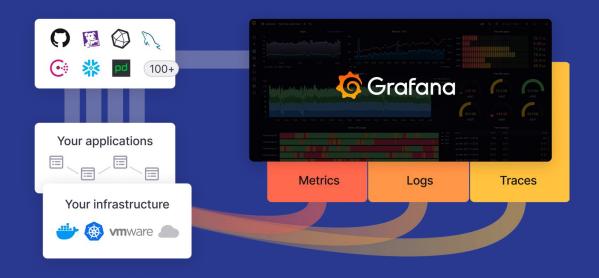
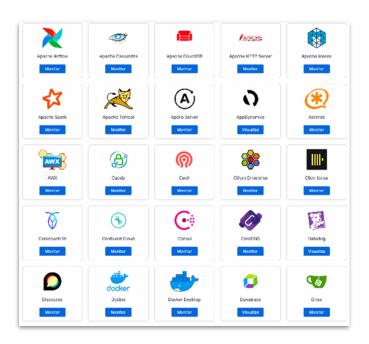
Grafana

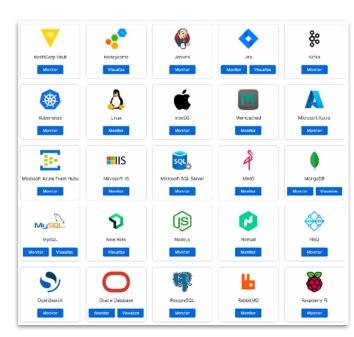
串聯上百種數據的可視化平台



使用 Grafana 統一您的數據

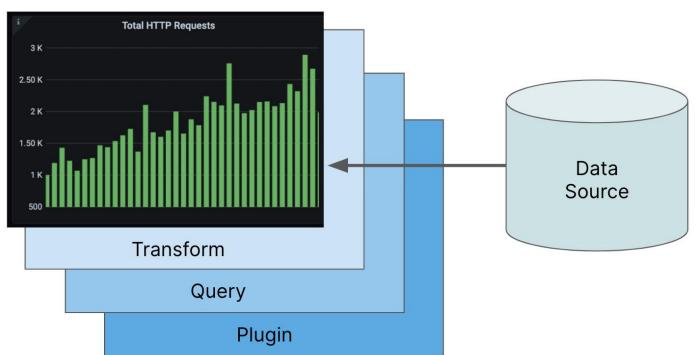
提供對300 +數據源的即時訪問,包括Elasticsearch,Jira,Datadog,Splunk,InfluxDB,Oracle,MongoDB等的企業外掛程式。





Dashboard 組合架構







Panel 常用功能說明

- 1 圖表呈現樣式:例折線圖、圓餅圖、表格
- → 針對圖表整體編輯選項:標題名稱命名、連結
- 分針圖表顯示細節設定:呈現的線條粗細、透明度
- 4 針對文字顯示細節設定:單位、欄位名稱
- 5 根據圖表內部的欄位做連結定義
- 6 針對欄位值重新定義,例如 1 表示 on, 0 表示 off
- 到對欄位值高低給予不同的顏色顯示,例如閥值定義為 1000,超過 1000 顯示紅色,1000 以下顯示綠色

Q Search options

Time series

All

> Panel options

- > Tooltip
- › Legend
- > Axis
- > Standard options
 - Data links
 - Value mappings

Graph styles

> Thresholds 1

+ Add field override

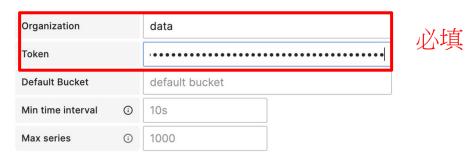
Overrides

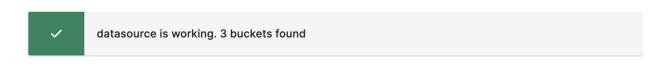
添加 InfluxDB 資料源



添加 InfluxDB 資料源

InfluxDB Details





Back

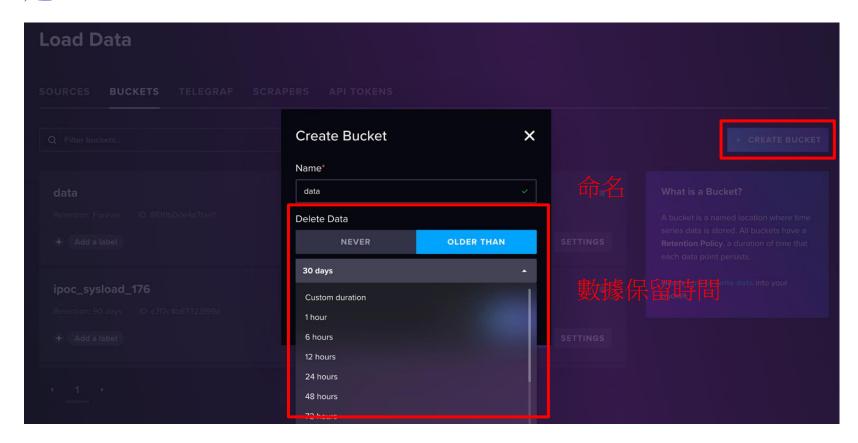
Explore

Delete

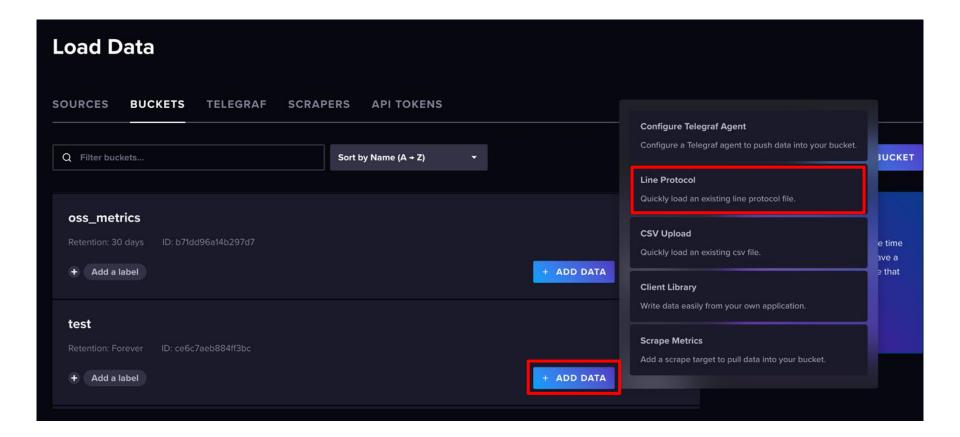
Save & test

點擊按鈕後,顯示有找到bucket的訊息 代表連接成功

建立 InfluxDB Bucket

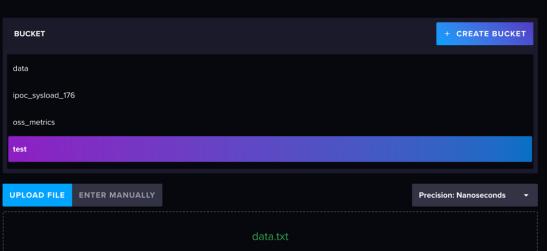


上傳數據到 InfluxDB



Line Protocol

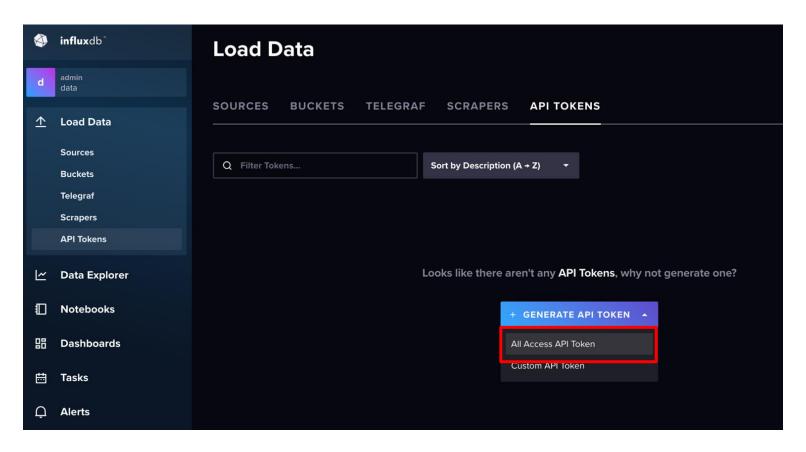




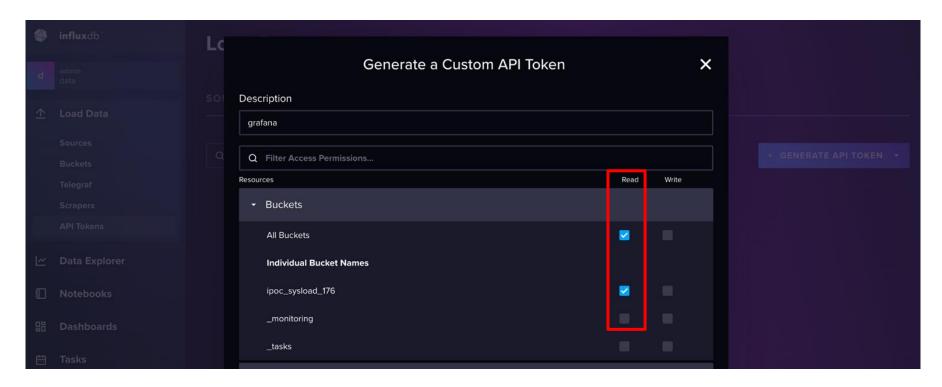


WRITE DATA CANCEL

Create InfluDB Token



Create InfluDB Token

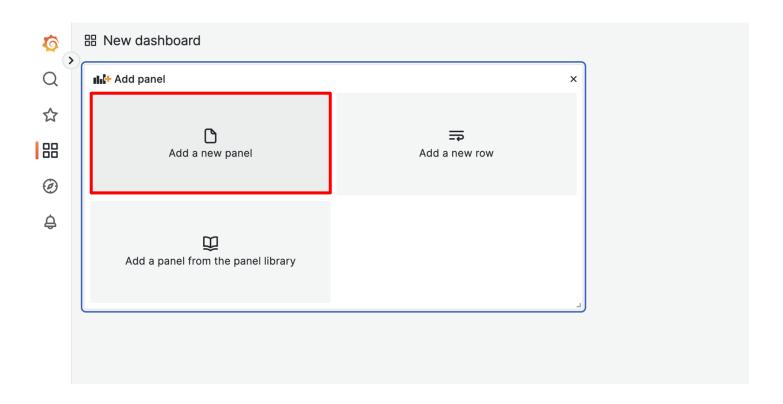


針對給grafana連接的token可以只給讀取bucket的權限

添加 Dashboard



添加 Panel



建立變數:Bucket 下拉選單

```
■ Home > Dashboards > Linux Server Moniror ☆ ペ
Bucket data > Host bimap-A > disk_name All >
```

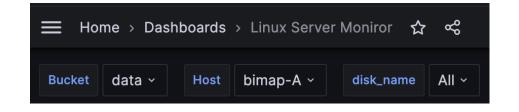
buckets()

```
|> filter(fn: (r) => r.name !~ /^_/)
```

|> rename(columns: {name: " value"})

|> keep(columns: [" value"])

建立變數:Host 下拉選單



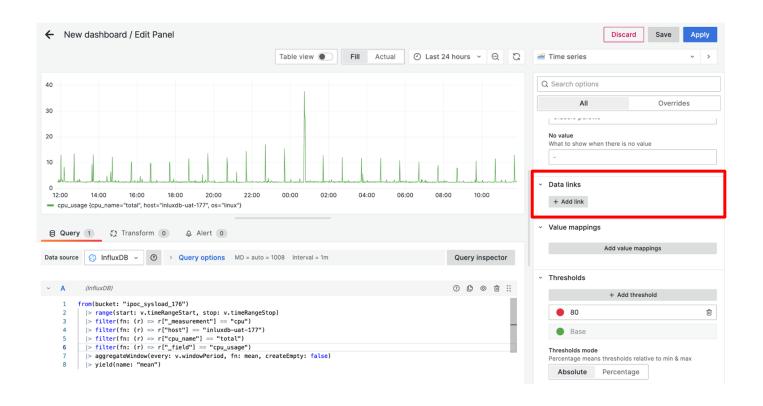
```
import "influxdata/influxdb/v1"
v1.tagValues(
bucket: "${Bucket}",
tag: "host",
predicate: (r) => true
```

建立變數: Disk_name 選單

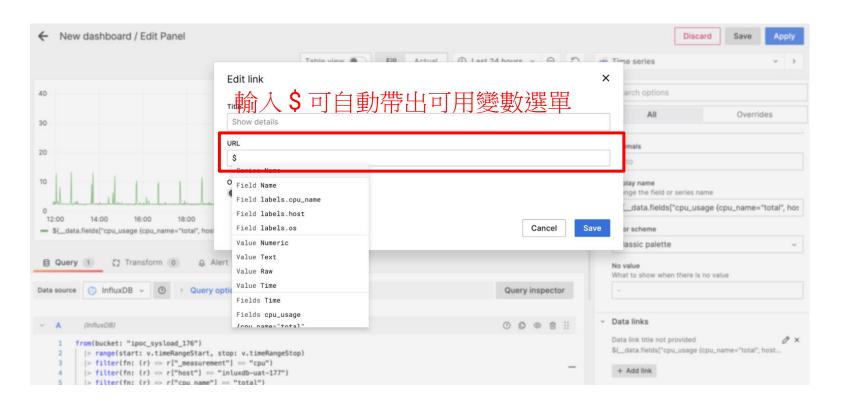
```
■ Home > Dashboards > Linux Server Moniror ☆ ペ
Bucket data > Host bimap-A > disk_name All >
```

```
import "influxdata/influxdb/schema"
   schema.tagValues(
   bucket: "${Bucket}",
   tag: "disk name",
   predicate: (r) =>
   r.host == "\${Host}",
   start: v.timeRangeStart,
   stop: v.timeRangeStop
```

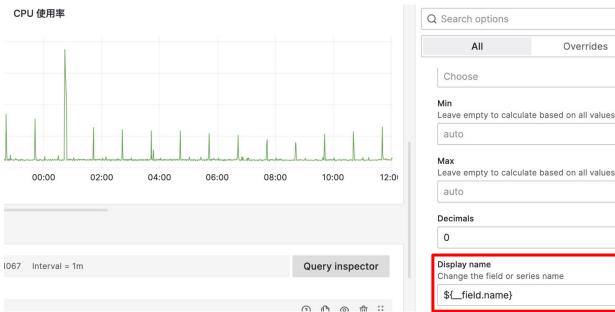
使用 Data links 帶入變數



查找變數



欄位名使用變數

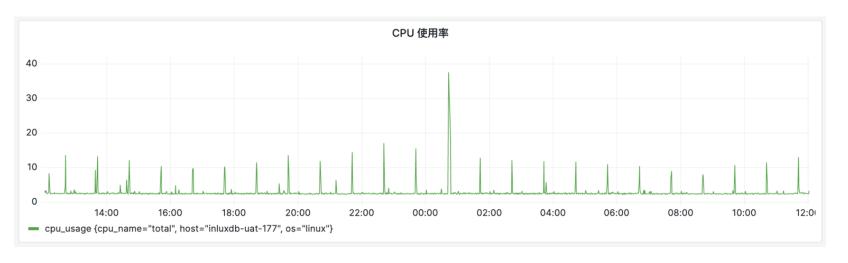


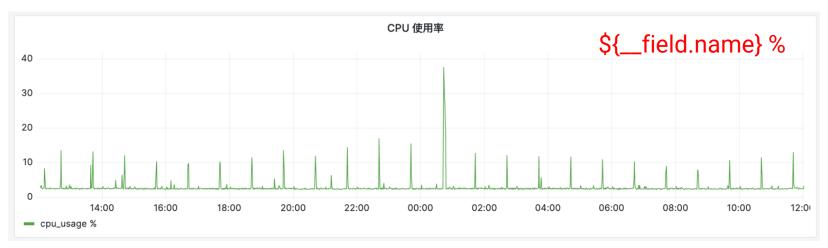
Leave empty to calculate based on all values
auto
Max
Leave empty to calculate based on all values
auto
Decimals
0
Display name
Change the field or series name
\${field.name}

Overrides

~

\${__field.name}





Before

建立儀錶板的目標是什麼?要解決什麼問題

After

需要多少說明讓別人理解你的儀錶板

儀錶板最佳實踐

X一次性儀錶板

○ 設置查詢變數

X大量複製的儀錶板

○設計分層可向下探索到下一個級別

X大量瀏覽儀錶板

○ 定義閾值與區分顏色來簡化資訊