

etcd-version-monitor

This is a tool for exporting etcd metrics and supplementing them with etcd server binary version and cluster version. These metrics are in prometheus format and can be scraped by a prometheus server. The metrics are exposed at the <http://localhost:9101/metrics> endpoint.

For etcd 3.1+, the [go-grpc-prometheus](#) metrics format, which backward incompatibly replaces the 3.0 legacy grpc metric format, is exposed in both the 3.1 format and in the 3.0. This preserves backward compatibility.

For etcd 3.1+, the `--metrics=extensive` must be set on etcd for grpc request latency metrics (`etcd_grpc_unary_requests_duration_seconds`) to be exposed.

RUNNING THE TOOL

To run this tool as a docker container:

- `make build`
- `docker run --net=host -i -t staging-k8s.gcr.io/etcd-version-monitor:0.1.3 /etcd-version-monitor`

To run this as a pod on the kubernetes cluster:

- Place the 'etcd-version-monitor.yaml' in the manifests directory of kubelet on the master machine.

Note: This tool has to run on the same machine as etcd, as communication with etcd is over localhost.

VERIFYING THE TOOL

- Goto <http://localhost:9101/metrics> in order to view the exported metrics.
- The metrics prefixed with "etcd_" are the ones of interest to us.