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fluentdを使ったNew Relic Logs 初期セットアップ手順

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本資料の目的

Linux上のファイルシステムにあるログをfluentd(td-agent)を使って
New Relic Logsに転送するためのセットアップ手順を解説しています

手順はCentOS 7.7を使っていますが、
td-agentがサポートしている環境であれば同様の手順でセットアップできます

手順1 td-agentのインストール

td-agentを公式ドキュメントに従ってインストールしてください
https://www.fluentd.org/download
td-agentではなくfluentdをインストールして利用することも可能です

NTP, File Descriptor, ネットワークパラメーターなど事前設定の確認はこちら

CentOS 7.7でのコマンドは以下

```
curl -L https://toolbelt.treasuredata.com/sh/install-redhat-td-agent3.sh | sh
sudo systemctl enable td-agent.service
sudo systemctl start td-agent.service
#起動していることを確認
sudo systemctl status td-agent.service
```

オプション rootユーザーでの実行

運用環境では非推奨ですが、今回のサンプル手順を動かすにあたって、
簡単のためにtd-agentサービスをrootユーザーで動かすように変更します。

デフォルトではtd-agentユーザーで実行されるため、
アクセスするファイルなどの権限を調整することになります

```
sudo cp /usr/lib/systemd/system/td-agent.service /etc/systemd/system/
sudo vi /etc/systemd/system/td-agent.service
# User=td-agentをUser=rootに変更して保存

sudo systemctl stop td-agent.service
sudo systemctl daemon-reload
sudo systemctl start td-agent.service
```

```
[clouduser@mycentos ~]$ ps aux | grep td-agen[t]
root       2871  0.0  1.8 239256 35640 ?        Sl   01:35   0:00 /opt/td-agent/
embedded/bin/ruby /opt/td-agent/embedded/bin/fluentd --log /var/log/td-agent/td-
agent.log --daemon /var/run/td-agent/td-agent.pid
root       2876  0.1  2.2 247360 44888 ?        Sl   01:35   0:00 /opt/td-agent/
embedded/bin/ruby -Eascii-8bit:ascii-8bit /opt/td-agent/embedded/bin/fluentd --l
og /var/log/td-agent/td-agent.log --daemon /var/run/td-agent/td-agent.pid --unde
r-supervisor
```

```
[clouduser@mycentos ~]$ systemctl status td-agent.service
● td-agent.service - td-agent: Fluentd based data collector for Treasure Data
   Loaded: loaded (/etc/systemd/system/td-agent.service; enabled; vendor preset:
 disabled)
   Active: active (running) since 月 2020-01-27 01:35:27 UTC; 8min ago
     Docs: https://docs.treasuredata.com/articles/td-agent
  Process: 2847 ExecStop=/bin/kill -TERM ${MAINPID} (code=exited, status=0/SUCCE
SS)
  Process: 2862 ExecStart=/opt/td-agent/embedded/bin/fluentd --log /var/log/td-a
gent/td-agent.log --daemon /var/run/td-agent/td-agent.pid $TD_AGENT_OPTIONS (cod
e=exited, status=0/SUCCESS)
 Main PID: 2871 (fluentd)
   CGroup: /system.slice/td-agent.service
           ├─2871 /opt/td-agent/embedded/bin/ruby /opt/td-agent/embedded/bin/...
           └─2876 /opt/td-agent/embedded/bin/ruby -Eascii-8bit:ascii-8bit /op...
```

手順2 newrelicプラグインのインストール

New Relicのドキュメントに従ってインストールします

```
sudo td-agent-gem install fluent-plugin-newrelic
```

設定例: ファイルのログを転送する

/var/log/myapp/sample.log ファイルを転送する

```
sudo mkdir /var/log/myapp
sudo vi /etc/td-agent/td-agent.conf
# =>右側の<match>と<source>ディレクティブを追加する

sudo systemctl restart td-agent.service
echo 'Hello New Relic Logs!' | sudo tee -a /var/log/myapp/sample.log
```

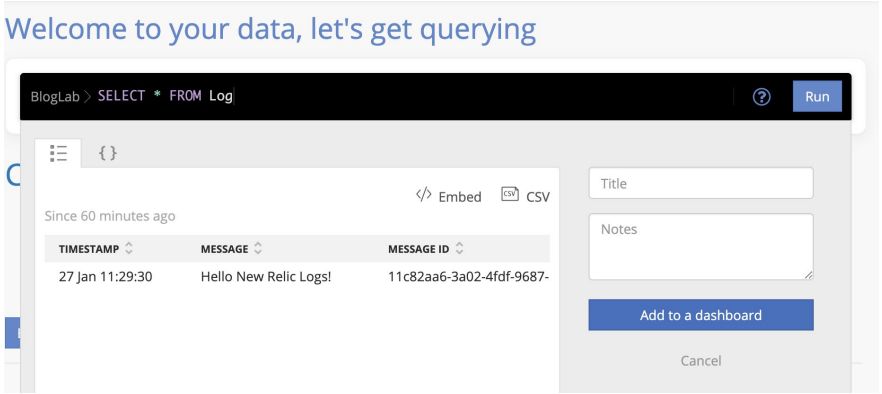
```
<match nr.**>
  @type newrelic
  license_key <ライセンスキー>
</match>

#中略(matchとsourceの順番を守る)

<source>
  @type tail
  @id input_tail
  <parse>
    @type none
  </parse>
  path /var/log/myapp/sample.log
  pos_file /var/log/myapp/sample.log.pos
  tag nr.myapp.log
</source>
```

New Relic UIで動作確認する

Insight



New Relic One (Logs)