DB2 connectivity check

Introduction

Individual applications such as IBM Connections, IBM Traveler, IBM Sametime, etc.. are using mainly DB2 Databases in the back-end. Therefore it is pretty important to monitor the connectivity against these Databases o a regular basis.

The following example demonstrates how you can achieve a simple DB2 connectivity check with GreenLight.

Configuration

For this configuration we are going to use our Linux Shell Script Sensor. This Sensor provides the maximum flexibility.

- Before you can perform this DB2 connectivity check you need to request the following files from panagenda support. At the moment these files are not part of the appliance. In addition to that the customer has to upload the right DB2 jdbc driver to the virtual appliance box.

  ramkin-connectors
  db2connect.sh
  db2jcc4.jar   --> jdbc driver for your DB2 version

- **open/modify the db2connect.sh file**

  enter the password for the db2 database next to "password= "

    e.g.
      DB2Result=`java -Dgl.jdbc.url="jdbc:db2://"$1":"$3"/"$4":user="$5";password=**mypassword**;" -c

- **upload these files to your GreenLight appliance**

  create a folder db2 underneath of /opt/panagenda/share
    ==> /opt/panagenda/share/**db2**

        * upload the db2jcc4.jar AND ramkin-connectors-1.0.jar into that folder

        * upload DB2Connect.sh to /opt/panagenda/scripts/gl_sensors

- **create a Linux Shell Script Action (GreenLight Frontend)**
  in this example we want to check the database connectivity against the homepage db of IBM Connections

        Filename: DB2Connect

        Parameters:
            Portnumber
            db name
            username

          e.g.
            50000
            homepage
            lcuser

on the *Targets* Tab please add your DB2 server
Make sure that you use the FQDN of the DB2 server
    e.g

Result:

Whenever the measurement was successful you get the value 1
    if it was not successful you get a 0 back

So you could use this information then for an action
    e,g.,

Run this action when ...

```
${result.details['greenlight.shell.script.db2.check.successful']!=1}
```

copy/paste: ${result.details['greenlight.shell.script.db2.check.successful']!=1}

SMTP Mail
Step 2 of 3: Notification Message

Type   Failure ▼   ☐ Send Status Reset Message   ☐ Override Message Text

Message

Templates   Custom ...   ▼

Short Text   DB2 on Server ${config.nodeDefinition.host} is $[ActionStatus_UpDown]

As you already know from other example, you could even depict this information on the Health Grid Level

Server	Domino Tasks	DB2 - Connections Users			DB2 - Connections							
Name	Summary	Active	Inactive	Total	wikis	profiles	homepage	forums	files	commun...	blogs	bookmarks
klorel.panagenda.local		56	5	61	● 1	● 1	● 1	● 1	● 1	● 1	● 1	● 1
persus.panagenda.com												

Conclusion

This is just a simple example how you can perform a connectivity test against a DB2 Database our of GreenLight