

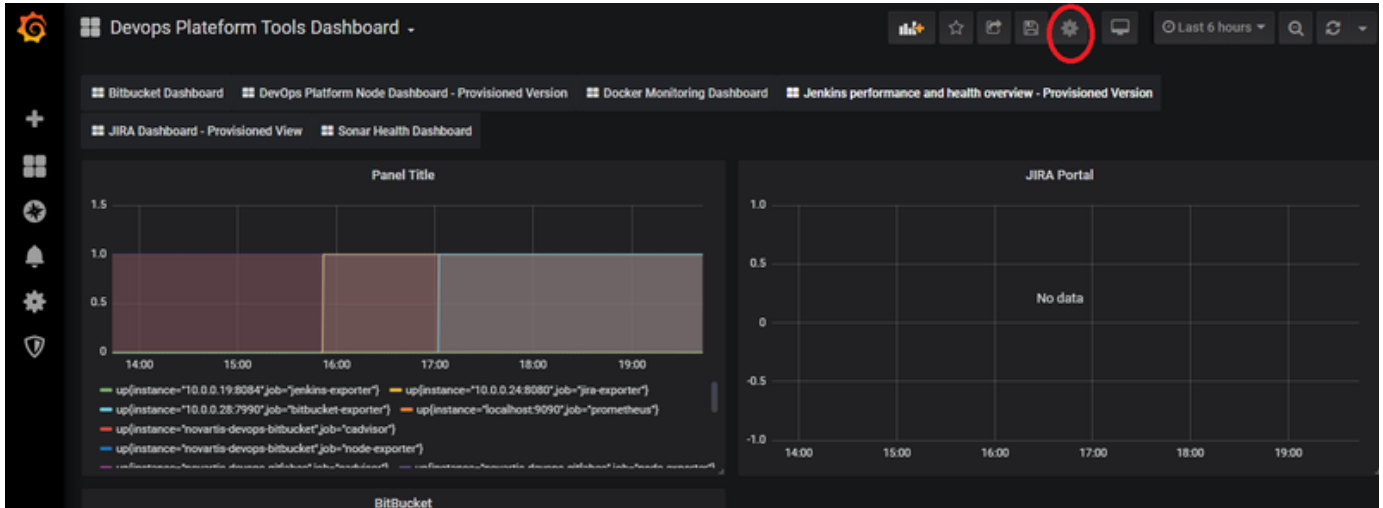
How To - Consolidate Dashboards in Grafana

1. Introduction -

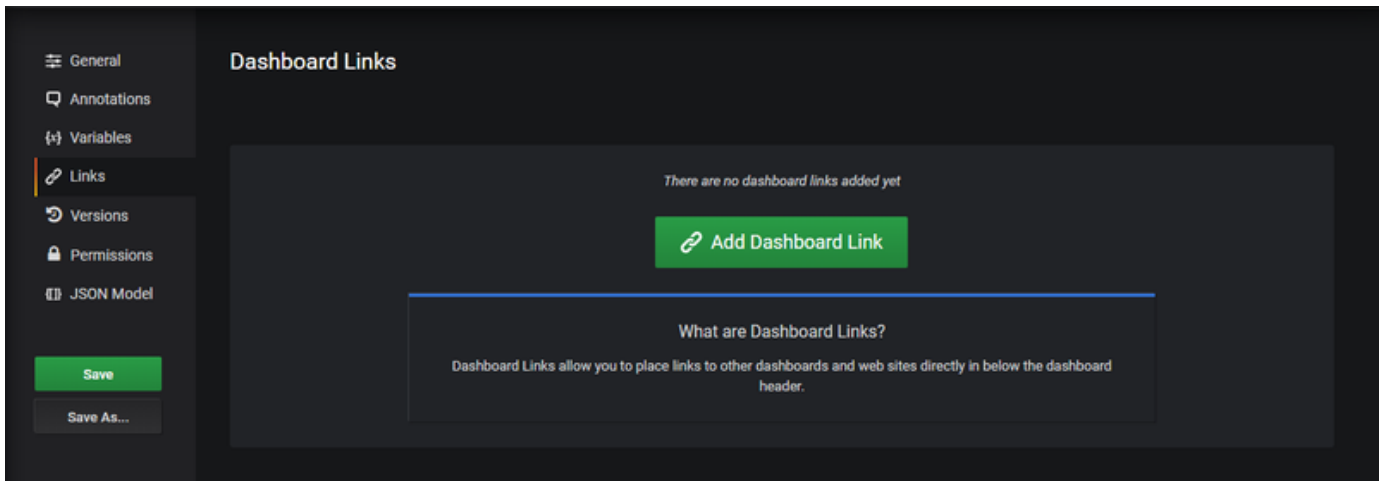
There are so many dashboards and need to create a dashboard which shows the consolidated dashboard for all the desired dashboards.

2. Create consolidated Dashboard -


Create a new dashboard in Grafana and provide some meaningful name. Select the dashboard and click on Dashboard Settings.





Below mentioned screen will be appeared and Select the Links option-





Click on "Add Dashboard Link".


 General


 Annotations

 Variables

 Links

 Versions

 Permissions

 JSON Model

Save

Save As...

Dashboard Links > New

Type

dashboards

With tags

add tags

As dropdown

☐

Include

Time range

☐

Variable values



☐

Open in new tab

☐

Add

Select the type as "dashboards" , leave the "With tags" option empty and "Time range" options then click on Add. Also Save this settings by clicking on Save button. It also ask to enter some optional comments then again click on Save button.

 Save changes 

Add a note to describe your changes ...









0 / 64 characters


Save


Cancel


Dashboard will start showing all the dashboards as below and if user clicks on any dashboard like "Jira Dashboard - Provisioned View" then it will lead to full fledged Jira dashboard.


DevOps Platform Tools Dashboard -


      Last 6 hours  


 Bitbucket Dashboard

 DevOps Platform Node Dashboard - Provisioned Version

 Docker Monitoring Dashboard

 Jenkins performance and health overview - Provisioned Version

 JIRA Dashboard - Provisioned View

 Sonar Health Dashboard

3. Add External Dashboard or Link -

Click on Links option under dashboard settings then click on New button

General

Annotations

Variables

Links



Versions

Permissions

JSON Model

Dashboard Links

New

Type	Info
 dashboards	

Save

Save As...

Dashboard Links > New

General
Annotations
Variables
Links
Versions
Permissions
JSON Model

Save
Save As...

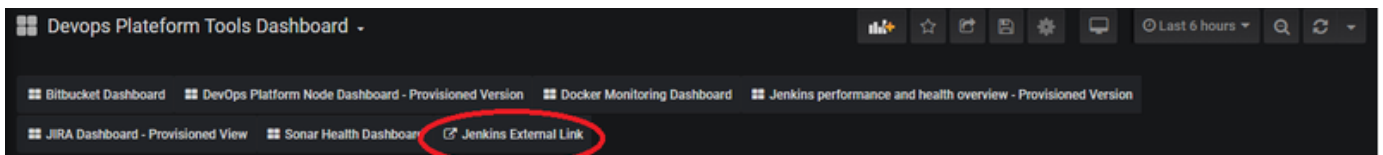
Type: link
Url: http://novartis.devops.altimetrik.io:8084/
Title: Jenkins External Link
Tooltip: Open dashboard
Icon: external link

Include

Time range: ☐
Variable values: ☐
Open in new tab: ☐

Add

Select type as "link", Url for external dashboard or portal , any meaningful Title and choose Icon as per your choice i.e. external link. Then Add and Save this dashboard settings.



You can see Jenkins External Link there, if you click this option then it will lead you to on Jenkins portal.

4. A specific Dashboard to add using tags -

Go to Links under Dashboard Settings and make the configuration as below-

General

Annotations

Variables

Links

Versions

Permissions

JSON Model

Save

Save As...

Dashboard Links > Edit

Type

dashboards

With tags

Atlassian x

prometheus x

add tags

As dropdown

Include

Time range

Variable values

Open in new tab

Update

This will add link JIRA dashboard under our dashboard, because Jira dashboard is using these tags as "Atlassian" and "prometheus". Which can be looked into as Dashboard > Manage page.

Manage

Playlists

Snapshots

Find Dashboard by name

New Dashboard

New Folder

Import

Filter by Starred

Filter By Tag

General

Bitbucket Dashboard

Atlassian

Bitbucket

JVM

git

Devops Plateform Tools Dashboard

docker

DevOps Platform Node Dashboard - Provisioned Version

Prometheus

StarsL.cn

node_exporter

Docker Monitoring Dashboard

docker

Jenkins performance and health overview - Provisioned Version

JIRA Dashboard - Provisioned View

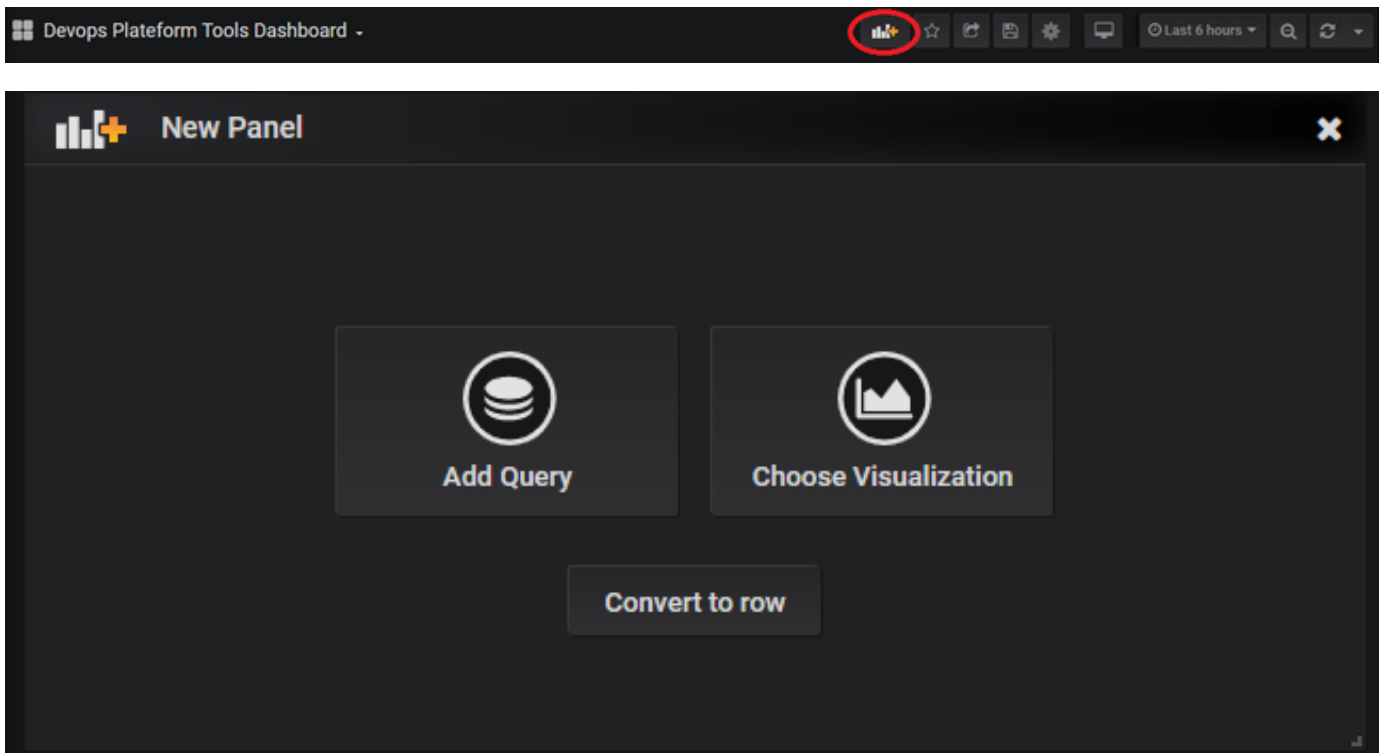
Atlassian

prometheus

Sonar Health Dashboard

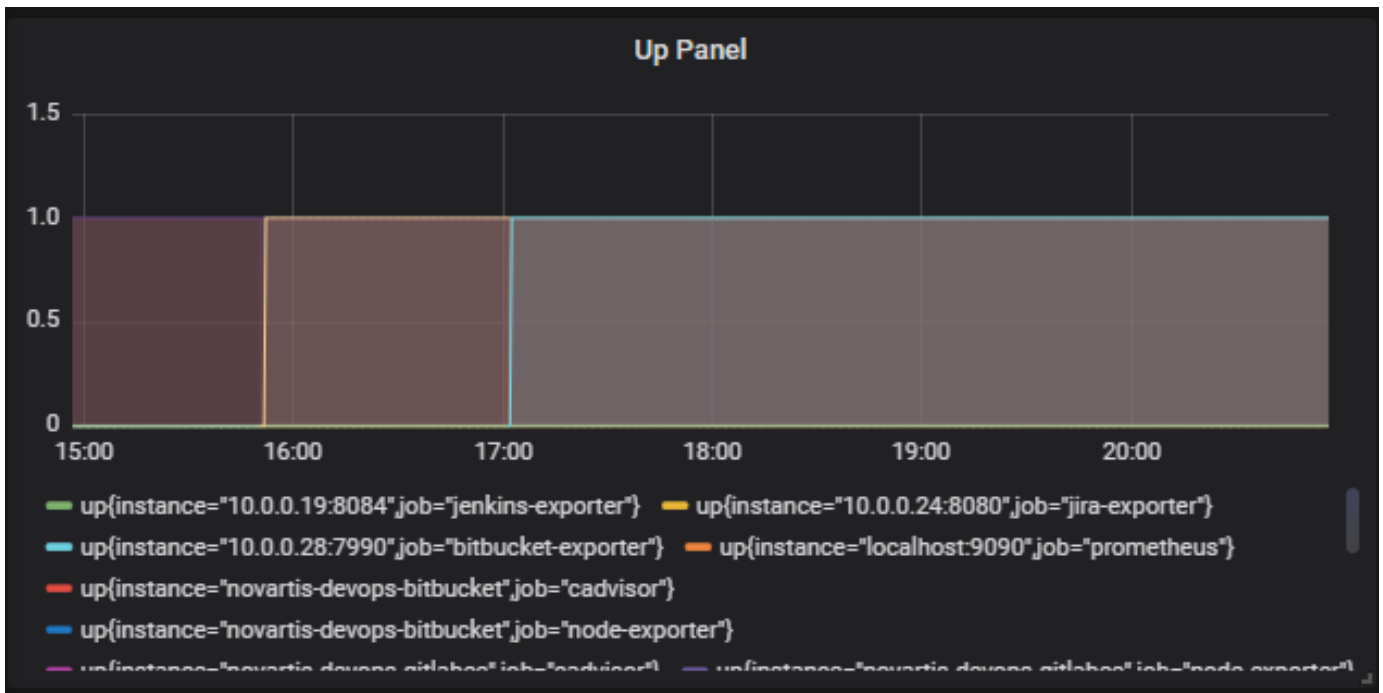
5. Add panels for each dashboards to make a consolidated dashboard -

Click on Add Panel option in Dashboard-



Select Add Query and you will be able to see the Add Panel portal as below-

`up{instance="novartis.devops.altimetrik.io:8084",job="jenkins-exporter"}`



There are many metrics are available to specific for Node, Tools like Jenkins, JIRA, BitBucket. We can add metrics as `jvm_uptime_gauge`.

Specific for Jenkins as `"jenkins_health_check_score"`. Also can add multiple queries with the parameter also can select the visualization type, color and format. So can be created customized dashboard with respect to requirements. What data needs to show or what not to show.

Done!!!