

## Telegraf binary file size with all plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
2021-01-30T10:55:30Z D! [agent] Stopped Successfully
maha@maha-VirtualBox:~/go/src/telegraf$ make
go mod download
go build -ldflags " -X main.commit=9814d3d8 -X main.branch=random -X main.goos=linux -X main.goarch=amd64" ./cmd/telegraf
ls maha@maha-VirtualBox:~/go/src/telegraf$ ls -lh
total 96M
-rw-rw-r-- 1 maha maha 2.6K Jan 9 12:34 accumulator.go
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 agent
-rw-rw-r-- 1 maha maha 530 Jan 9 12:34 aggregator.go
-rw-rw-r-- 1 maha maha 597 Jan 9 12:34 appveyor.yml
-rw-rw-r-- 1 maha maha 7 Jan 9 12:34 build_version.txt
-rw-rw-r-- 1 maha maha 241K Jan 9 12:34 CHANGELOG.md
drwxrwxr-x 3 maha maha 4.0K Jan 9 12:34 cmd
drwxrwxr-x 4 maha maha 4.0K Jan 9 12:34 config
-rw-rw-r-- 1 maha maha 2.8K Jan 9 12:34 CONTRIBUTING.md
-rw-rw-r-- 1 maha maha 2.2K Jan 9 12:34 docker-compose.yml
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 docs
drwxrwxr-x 3 maha maha 4.0K Jan 9 12:34 etc
-rw-rw-r-- 1 maha maha 1.4K Jan 9 12:34 EXTERNAL_PLUGINS.md
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 filter
-rw-rw-r-- 1 maha maha 8.2K Jan 9 12:34 go.mod
-rw-rw-r-- 1 maha maha 95K Jan 9 12:34 go.sum
-rw-rw-r-- 1 maha maha 656 Jan 9 12:34 input.go
drwxrwxr-x 12 maha maha 4.0K Jan 9 12:34 internal
-rw-rw-r-- 1 maha maha 1.1K Jan 9 12:34 LICENSE
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 logger
-rw-rw-r-- 1 maha maha 13K Jan 9 12:34 Makefile
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 metric
-rw-rw-r-- 1 maha maha 3.8K Jan 9 12:34 metric.go
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 models
-rw-rw-r-- 1 maha maha 1000 Jan 9 12:34 output.go
-rw-rw-r-- 1 maha maha 1.7K Jan 9 12:34 plugin.go
drwxrwxr-x 9 maha maha 4.0K Jan 9 12:34 plugins
-rw-rw-r-- 1 maha maha 1.8K Jan 9 12:34 processor.go
-rw-rw-r-- 1 maha maha 20K Jan 9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan 9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan 9 12:34 selfstat
-rwxrwxr-x 1 maha maha 95M Jan 30 16:26 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan 9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$
```

## Telegraf binary file size with one input; and all output, processor and aggregator plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
maha@maha-VirtualBox:~$ cd go/src/telegraf
maha@maha-VirtualBox:~/go/src/telegraf$ make
go mod download
go build -ldflags " -X main.commit=9814d3d8 -X main.branch=random -X main.goos=linux -X main.goarch=amd64" ./cmd/telegraf
maha@maha-VirtualBox:~/go/src/telegraf$ ls -lh
total 44M
-rw-rw-r-- 1 maha maha 2.6K Jan  9 12:34 accumulator.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 agent
-rw-rw-r-- 1 maha maha 530 Jan  9 12:34 aggregator.go
-rw-rw-r-- 1 maha maha 597 Jan  9 12:34 appveyor.yml
-rw-rw-r-- 1 maha maha  7 Jan  9 12:34 build_version.txt
-rw-rw-r-- 1 maha maha 241K Jan  9 12:34 CHANGELOG.md
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 cmd
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 config
-rw-rw-r-- 1 maha maha 2.8K Jan  9 12:34 CONTRIBUTING.md
-rw-rw-r-- 1 maha maha 2.2K Jan  9 12:34 docker-compose.yml
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 docs
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 etc
-rw-rw-r-- 1 maha maha 1.4K Jan  9 12:34 EXTERNAL_PLUGINS.md
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 filter
-rw-rw-r-- 1 maha maha 8.2K Jan  9 12:34 go.mod
-rw-rw-r-- 1 maha maha 95K Jan  9 12:34 go.sum
-rw-rw-r-- 1 maha maha 656 Jan  9 12:34 input.go
drwxrwxr-x 12 maha maha 4.0K Jan  9 12:34 internal
-rw-rw-r-- 1 maha maha 1.1K Jan  9 12:34 LICENSE
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 logger
-rw-rw-r-- 1 maha maha 13K Jan  9 12:34 Makefile
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 metric
-rw-rw-r-- 1 maha maha 3.8K Jan  9 12:34 metric.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 models
-rw-rw-r-- 1 maha maha 1000 Jan  9 12:34 output.go
-rw-rw-r-- 1 maha maha 1.7K Jan  9 12:34 plugin.go
drwxrwxr-x 9 maha maha 4.0K Jan  9 12:34 plugins
-rw-rw-r-- 1 maha maha 1.8K Jan  9 12:34 processor.go
-rw-rw-r-- 1 maha maha 20K Jan  9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 selfstat
-rwxrwxr-x 1 maha maha 43M Jan 30 16:07 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$
```

## Telegraf binary file size with 1 input, 2 output, all aggregator and processor plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$ make
go mod download
go build -ldflags " -X main.commit=9814d3d8 -X main.branch=random -X main.goos=linux -X main.goarch=amd64" ./cmd/telegraf
maha@maha-VirtualBox:~/go/src/telegraf$ ls -lh
total 21M
-rw-rw-r-- 1 maha maha 2.6K Jan  9 12:34 accumulator.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 agent
-rw-rw-r-- 1 maha maha 530 Jan  9 12:34 aggregator.go
-rw-rw-r-- 1 maha maha 597 Jan  9 12:34 appveyor.yml
-rw-rw-r-- 1 maha maha  7 Jan  9 12:34 build_version.txt
-rw-rw-r-- 1 maha maha 241K Jan  9 12:34 CHANGELOG.md
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 cmd
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 config
-rw-rw-r-- 1 maha maha 2.8K Jan  9 12:34 CONTRIBUTING.md
-rw-rw-r-- 1 maha maha 2.2K Jan  9 12:34 docker-compose.yml
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 docs
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 etc
-rw-rw-r-- 1 maha maha 1.4K Jan  9 12:34 EXTERNAL_PLUGINS.md
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 filter
-rw-rw-r-- 1 maha maha 8.2K Jan  9 12:34 go.mod
-rw-rw-r-- 1 maha maha 95K Jan  9 12:34 go.sum
-rw-rw-r-- 1 maha maha 656 Jan  9 12:34 input.go
drwxrwxr-x 12 maha maha 4.0K Jan  9 12:34 internal
-rw-rw-r-- 1 maha maha 1.1K Jan  9 12:34 LICENSE
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 logger
-rw-rw-r-- 1 maha maha 13K Jan  9 12:34 Makefile
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 metric
-rw-rw-r-- 1 maha maha 3.8K Jan  9 12:34 metric.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 models
-rw-rw-r-- 1 maha maha 1000 Jan  9 12:34 output.go
-rw-rw-r-- 1 maha maha 1.7K Jan  9 12:34 plugin.go
drwxrwxr-x 9 maha maha 4.0K Jan  9 12:34 plugins
-rw-rw-r-- 1 maha maha 1.8K Jan  9 12:34 processor.go
-rw-rw-r-- 1 maha maha 20K Jan  9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 selfstat
-rwxrwxr-x 1 maha maha 21M Jan 30 16:09 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$
```



## Telegraf binary file size with 1 input, 2 output, 1 aggregator and all processor plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$ make
go mod download
go build -ldflags " -X main.commit=9814d3d8 -X main.branch=random -X main.goos=linux -X main.goarch=amd64" ./cmd/telegraf
maha@maha-VirtualBox:~/go/src/telegraf$ ls -lh
total 21M
-rw-rw-r-- 1 maha maha 2.6K Jan  9 12:34 accumulator.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 agent
-rw-rw-r-- 1 maha maha 530 Jan  9 12:34 aggregator.go
-rw-rw-r-- 1 maha maha 597 Jan  9 12:34 appveyor.yml
-rw-rw-r-- 1 maha maha  7 Jan  9 12:34 build_version.txt
-rw-rw-r-- 1 maha maha 241K Jan  9 12:34 CHANGELOG.md
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 cmd
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 config
-rw-rw-r-- 1 maha maha 2.8K Jan  9 12:34 CONTRIBUTING.md
-rw-rw-r-- 1 maha maha 2.2K Jan  9 12:34 docker-compose.yml
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 docs
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 etc
-rw-rw-r-- 1 maha maha 1.4K Jan  9 12:34 EXTERNAL_PLUGINS.md
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 filter
-rw-rw-r-- 1 maha maha 8.2K Jan  9 12:34 go.mod
-rw-rw-r-- 1 maha maha 95K Jan  9 12:34 go.sum
-rw-rw-r-- 1 maha maha 656 Jan  9 12:34 input.go
drwxrwxr-x 12 maha maha 4.0K Jan  9 12:34 internal
-rw-rw-r-- 1 maha maha 1.1K Jan  9 12:34 LICENSE
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 logger
-rw-rw-r-- 1 maha maha 13K Jan  9 12:34 Makefile
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 metric
-rw-rw-r-- 1 maha maha 3.8K Jan  9 12:34 metric.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 models
-rw-rw-r-- 1 maha maha 1000 Jan  9 12:34 output.go
-rw-rw-r-- 1 maha maha 1.7K Jan  9 12:34 plugin.go
drwxrwxr-x 9 maha maha 4.0K Jan  9 12:34 plugins
-rw-rw-r-- 1 maha maha 1.8K Jan  9 12:34 processor.go
-rw-rw-r-- 1 maha maha 20K Jan  9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 selfstat
-rwxrwxr-x 1 maha maha 21M Jan 30 16:10 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$
```

## Telegraf binary file size with 1 input, 2 output, 1 aggregator and 1 processor plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$ make
go mod download
go build -ldflags " -X main.commit=9814d3d8 -X main.branch=random -X main.goos=linux -X main.goarch=amd64" ./cmd/telegraf
maha@maha-VirtualBox:~/go/src/telegraf$ ls -lh
total 19M
-rw-rw-r-- 1 maha maha 2.6K Jan  9 12:34 accumulator.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 agent
-rw-rw-r-- 1 maha maha 530 Jan  9 12:34 aggregator.go
-rw-rw-r-- 1 maha maha 597 Jan  9 12:34 appveyor.yml
-rw-rw-r-- 1 maha maha  7 Jan  9 12:34 build_version.txt
-rw-rw-r-- 1 maha maha 241K Jan  9 12:34 CHANGELOG.md
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 cmd
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 config
-rw-rw-r-- 1 maha maha 2.8K Jan  9 12:34 CONTRIBUTING.md
-rw-rw-r-- 1 maha maha 2.2K Jan  9 12:34 docker-compose.yml
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 docs
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 etc
-rw-rw-r-- 1 maha maha 1.4K Jan  9 12:34 EXTERNAL_PLUGINS.md
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 filter
-rw-rw-r-- 1 maha maha 8.2K Jan  9 12:34 go.mod
-rw-rw-r-- 1 maha maha 95K Jan  9 12:34 go.sum
-rw-rw-r-- 1 maha maha 656 Jan  9 12:34 input.go
drwxrwxr-x 12 maha maha 4.0K Jan  9 12:34 internal
-rw-rw-r-- 1 maha maha 1.1K Jan  9 12:34 LICENSE
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 logger
-rw-rw-r-- 1 maha maha 13K Jan  9 12:34 Makefile
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 metric
-rw-rw-r-- 1 maha maha 3.8K Jan  9 12:34 metric.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 models
-rw-rw-r-- 1 maha maha 1000 Jan  9 12:34 output.go
-rw-rw-r-- 1 maha maha 1.7K Jan  9 12:34 plugin.go
drwxrwxr-x 9 maha maha 4.0K Jan  9 12:34 plugins
-rw-rw-r-- 1 maha maha 1.8K Jan  9 12:34 processor.go
-rw-rw-r-- 1 maha maha 20K Jan  9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 selfstat
-rwxrwxr-x 1 maha maha 19M Jan 30 16:10 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$
```

## Telegraf binary file with 1 input and 2 output plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$ make
go mod download
go build -ldflags " -X main.commit=9814d3d8 -X main.branch=random -X main.goos=linux -X main.goarch=amd64" ./cmd/telegraf
maha@maha-VirtualBox:~/go/src/telegraf$ ls -lh
total 19M
-rw-rw-r-- 1 maha maha 2.6K Jan  9 12:34 accumulator.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 agent
-rw-rw-r-- 1 maha maha 530 Jan  9 12:34 aggregator.go
-rw-rw-r-- 1 maha maha 597 Jan  9 12:34 appveyor.yml
-rw-rw-r-- 1 maha maha  7 Jan  9 12:34 build_version.txt
-rw-rw-r-- 1 maha maha 241K Jan  9 12:34 CHANGELOG.md
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 cmd
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 config
-rw-rw-r-- 1 maha maha 2.8K Jan  9 12:34 CONTRIBUTING.md
-rw-rw-r-- 1 maha maha 2.2K Jan  9 12:34 docker-compose.yml
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 docs
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 etc
-rw-rw-r-- 1 maha maha 1.4K Jan  9 12:34 EXTERNAL_PLUGINS.md
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 filter
-rw-rw-r-- 1 maha maha 8.2K Jan  9 12:34 go.mod
-rw-rw-r-- 1 maha maha 95K Jan  9 12:34 go.sum
-rw-rw-r-- 1 maha maha 656 Jan  9 12:34 input.go
drwxrwxr-x 12 maha maha 4.0K Jan  9 12:34 internal
-rw-rw-r-- 1 maha maha 1.1K Jan  9 12:34 LICENSE
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 logger
-rw-rw-r-- 1 maha maha 13K Jan  9 12:34 Makefile
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 metric
-rw-rw-r-- 1 maha maha 3.8K Jan  9 12:34 metric.go
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 models
-rw-rw-r-- 1 maha maha 1000 Jan  9 12:34 output.go
-rw-rw-r-- 1 maha maha 1.7K Jan  9 12:34 plugin.go
drwxrwxr-x 9 maha maha 4.0K Jan  9 12:34 plugins
-rw-rw-r-- 1 maha maha 1.8K Jan  9 12:34 processor.go
-rw-rw-r-- 1 maha maha 20K Jan  9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 selfstat
-rwxrwxr-x 1 maha maha 19M Jan 30 16:12 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$
```



## Telegraf plugins list and execution with two plugins

```
maha@maha-VirtualBox: ~/go/src/telegraf
-rw-rw-r-- 1 maha maha 20K Jan  9 12:34 README.md
drwxrwxr-x 4 maha maha 4.0K Jan  9 12:34 scripts
drwxrwxr-x 2 maha maha 4.0K Jan  9 12:34 selfstat
-rwxrwxr-x 1 maha maha 19M Jan 30 16:12 telegraf
drwxrwxr-x 3 maha maha 4.0K Jan  9 12:34 testutil
maha@maha-VirtualBox:~/go/src/telegraf$ ./telegraf --input-list
Available Input Plugins:
  Random
maha@maha-VirtualBox:~/go/src/telegraf$ ./telegraf --output-list
Available Output Plugins:
  influxdb_v2
  wavefront
maha@maha-VirtualBox:~/go/src/telegraf$ export INFLUX_TOKEN=-eza68XeQG0AVHoTPdQBva51WQPqjgrjhUsI4VlxQLxZoxpmCY7hVIkQTKyJcmd87Ht0Uj
YTIEPIJB1PzStYcG==
maha@maha-VirtualBox:~/go/src/telegraf$ ./telegraf --config /home/maha/random.conf --debug
2021-01-30T10:47:12Z I! Starting Telegraf
2021-01-30T10:47:12Z I! Loaded inputs: Random
2021-01-30T10:47:12Z I! Loaded aggregators:
2021-01-30T10:47:12Z I! Loaded processors:
2021-01-30T10:47:12Z I! Loaded outputs: influxdb_v2
2021-01-30T10:47:12Z I! Tags enabled: host=maha-VirtualBox
2021-01-30T10:47:12Z I! [agent] Config: Interval:10s, Quiet:false, Hostname:"maha-VirtualBox", Flush Interval:10s
2021-01-30T10:47:12Z D! [agent] Initializing plugins
2021-01-30T10:47:12Z D! [agent] Connecting outputs
2021-01-30T10:47:12Z D! [agent] Attempting connection to [outputs.influxdb_v2]
2021-01-30T10:47:12Z D! [agent] Successfully connected to outputs.influxdb_v2
2021-01-30T10:47:12Z D! [agent] Starting service inputs
Random integer: 0.6046602879796196
2021-01-30T10:47:22Z D! [outputs.influxdb_v2] Wrote batch of 1 metrics in 21.712668ms
2021-01-30T10:47:22Z D! [outputs.influxdb_v2] Buffer fullness: 0 / 10000 metrics
Random integer: 0.6645600532184904
2021-01-30T10:47:32Z D! [outputs.influxdb_v2] Wrote batch of 1 metrics in 8.23714ms
2021-01-30T10:47:32Z D! [outputs.influxdb_v2] Buffer fullness: 0 / 10000 metrics
Random integer: 0.4246374970712657
2021-01-30T10:47:42Z D! [outputs.influxdb_v2] Wrote batch of 1 metrics in 9.718497ms
2021-01-30T10:47:42Z D! [outputs.influxdb_v2] Buffer fullness: 0 / 10000 metrics
Random integer: 0.06563701921747622
2021-01-30T10:47:52Z D! [outputs.influxdb_v2] Wrote batch of 1 metrics in 7.499988ms
2021-01-30T10:47:52Z D! [outputs.influxdb_v2] Buffer fullness: 0 / 10000 metrics
```