

DB2 Monitoring

Prerequisites

- InfluxDB (the host is the same as Grafana)
- Separated Linux host
 - Install and running telegraf
 - Install DB2 Client
 - Implement custom scripts

InfluxDB

?? database

```
> create database db2_mon with duration 180d
> create user mon with password 'thisispassword'
> grant read on db2_mon to mon
```

“ mon ?????? Grafana ? datasource ???

Telegraf

??????? telegraf-db2.conf

```
telegraf --input-filter exec --output-filter influxdb config > /etc/telegraf/telegraf-db2.conf
```

?????

```
[agent]
...
...
logfile = "/var/log/telegraf/telegraf-db2.log"

# Configuration for sending metrics to InfluxDB
[[outputs.influxdb]]
```

```

urls = ["http://10.10.2.209:8086"]
database = "db2_mon"
timeout = "0s"
username = "admin"
password = "Thispassword"

[[inputs.exec]]
    interval = "300s"

    ## Commands array
    #commands = [
    # "/tmp/test.sh",
    # "/usr/bin/mycollector --foo=bar",
    # "/tmp/collect_*.sh"
    #]
    commands = ["sudo -u db2mon sh -c '/home/db2mon/bin/collect_db2.v2.sh -d dcdb -a b_dcdb -u
dbuser -p dbpass'"]

    ## Timeout for each command to complete.
    timeout = "5s"

    ## measurement name suffix (for separating different commands)
    #name_suffix = "_mycollector"

    ## Data format to consume.
    ## Each data format has its own unique set of configuration options, read
    ## more about them here:
    ## https://github.com/influxdata/telegraf/blob/master/docs/DATA_FORMATS_INPUT.md
    data_format = "influx"

[[inputs.exec]]
    interval = "1h"
    commands = ["sudo -u db2mon sh -c '/home/db2mon/bin/collect_db2x1h.sh -d dcdb -a b_dcdb -u
dbuser -p dbpass'"]
    timeout = "5s"
    data_format = "influx"

### CENTDB

[[inputs.exec]]
    interval = "300s"

```


used by uncommitted transactions.

```
select DB_NAME, LOG_UTILIZATION_PERCENT, TOTAL_LOG_USED_KB, TOTAL_LOG_AVAILABLE_KB
       from sysibmadm.log_utilization
```

Connections

```
-- APPLS_CUR_CONS: Indicates the number of applications that are currently connected to the
database.
-- LOCKS_WAITING: Indicates the number of agents waiting on a lock.
-- NUM_INDOUBT_TRANS: The number of outstanding indoubt transactions in the database.
select DB_NAME,APPLS_CUR_CONS,LOCKS_WAITING,NUM_INDOUBT_TRANS from sysibmadm.snapdb
```

Transactions

```
-- □□□□□□□□
-- COMMIT_SQL_STMTS: The total number of SQL COMMIT statements that have been attempted.
-- ROLLBACK_SQL_STMTS: The total number of SQL ROLLBACK statements that have been attempted.
select COMMIT_SQL_STMTS, ROLLBACK_SQL_STMTS from sysibmadm.snapdb
```

Custom scripts

Learning

Archive Log Monitor

- [Generating Log Archive Activity Histograms](#)

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