

IBM Information Bus plugin for New Relic

Summary

The WebSphere IIB plugin subscribes to the resource and accounting statistics topics on the WebSphere MQ on which the Broker runs and creates insights events.

Plugin requirements

1. Internet access via SSL (HTTPS)
2. Java Runtime version 1.7 or later
3. IBM WebSphere Message Broker v7/8 or IBM Information Bus v9/10
4. The Message Broker Statistics collections must be enabled for all the brokers or execution groups. The output format must be XML.
5. Firewall requirements. There are two TCP connections made by this plugin. One is to the WebSphere MQ and the other to the *New Relic collector service*. Ensure that there is connectivity and if proxy server is needed for the metric data to be sent to New Relic.

Installation

Unzip the iib-monitor.tar.gz file into the plugin home folder.

```
cd {iib-monitor-home}
tar xvf iib-monitor.tar
```

Set the JAVA_HOME in the start up script (start.sh) by adding the setting below some at the top of the file

```
set JAVA_HOME={Path_to_JRE_home}
```

Leave the Main class as it is for running this plugin as an insights agent reporting metrics and events to New Relic Insights

```
MAIN_CLASS=com.newrelic.fit.insights.messagebroker.Main
```

Update the startup script with the “**-Dnewrelic.platform.config.dir**” parameter. Without this parameter (or with the default value of ./config), the startup script can only be executed successfully from the {iib-monitor-home} folder. When using startup.sh, simply update the APP_HOME variable that will setup this property.

```
APP_HOME="{path-to-app-home}"
```

Configuration

NEWRELIC.JSON

Rename the newrelic.template.json to newrelic.json. Update license key and log level.

Update the license_key

```
"license_key": "YOUR_LICENSE_KEY_HERE"
```

Update the following properties for the agent to be able to send Insights events to your account.

```
"insights_endpoint": "http://insights-collector.newrelic.com/v1/accounts/  
{account-id}/events",  
"insert_key": ""
```

It is typical that a proxy server is required for internet connectivity that is required for sending data to New Relic Collectors. In that case, the proxy server configuration should be provided in the .\config\newrelic.json file.

```
"proxy_host": "proxy.mycompany.com",  
"proxy_port": 9000
```

Update the guid entry. It can be any reverse URL like entry. The last part of the guid is used as the display name for this plugin by the New Relic Plugins. This property is not used when this extension is running in insights mode.

```
"guid": "com.newrelic.expertservices.websphere.messagebroker"
```

PLUGIN.JSON

Rename the plugin.template.json to plugin.json. Edit all parameters to your environment.

```
{  
  "agents": [  
    {  
      "name": "",  
      "host": "",  
      "port": 1414,
```

```
        "login": false,
        "username": "",
        "password": "",
        "queueManager": "",
        "channel": "SYSTEM.DEF.SVRCONN",
        "topicNameResourceStatistics": "$SYS/Broker/+/
ResourceStatistics/#",
        "topicNameStatisticsAccounting": "$SYS/Broker/+/
StatisticsAccounting/#",
    }
]
}
```

ENABLE STATISTICS ON WEBSHERE MESSAGE BROKER

Run the following command on each IIB host to enable statistics collection in XML format

```
mqsichangeflowstats brokername -s -g -j -c active -o xml
```