_CLOUD",
            "timeSeriesFilter": {
              "aggregation": {
                "alignmentPeriod": "60s",
                "crossSeriesReducer": "REDUCE_NONE",
                "perSeriesAligner": "ALIGN_RATE"
              },
              "filter": "metric.type=\\\"logging.googleapis.com/user/Kubernetes-container-
error-logs\\\" resource.type=\\\"k8s_container\\\"",
              "secondaryAggregation": {
                "alignmentPeriod": "60s",
                "crossSeriesReducer": "REDUCE_SUM",
                "groupByFields": [
                  "resource.label.\\\"pod_name\\\"\"
                ],
                "perSeriesAligner": "ALIGN_NONE"
              }
            }
          }
        }
      ],
      "timeshiftDuration": "0s",
      "yAxis": {
        "label": "y1Axis",
        "scale": "LINEAR"
      }
    }
  },
  "width": 6,
  "xPos": 6,
  "yPos": 0
},
{
  "height": 4,
  "widget": {
    "timeSeriesTable": {
      "dataSets": [
        {

```

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```

        "minAlignmentPeriod": "60s",
        "tableDisplayOptions": {},
        "timeSeriesQuery": {
            "timeSeriesFilter": {
                "aggregation": {
                    "alignmentPeriod": "60s",
                    "crossSeriesReducer": "REDUCE_NONE",
                    "perSeriesAligner": "ALIGN_RATE"
                },
                "filter": "metric.type=logging.googleapis.com/user/Kubernetes-container-
error-logs\" resource.type=k8s_container\" resource.label.namespace_name!=kube-
system\"",
                "secondaryAggregation": {
                    "alignmentPeriod": "60s",
                    "crossSeriesReducer": "REDUCE_MAX",
                    "groupByFields": [
                        "resource.label.pod_name"
                    ],
                    "perSeriesAligner": "ALIGN_MAX"
                }
            }
        }
    ],
    "title": "logging/user/Kubernetes-container-error-logs (filtered) [99TH PERCENTILE]"
},
"width": 6,
"xPos": 0,
"yPos": 4
}
]
}
}
}

```

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