

Procedure to Cleanup the Analytics Default (non-128T) Database

How-To Guide

Introduction

The intent of this guide is to go through the steps to remove the unneeded Influx default database instance that can cause all pre 4.1.2 systems to run out of memory.

Intended Audience

This guide is intended to share with customers and field engineers.

Prerequisites

- A router, HA or otherwise, that was initially installed at 4.1.1 or after should not be affected by these issues
- HA routers that are running at 4.1.0 or earlier are susceptible to issues
 - Use your discretion as to whether these issues are worth the possible customer concern
 - Each time an upgrade is performed to a version 4.1.0 or earlier, the steps will need to be repeated
- Standalone routers that are running 4.1.0 or earlier are not susceptible although there may be a small performance cost
- Routers that were upgraded from a version 4.1.0 or earlier may experience residual affects (assuming the corrective steps were not taken)
 - If the router has run on 4.1.1 or later for more than eight days, it should be in the clear
 - 4.2.0 and 4.1.4 will automatically resolve the known issues with no action required
- The script to fix this issue has already been uploaded staged on the ConvergeOne production conductors in MN and PA.

- The salt script can be run with or without 128T running. In this procedure, 128T will be running still.

Overview

The preferred method is to use salt to help push out the needed scripts to all affected routers as outlined in the Prerequisites above.

1. Download “influx-monitoring-disable-salt.tar.gz” to the conductor (salt master)
2. Untar it using the following command:

```
$ tar -xzvf influx-monitoring-disable-salt.tar.gz --directory /
```

3. Sync the state to all minions using the following command:

```
$ t128-salt '*' saltutil.sync_all
```

4. From the Conductor, create a list of all routers that are affected by issuing the following commands and note the “Asset Id”. In this example below, the only “Asset Id” that fits the prerequisites above is “wingblade”:

```
$ su amorris
Password:
Starting the PCLI...
# show assets
Tue 2019-07-30 21:04:47 UTC

=====
=====
Router          Node          Asset Id      128T
Version        Status        Errors
=====
=====
atlanta-site-01  piedmont      piedmont
4.1.3-1.el7.centos  running      0
berlin-site-01  berlin-site-01  berlin-site-01  None
disconnected    0
berlin-site-02  berlin-site-02  berlin-site-02
4.1.4-1.el7.centos  running      0
berlin-site-03  berlin-site-03  berlin-site-03
4.1.4-1.el7.centos  running      0
```

berlin-site-04	berlin-site-04	berlin-site-04	berlin-site-04	None
disconnected	0			
berlin-site-05	berlin-site-05	berlin-site-05	berlin-site-05	
4.1.4-1.el7.centos	running	0		
berlin-site-06	berlin-site-06	berlin-site-06	berlin-site-06	None
disconnected	0			
boston-site-01	ranger		fitlet2-1180118-01347	
4.1.5-1.el7.centos	running	0		
boulder-site-01	boulder-combo	boulderRouter	boulderRouter	None
disconnected	0			
conductor-field-eng	aws-vm	aws-i-0ae737706dd86cff7	aws-i-0ae737706dd86cff7	
4.1.5-1.el7.centos	running	0		
minneapolis-site-01	casper	casper	casper	None
disconnected	0			
minneapolis-site-02	evangelist	128t_Sorell	128t_Sorell	None
disconnected	0			
muenster-site-01	muenster-site-01	muenster-site-01	muenster-site-01	None
disconnected	0			
newmexico-site-01	Lunas	newmexico-128t-1	newmexico-128t-1	
4.1.4-1.el7.centos	running	0		
nuremberg-dc-01	nuremberg-dc-01	nuremberg-dc-01	nuremberg-dc-01	
4.1.4-1.el7.centos	running	0		
seattle-site-01	northsister	northsister	northsister	
4.1.5-1.el7.centos	running	0		
	southsister	southsister	southsister	
4.1.5-1.el7.centos	running	0		
seattle-site-02-lanner	grimlock	grimlock	grimlock	
4.1.4-1.el7.centos	running	0		
seattle-site-02-ztp	adam-aws-ztp	wingblade	wingblade	
4.1.0-1.el7.centos	running	0		
seattle-site-03	corp-west-node-ryan	ncricket2.lab	ncricket2.lab	
4.1.5-1.el7.centos	running	0		

- For each of the router “Asset Id”s identified in step 4 above, run the following commands to **pretest** from the Linux shell that it will work (below was an example of a successful output):

```
$ sudo t128-salt '<asset-id>' state.apply test=True influx_monitoring_disabled
wingblade:
-----
      ID: influx_monitoring_disabled
  Function: influx_monitoring_disabled.run
    Result: None
   Comment: Monitoring would be disabled
```

```
Started: 20:47:51.179945
Duration: 21.293 ms
Changes:
-----
info:
    Monitoring is not disabled in the process list
```

Summary for **<asset-id>**

Succeeded: 1 (**unchanged=1**, changed=1)

Failed: 0

Total states run: 1

Total run time: 21.293 ms

Exception ignored in: <generator object _stream_return at 0x7f7d78ff0d58>

Traceback (most recent call last):

File

"/usr/lib/128technology/python/salt/venv/lib/python3.6/site-packages/salt/transport/tcp.py", line 1013, in _stream_return

AttributeError: 'NoneType' object has no attribute 'StreamClosedError'

6. Assuming the pretest was a success in item 5 above, execute the following commands to remove this unneeded database instance (below was an example of a successful output):

```
$ sudo t128-salt '<asset-id>' state.apply influx_monitoring_disabled
wingblade:
```

```
-----
ID: influx_monitoring_disabled
Function: influx_monitoring_disabled.run
Result: True
Comment: Monitoring was successfully disabled
Started: 20:48:05.875232
Duration: 3488.888 ms
Changes:
```

Summary for **<asset-id>**

Succeeded: 1

Failed: 0

Total states run: 1

Total run time: 3.489 s

Exception ignored in: <generator object _stream_return at 0x7fd10b31bd58>

Traceback (most recent call last):

```
File
"/usr/lib/128technology/python/salt/venv/lib/python3.6/site-packages/salt/transport/t
cp.py", line 1013, in _stream_return
AttributeError: 'NoneType' object has no attribute 'StreamClosedError'
```

7. To verify it worked, execute the following commands to query all influx databases and verify the “_internal” database has been **removed** (below was an example of a successful output):

```
$ sudo t128-salt '<asset-id>' cmd.run "influx -execute 'show databases'"
wingblade:
  name: databases
  name
  ----
  t128
Exception ignored in: <generator object _stream_return at 0x7f3c5c00ae08>
Traceback (most recent call last):
  File
"/usr/lib/128technology/python/salt/venv/lib/python3.6/site-packages/salt/transport/t
cp.py", line 1013, in _stream_return
AttributeError: 'NoneType' object has no attribute 'StreamClosedError'
```

8. Repeat steps 5-7 for all “asset-id”s

Further Resources

None