

[Clustering] Copy of How to add basic auth

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1 Introduction [🔗](#)

Prometheus supports basic authentication (aka "basic auth") for connections to the Prometheus expression browser and HTTP API. For security reasons, you can follow the SOP to set up basic auth for each exporter and Prometheus.

2 Prepare username and hashed password [🔗](#)

- Go to <https://prometheus.io/docs/guides/basic-auth> and follow the guide to hash the password.
- Create `web.yml`.
- Copy the basic auth parameters to `web.yml` and replace `user: bcrypt(pass)` with the actual username and hashed password.

```
1 basic_auth_users:
2   user: bcrypt(pass)
```

- Save the file `web.yml`.

3 Set up basic auth for Onpremise [🔗](#)

- Go to `{InstallDir}` and edit `config.yaml`.
- Add the basic auth parameters in the `Metrics:` section

```
1 Metrics:
2   Enable: true
3   Addr: 0.0.0.0:9980
4   Period: 15
5   basic_auth_users:
6     user: bcrypt(pass)
```

- Save the file `config.yaml`.
- Run Command Prompt as administrator, then run the below script to restart Onpremise service.

```
1 net stop OnpremiseSvc
2 net start OnpremiseSvc
```

4 Set up basic auth for Relay Exporter [🔗](#)

- Copy `relay_exporter.yaml` to `C:\Program Files\RelayExporter`.
- Edit `relay_exporter.yaml`
 - Replace `user: bcrypt(pass)` with the actual username and hashed password on line 10.
 - Remove `"#"` on line 9/10.
 - Replace `%InstallPath%` with your actual install path on line 23.

```
1 log_path: "log/relay_exporter.log"
2 log_size: 20 # Mega in unit
3 log_age: 15 # max log age
4 log_backup: 15 # max log files
5 servers:
6   relay:
7     enable: true
8     listen: ":5681"
9     basic_auth:
10      user: bcrypt(pass)
11   instances:
12     relay:
13       interval: 10
14       mode: last
15       formatter:
16         name: prometheus
17         prefix: relay
18         includes:
19           - TotalConnections
```

```

20     - BusyConnections
21     input:
22       name: poll
23       filename: '%InstallPATH%\log\relay_statistics.last.log'
24       parser:
25         name: kv
26         sep: " "
27         kvsep: "="

```

- Save the file `relay_exporter.yaml`.

5 Set up basic auth for Frontend Exporter [↗](#)

- Copy `frontend_exporter.yaml` to `C:\Program Files\FrontendExporter`.
- Edit `frontend_exporter.yaml`
 - Replace `user: bcrypt(pass)` with the actual username and hashed password on line 10.
 - Remove `##` on line 9/10.
 - Replace `%InstallPATH%` with your actual install path on line 23.

```

1 log_path: "log/relay_exporter.log"
2 log_size: 20 # Mega in unit
3 log_age: 15 # max log age
4 log_backup: 15 # max log files
5 servers:
6   frontend:
7     enable: true
8     listen: ":5682"
9     basic_auth:
10      user: bcrypt(pass)
11      instances:
12        frontend:
13          interval: 10
14          mode: last
15          formatter:
16            name: prometheus
17            prefix: relay
18            includes:
19              - RunningRelays
20              - DeadRelays
21      input:
22        name: poll
23        filename: '%InstallPATH%\log\frontend_statistics.last.log'
24        parser:
25          name: kv
26          sep: " "
27          kvsep: "="

```

- Save the file `frontend_exporter.yaml`.

6 Set up basic auth for Postgre Exporter [↗](#)

- Edit `PostgresExporterService.xml` at `C:\Program Files\PostgresExporter`.
- Add `<arguments>--web.config.file=web.yaml</arguments>` to `PostgresExporterService.xml`.

```

1 <service>
2   <id>PostgresExporter</id>
3   <name>PostgresExporter</name>
4   <description>PostgresExporter</description>
5   <workingdirectory>C:\Program Files\PostgresExporter</workingdirectory>
6   <env name="DATA_SOURCE_NAME" value="postgresql://postgres_exporter:password@localhost:5432/postgres?sslmode=disable" />
7   <executable>.\postgres_exporter.exe</executable>
8   <arguments>--web.config.file=web.yaml</arguments>
9   <log mode="roll" />
10  <onfailure action="restart" />
11 </service>

```

- Save the file `PostgresExporterService.xml`.
- Copy `web.yaml` to `C:\Program Files\PostgresExporter`.

7 Set up basic auth for Windows Exporter [↗](#)

- Edit `WindowsExporterService.xml` at `C:\Program Files\WindowsExporter`.
- Add `<arguments>--web.config.file=web.yaml</arguments>` to `WindowsExporterService.xml`.

```

1 <service>
2   <id>WindowsExporter</id>
3   <name>WindowsExporter</name>
4   <description>WindowsExporter</description>
5   <workingdirectory>C:\Program Files\WindowsExporter</workingdirectory>
6   <executable>.\windows_exporter.exe</executable>

```

```

7 <arguments>--web.config.file=web.yml</arguments>
8 <log mode="roll" />
9 <onfailure action="restart" />
10 </service>

```

- Save the file `WindowsExporterService.xml`.
- Copy `web.yml` to `C:\Program Files\WindowsExporter`.

8 Set up basic auth for Prometheus [🔗](#)

- Add basic auth to each job in `prometheus.yml` and replace `user` and `pass` with the actual username and hashed password.

```

1 global:
2   scrape_interval: 15s # By default, scrape targets every 15 seconds.
3
4   # Attach these labels to any time series or alerts when communicating with
5   # external systems (federation, remote storage, Alertmanager).
6   external_labels:
7     monitor: 'codelab-monitor'
8
9   # data will keep 3days
10  alerting:
11  alertmanagers:
12    - static_configs:
13      - targets: ["host:9093"]
14
15  rule_files:
16    - rules.yml
17
18  # A scrape configuration containing exactly one endpoint to scrape:
19  # Here it's Prometheus itself.
20  scrape_configs:
21    # The job name is added as a label `job=<job_name>` to any timeseries scraped from this config.
22    - job_name: 'prometheus'
23      # Override the global default and scrape targets from this job every 5 seconds.
24      scrape_interval: 15s
25      static_configs:
26        - targets: ['127.0.0.1:9090']
27
28    - job_name: 'node_exporter'
29      scrape_interval: 15s
30      static_configs:
31        - targets: ['node_host1:9182','node_host2:9182',...]
32
33    basic_auth:
34      username: user
35      password: pass
36
37    - job_name: 'postgres-exporter'
38      scrape_interval: 15s
39      static_configs:
40        - targets: ['pg_host:9187']
41
42    basic_auth:
43      username: user
44      password: pass
45
46    - job_name: 'caddy'
47      scrape_interval: 15s
48      static_configs:
49        - targets: ['caddy_host:2019']
50
51    - job_name: 'onpremise'
52      scrape_interval: 15s
53      static_configs:
54        - targets: [host1:9980,host2:9980]
55
56    basic_auth:
57      username: user
58      password: pass
59
60    - job_name: 'relay'
61      scrape_interval: 10s
62      static_configs:
63        - targets: [host1:5681,host2:5681]
64
65    basic_auth:
66      username: user
67      password: pass
68
69    - job_name: 'relay_frontend'
70      scrape_interval: 10s
71      static_configs:
72        - targets: [host1:5682,host2:5682]
73
74    basic_auth:
75      username: user
76      password: pass

```

- Save the file `prometheus.yml`.