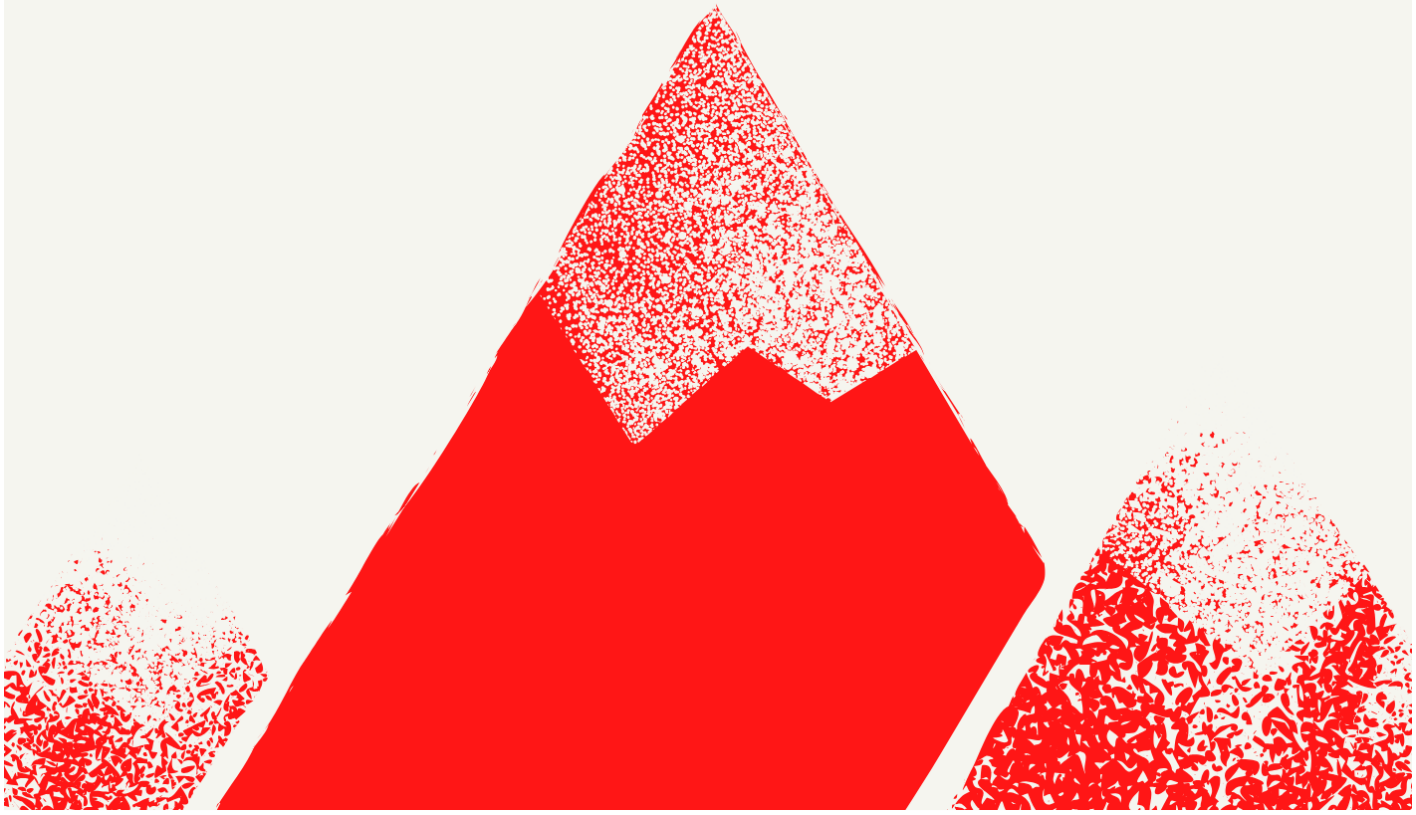
AVOTRIX

BIG DATA, CLOUD, IOT & ANALYTICS

GOGS CONFIGURATION



Gogs

A painless self-hosted Git service.

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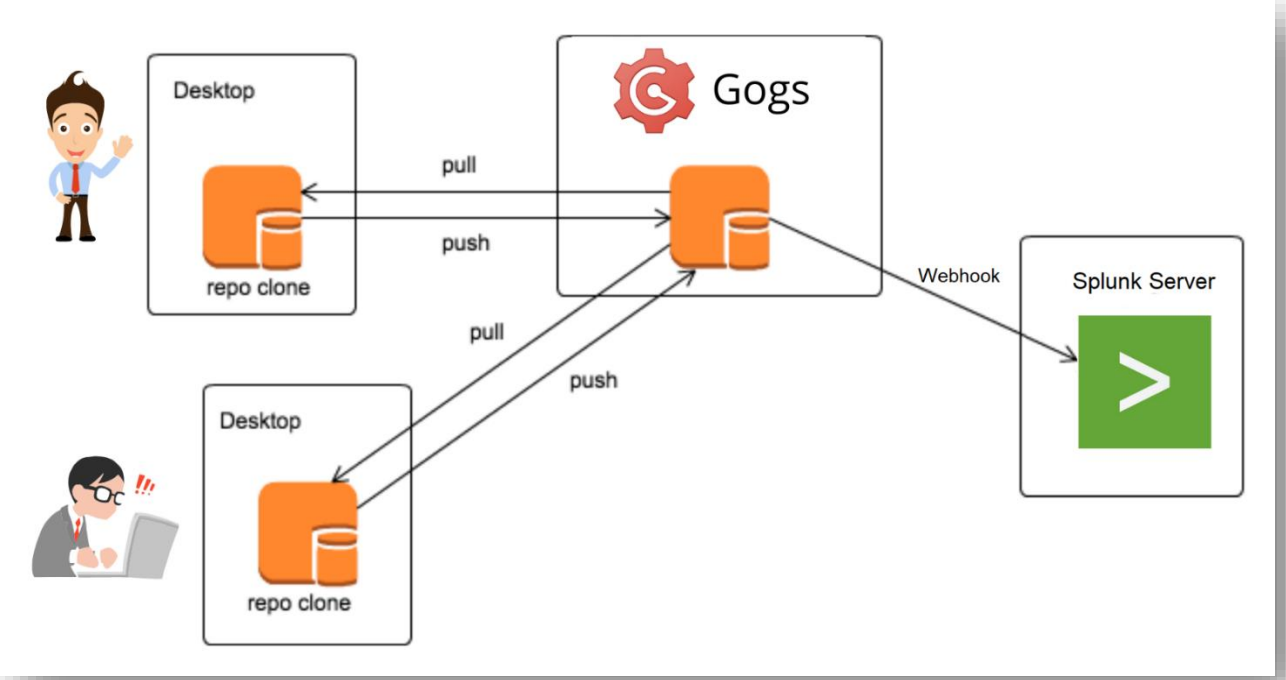
Overview

Gogs application is Version control System (VCS) software. It can also be used to control Splunk Configuration. It is 100% open source, backed by Salesforce and free of charge. It also has webhook option to send payload to Splunk. Whenever an activity occurs in Gogs, it does a POST request with an event to the target forwarder of Splunk.

Splunk

Splunk Inc. (NASDAQ: SPLK) is the market leader in analyzing machine data to deliver Operational Intelligence for security, IT and the business. Splunk® software provides the enterprise machine data fabric that drives digital transformation. Splunk Enterprise makes it simple to collect, analyze and act upon the untapped value of the big data generated by your technology infrastructure, security systems and business applications—giving you the insights to drive operational performance and business results.



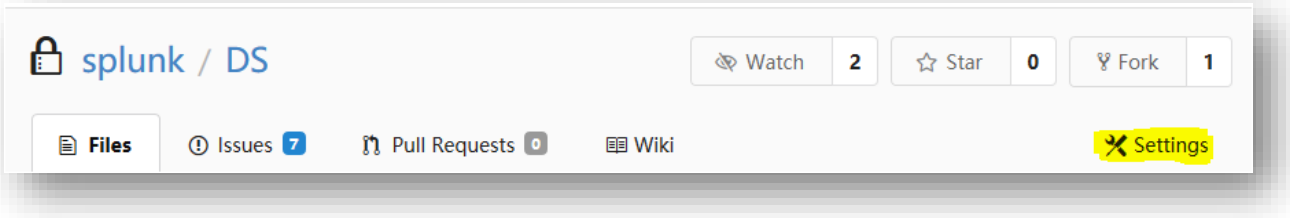
Pre-requisite

Before proceeding with configuration make sure to install below app and add-on in Splunk.

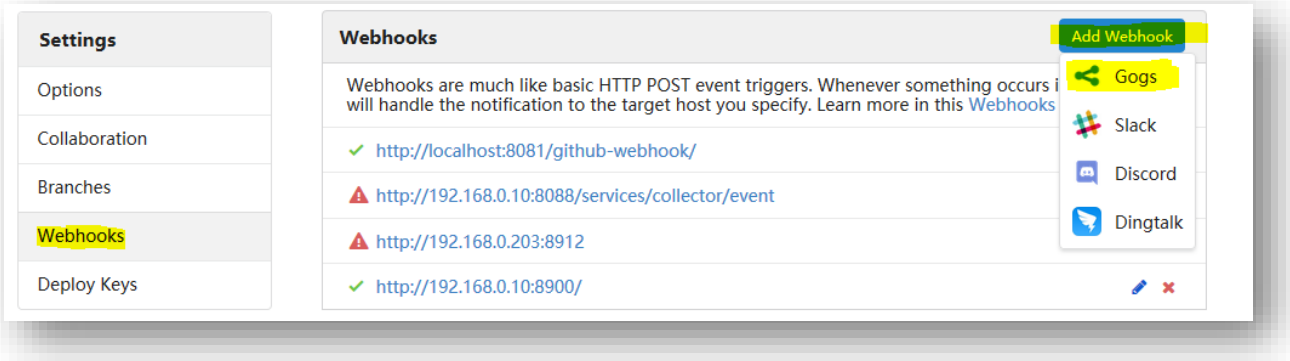
- Webhook Inputs: https://splunkbase.splunk.com/app/3308
- Sankey Diagram: https://splunkbase.splunk.com/app/3112
- Calendar Heat Map: https://splunkbase.splunk.com/app/3162

Configuration in Gogs

1. Admin user can login into the account and click on Setting.



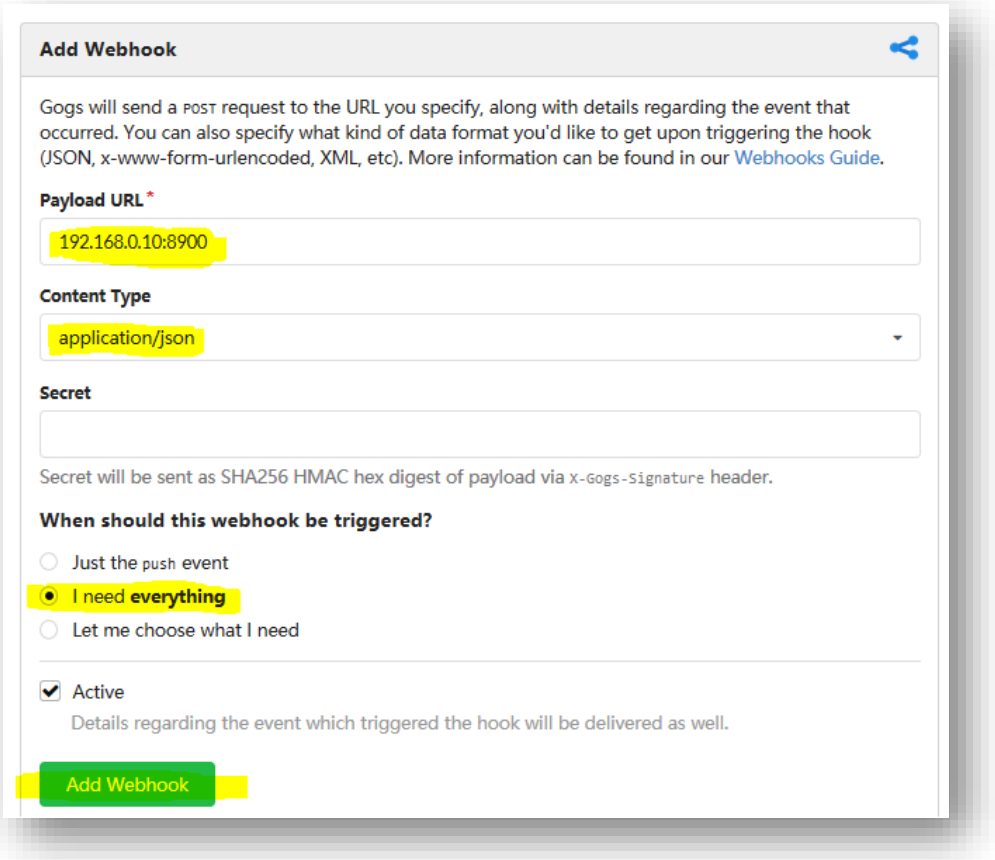
2. Click on Webhook and then click on Add Webhook and select Gogs.



3. Specify HF/UF ip address with any port e.g. http://192.168.0.10:8900
   Note: - Make sure port is open

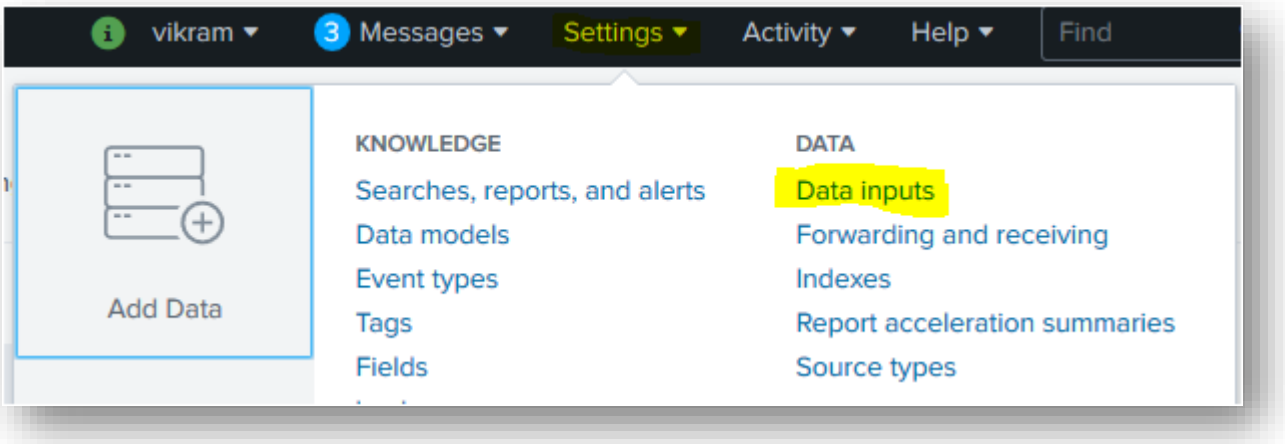
4. Select content type application/json

5. Select "I need everything" option and save the settings

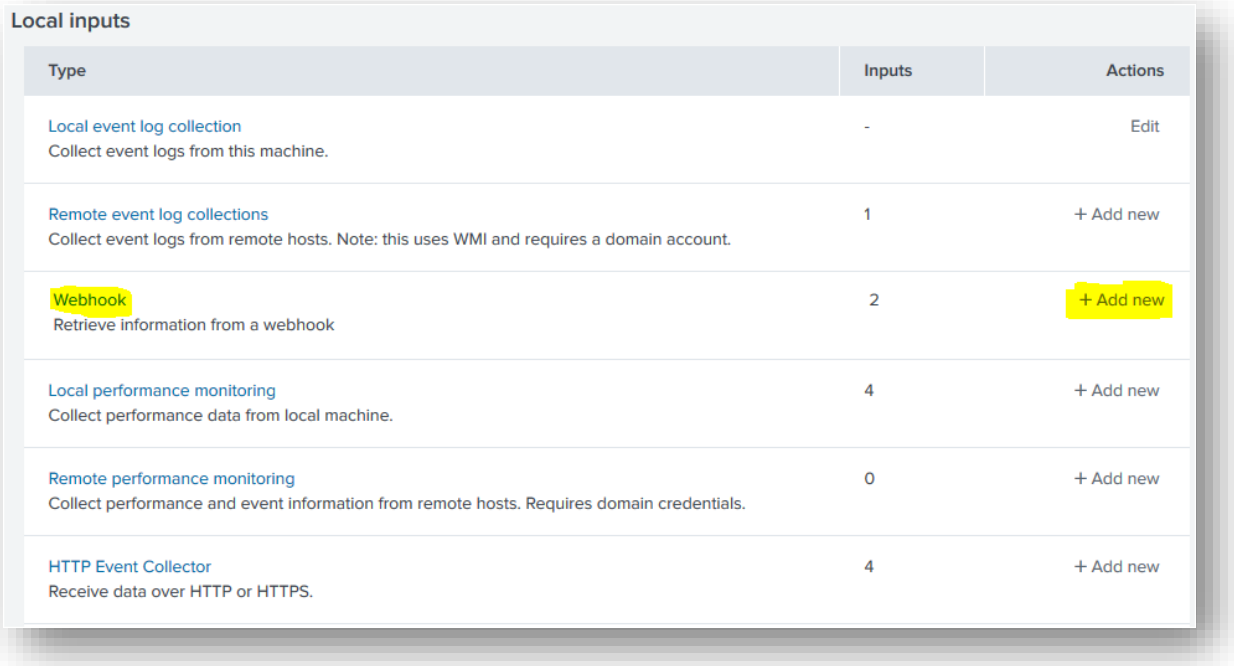


Configuration in Splunk

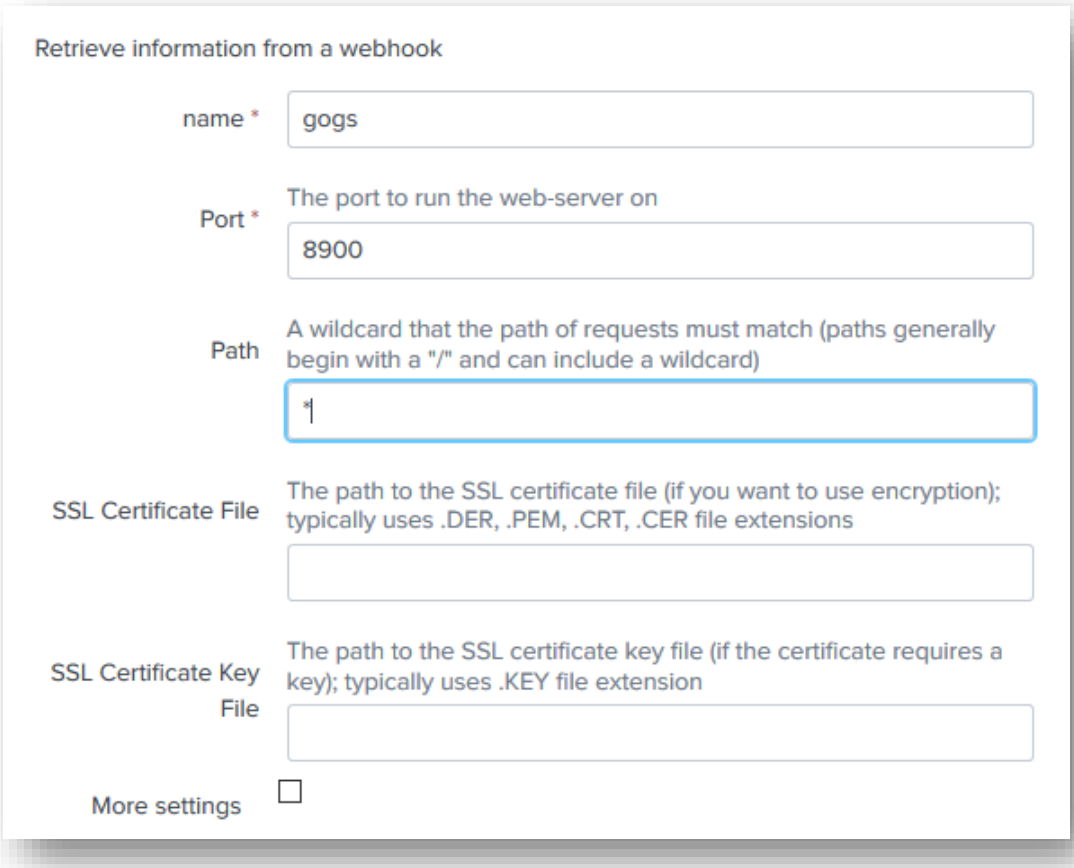
1. Open Setting and click on Data inputs



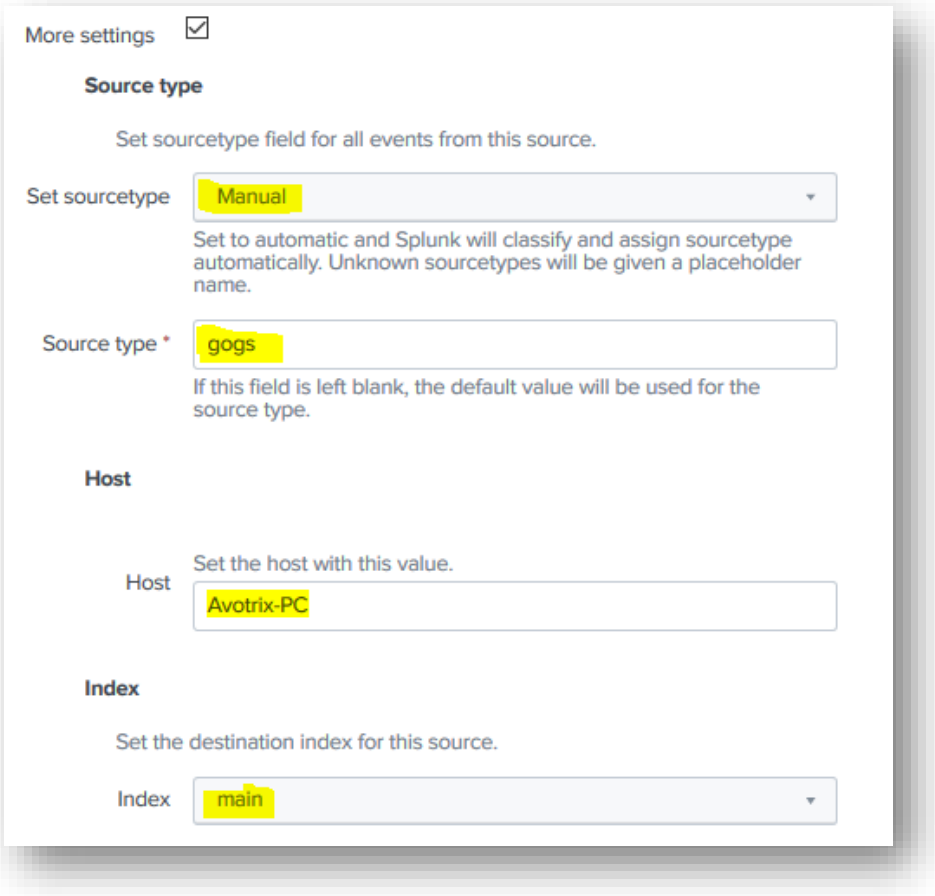
2. Search for Webhook and then click on Add new



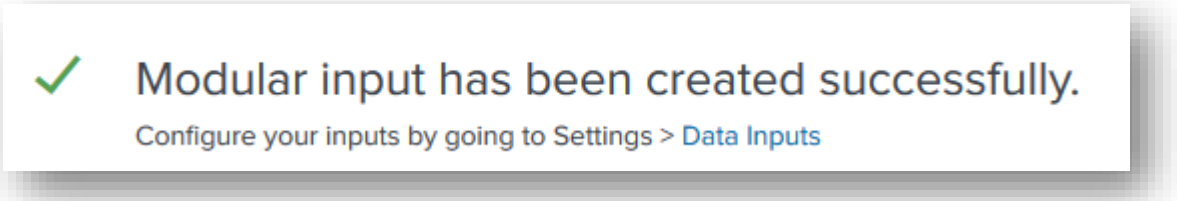
3. Specify name and port no. and in path use wildcard.



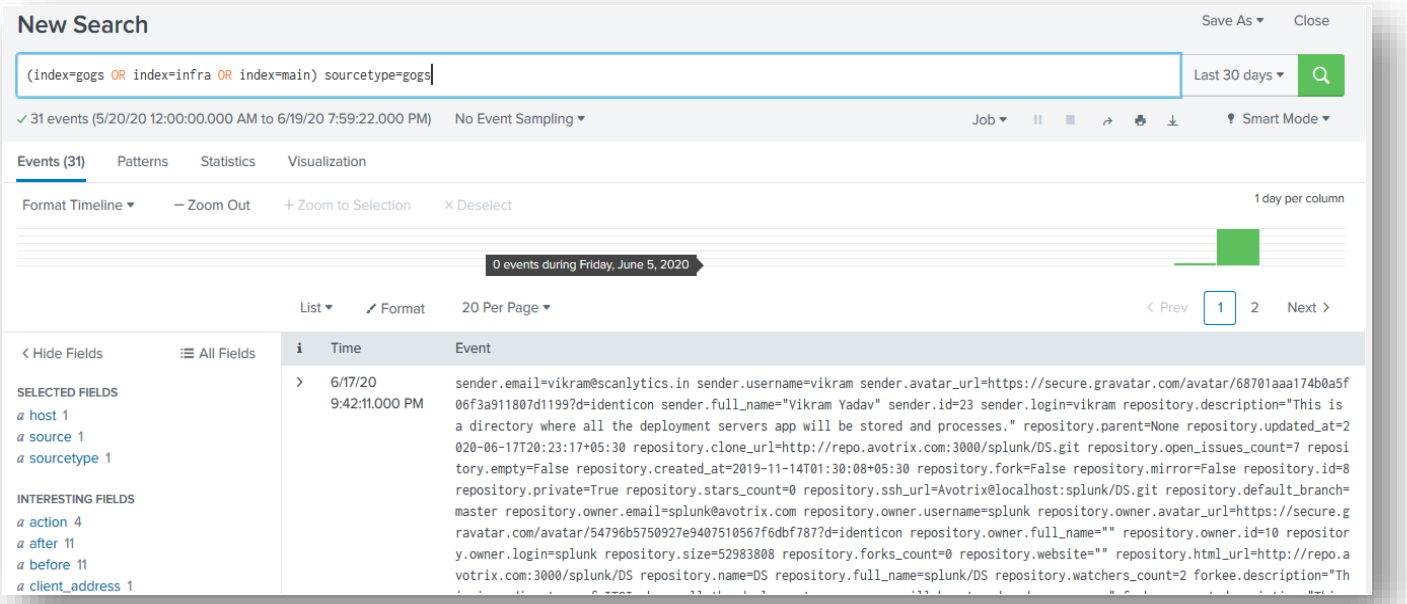
4. Click on more settings, select sourcetype as manual and specify sourcetype as gogs. (Rest other entries fill as needed)



5. Click Submit



Searching



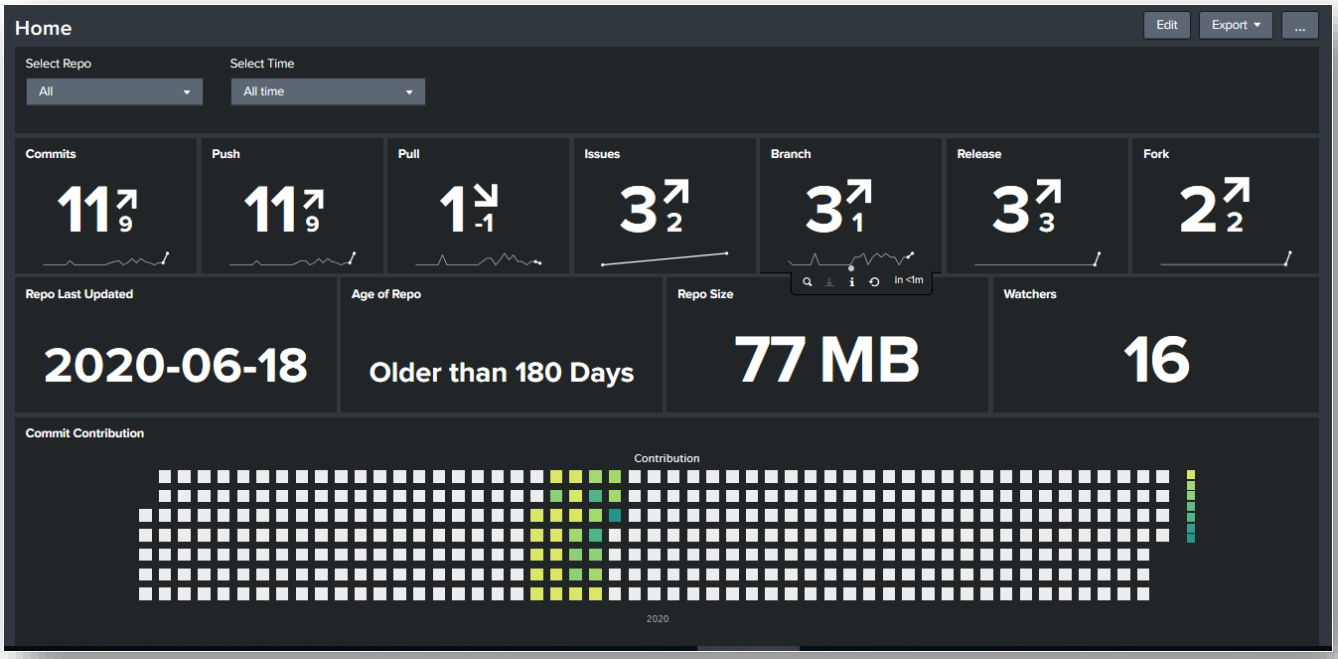
Gogs App for Splunk

The Gogs app for Splunk offers a rich set of pre-built dashboards to analyze and visualize data from Gogs – including file created, modified, deleted, issues, pull request, commits, fork and release - all in single, free app.

Each dashboard panel contains dynamic inputs like select repository, user name and time.

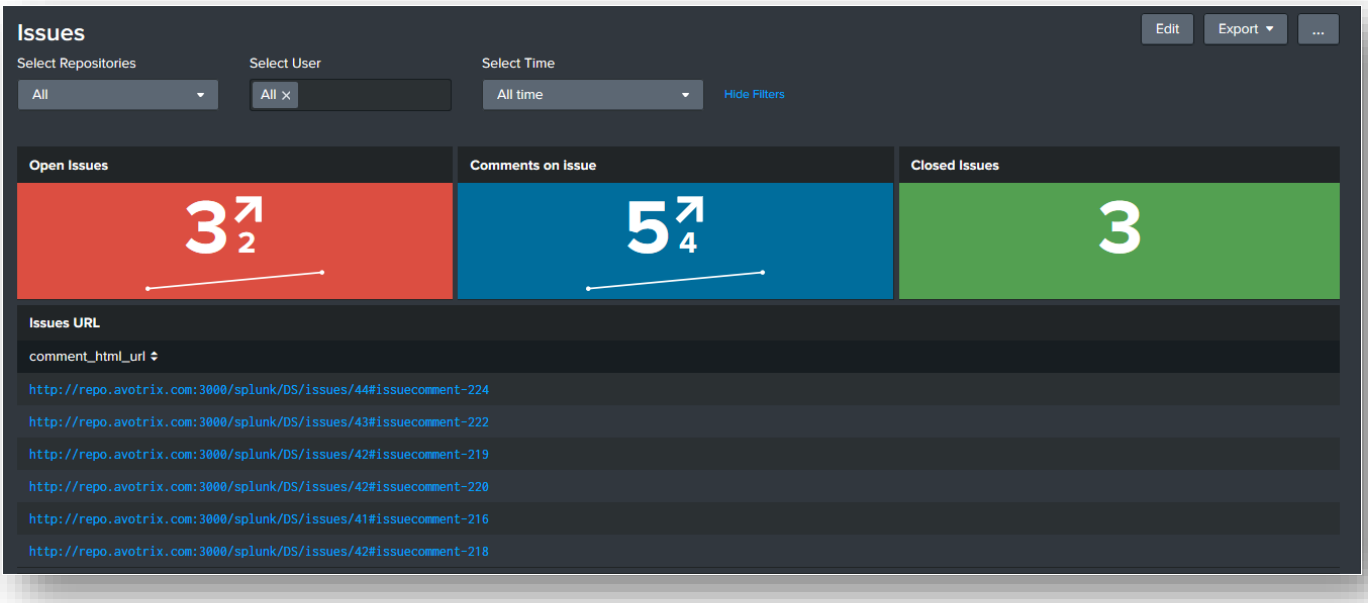
Home:

It has overall summary for all records including commits, pull, push, issues, release, fork, last update on repo with its size and age of the repo, and much more.



Issues

This dashboard contains open issues, closed issues, comment on any of the issues. Each panel has multiple drilldowns which shows more details.



Troubleshooting

What to do if data doesn't show up in the Dashboards?

1. Go to Settings > Data Inputs > Webhook. Verify that you enabled a port.
2. Verify sourcetype="gogs".
3. Please do change the index name in macro `gogs_index`

Summary

Gogs App for Splunk can help you give more insights over Gogs Application activities by forwarding events to Splunk.

Contact us

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