

3.1.2 Testing the Prometheus Scrape

What

Assume for a moment you made a typo in the yml file, or some other problem occurs and your new scrape isn't showing in Grafana...how can you see what is going on?

When/Why

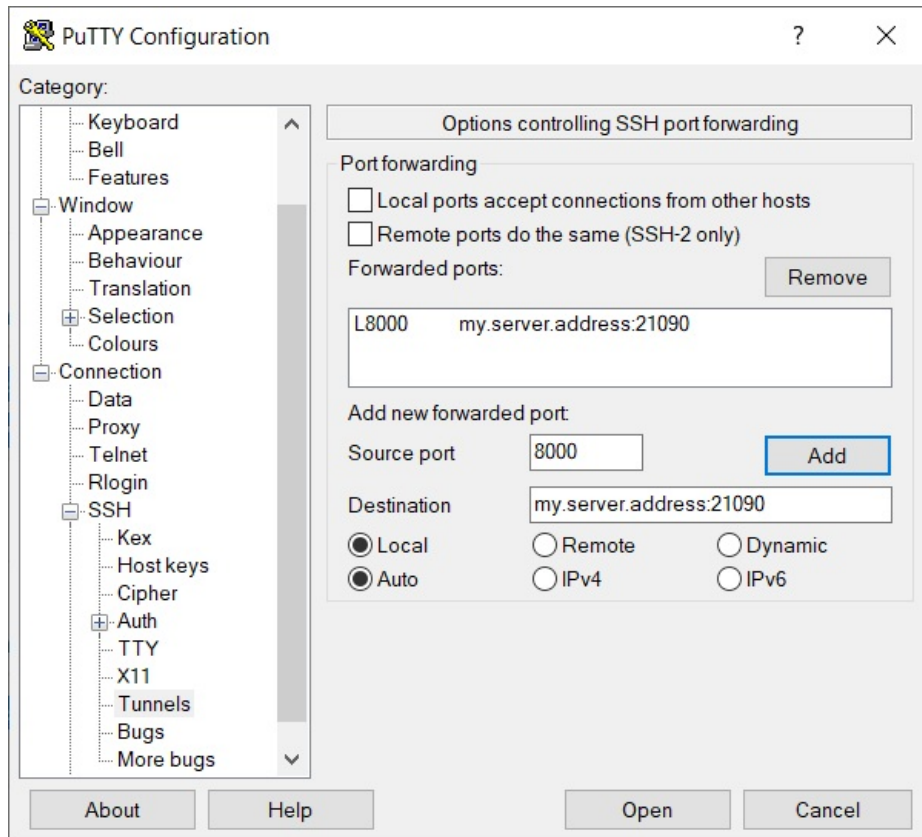
Thankfully there is a service running that allows you to see the status of all Prometheus scrapes, and will usually give you an idea about what is going on. We can check a web page to get this detailed information.

How

The webpage/port in question though is NOT open by default to external systems and we must access it in a special way. If the port were open, we would normally just go to <https://my.server.address:21090/targets>. But, to work around the port not being opened, we can do the following (from terminal, macOS):

```
ssh -L 8000:localhost:21090 user@my.server.address
```

Alternatively, if you are on a Windows device, you can do the same thing through Putty by configuring a "tunnel" with local port of your choosing redirecting to the FileWave server:



These configurations redirects our requested traffic back to port 8000 on our local device, based on the ssh connection being established. The result is that in our own browser then, we can go to <http://localhost:8000/targets> to see the scrape data.

See below how I have a mistake in one of my jobs (query 153 doesn't actually exist):

Applications - Grafana

Prometheus Time Series Collec

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localhost:8000/targets

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Endpoint	State	Labels	Last Scrape	Duration	Error
https://localhost:20443/dashboard_data source/prometheus/association_status	UP	instance="localhost:20443" job="dynamic-inventory"	11.211s ago	10.19ms	

extra-config-http (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:8000/metrics	UP	instance="localhost:8000" job="extra-metrics"	8.403s ago	4.219ms	

extra-config-https (2/3 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
https://localhost:20443/dashboard_data source/prometheus/153/OperatingSystem.type/Client.device_id	UNKNOWN	instance="localhost:20443" job="extra-config-https"	Never	0s	
https://localhost:20443/dashboard_data source/prometheus/41/DesktopClient.filewave_client_version/Client.device_id	UP	instance="localhost:20443" job="extra-config-https"	11.689s ago	11.95ms	
https://localhost:20443/dashboard_data source/prometheus/53/OperatingSystem.type/Client.device_id	UP	instance="localhost:20443" job="extra-config-https"	5.797s ago	10.47ms	

filewave-django (1/1 up) show less

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