

Process - Install and configure Telegraf for InfluxDB

This is to describe configuring telegraf output plugins to communicate with an InfluxDB database

Firstly add the package repository and install telegraf

```
source /etc/lsb-release
echo "deb https://repos.influxdata.com/${DISTRIB_ID,,} ${DISTRIB_CODENAME} stable" | tee -a /etc/apt/sources.list
curl -sL https://repos.influxdata.com/influxdb.key | apt-key add -
sudo apt-get update
sudo apt-get install telegraf
```

For a basic setup only a few lines will need to be modified in `/etc/telegraf/telegraf.conf`, you will find them in the "output plugins" section, most other options are optional

```
# Configuration for influxdb server to send metrics to
database = "<database name to use in InfluxDB>" # required
urls = ["http://<InfluxDB Server FQDN>:8086"] # required

#and optionally add username, password, and encryption settings
username = "<username>" # optional
password = "<password>" # optional
ssl_ca = "/etc/telegraf/ca.pem"
ssl_cert = "/etc/telegraf/cert.pem"
ssl_key = "/etc/telegraf/key.pem"
```

Now start the service and configure the service to start automatically

```
sudo systemctl start telegraf.service
sudo systemctl enable telegraf.service
```

By default the system is going to send metrics to the InfluxDB database, inspect the log files on both the metrics originating machine, the destination database machine for any errors

```
less /var/log/syslog # Debian/Ubuntu command
less /var/log/messages #RHEL/CentOS
```

Also, inspect the InfluxDB database, an example command to check that values are being recorded

`host@host:~$ influx` #enter the database

`> use <database name>` #select the database to use

```
> select last(uptime_format) from system where host =~ /^<host originating telegraf metrics>$/
```

