

New Relic Infrastructure Agent with Azure Databricks

This readme provide instructions to deploy along with apache spark on host integration on Azure databricks platform.

This is a beta version for use in POC environment only

Instructions

1. Create a new notebook to deploy the cluster initialization script
2. Configure **<NR_WORKING_FOLDER>** with the location to put the init script.
3. Replace **<NR_LICENSE_KEY>** with your New Relic license.
4. Run this notebook to create the script newrelic_install.sh in /tmp folder.
5. Configure a cluster with the **newrelic_install.sh** cluster-scoped init script using the UI, Databricks CLI, or by invoking the Clusters API.

```
dbutils.fs.put("dbfs:/<NR_WORKING_FOLDER>/newrelic_install.sh", ""
#!/bin/sh

echo "Check if this is driver? $DB_IS_DRIVER"
echo "Spark Driver ip: $DB_DRIVER_IP"

# Create Cluster init script
cat <<EOF >> /tmp/start_nr.sh

#!/bin/sh

if [ \ $DB_IS_DRIVER ]; then
    # Root user detection
    if [ \$(echo "$UID") = "0" ];
    then
        sudo=' '
    else
        sudo='sudo '
    fi
    echo "license_key: <NR_LICENSE_KEY>" | \ $sudo tee -a /etc/newrelic-
infra.yml

    #Download upstart based installer to /tmp
    \ $sudo wget
https://download.newrelic.com/infrastructure_agent/linux/apt/pool/main/n/n
ewrelic-infra/newrelic-infra_upstart_1.3.27_upstart_amd64.deb -P /tmp

    # Install NR Agent
    \ $sudo dpkg -i /tmp/newrelic-infra_upstart_1.3.27_upstart_amd64.deb

    #Download nr-nri-spark integration
    \ $sudo wget https://github.com/hsinghkalsi/nr-azure-databricks-
config/releases/download/1.0/nr-nri-spark.tar.gz -P /tmp
```

```
#extract the contents to right place
\sudo tar -xvzf /tmp/nr-nri-spark.tar.gz -C /

# GRAB PORT for masterUI
while [ -z \${isavailable} ]; do
  if [ -e "/tmp/master-params" ]; then
    DB_DRIVER_PORT=\$(cat /tmp/master-params | cut -d' ' -f2)
    isavailable=TRUE
  fi
  sleep 2
done

# configure spark instances
echo "sparkmasterurl: http://\${DB_DRIVER_IP}:\${DB_DRIVER_PORT}
clustername: \${DB_CLUSTER_ID}" > /var/db/newrelic-infra/custom-
integrations/nr-nri-spark-settings.yml

fi
EOF

# Start
if [ \${DB_IS_DRIVER} ]; then
  chmod a+x /tmp/start_nr.sh
  /tmp/start_nr.sh >> /tmp/start_nr.log 2>&1 & disown
fi

"",True)
```