BizAuth HeartBeat Plugin for UTC

# Objective:

This BizAuth hearbeat plugin is meant for transferring the updated userdata and licensedata between the control center and policy controller. Requirements are based on Section 4.4 from “*UTC- Export Authorization System Solution Document V0.4*” document.

# Scope & Design:

The Server side jar and client side jar are there in the package. These two jars deployed in the control center and policy controller for the transfer of data between the server and client.

## Assumption:

1. The heartbeat Frequency set in the policy controller profile in the control center should be greater than 5 mins.

# Distribution and Deployment:

All the files and jars needed for the system or present in the .zip file. Extract all contents of this .zip file to any temporary folder and follow the below installation steps.

## Policy Server Deployment:

1. Stop the policy server by stopping the policy server service in the services window.
2. Create below folders, if do not exist.
   1. [NextLabs install home]/Policy Server/server/plugins/config
   2. [NextLabs install home]/ Policy Server/server/plugins/jar/utc
   3. [NextLabs install home]/ Policy Server/server/plugins/jar/utc/data
3. From the extracted contents of the .zip file, copy below files;
   1. Copy BizAuthIntegrationServer\_HB property file in config folder to [--]/Policy Server/server/plugins/config
   2. Copy BizAuthIntegrationServer jar file in jar folder [--]/Policy Server/server/plugins/jar/utc
   3. Copy Common\_HB config file in config folder [--]/Policy Server/server/plugins/jar/utc
4. In the BizAuthIntegrationServer\_HB properties set the sql\_jdbc\_connectionstring variable correctly according to the serer,port and schema name of BizAuth License DB Server.
5. Start the policy server from Services window.

To check whether the plugin has been deployed perfectly in the Policy server check in the log files for “BizAuthIntgPlugin -- initialized” , if it is there in the log the plugin has been deployed properly in the server.

## Policy Controller Deployment:

* + - 1. Stop the policy Controller
      2. Create below folders, if do not exist.
         1. [NextLabs install home]/Policy Controller/jservice/config
         2. [NextLabs install home]/Policy Controller/jservice/jar/utc/data
         3. [NextLabs install home]/Policy Controller/jre/lib/ext
      3. From the extracted contents of the .zip file, copy below files;
         1. Copy BizAuthIntegrationClient\_HB property file in config folder to [--]/Policy Controller/jservice/config
         2. Copy Common\_HB propery file in config folder to [--]/Policy Controller/jservice/jar/ utc
         3. All jar files in xlib folder to [--]/PolicyController/jservice/ext
         4. Copy BizAuthIntegrationClient jar file in jars folder to [--]/Policy Controller/jservice/jar/ utc
         5. Copy BizAuthDB.script file in config folder to [--]/Policy Controller/jservice/jar/ utc/data
      4. Start the policy controller.

To check whether the plugin has been deployed perfectly in the Policy Controller check in the log files for “BizAuthIntgPlugin -- initialized” , if it is there in the log the plugin has been deployed properly in the Policy controller.

# 4. Uninstallation:

## 4.1 Policy Server:

1. Stop the policy server by stopping the policy server service in the services window.
2. From the policy server installation folder remove the following files
   1. Remove BizAuthIntegrationServer\_HB property file in config folder from [--]/Policy Server/server/plugins/config
   2. Remove BizAuthIntegrationServer jar file in jar folder from [--]/Policy Server/server/plugins/jar/utc
   3. Remove Common\_HB config file in config folder from [--]/Policy Server/server/plugins/jar/utc
3. Start the policy server from Services window.

## Policy Controller:

1. Stop the policy Controller
2. From the policy controller installation folder remove the following files
   1. Remove BizAuthIntegrationClient\_HB property file in config folder from [--]/Policy Controller/jservice/config
   2. Remove Common\_HB propery file in config folder from [--]/Policy Controller/jservice/jar/ utc
   3. All jar files in xlib folder to [--]/Policy Controller/PolicyController/jservice/ext
   4. Remove BizAuthIntegrationClient jar file in jars folder from [--]/Policy Controller/jservice/jar/ utc
   5. Remove BizAuthDB.script file in config folder from [--]/Policy Controller/jservice/jar/ utc/data

` 3. Start the policy controller.