**Build Environment for PUMA Automation**

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QA team have design the automation scripts with smoke test module of PS. We can use the robot framework and python code to execute the automation script in the BVT environment. This document is help you to initialize an environment in your dependent device.

First, you need prepare TWO computers: One for install the PS system and another is to execute the automation scripts.

## Execute Server

On the automation environment, do these operations as follow:

1. Install the Python SDK.
   1. The version should be 3.7.4, you can get the software from: [\\10.112.20.236\Software\AutomationTools](file:///\\10.112.20.236\Software\AutomationTools) .
   2. Install the python by **customize** and setup the software for **everyone** that the default install path will map to **%program file%**
   3. Check on the option “**Add ENV path to system**”, **PIP** module and other options if you wants.
2. Install the robot framework and ride:
   1. You can install the latest version of them with CMD as follow:

*pip install robotfamework-ride*

* 1. Or use the follow CMD to install Specify version:
     + Run “pip install robotframework == 3.1.2” to install robotframework
     + Run “pip install Pypubsub==3.3.0” to install Pypubsub
     + Run ”pip install wxPython==4.0.3” to install wxPython
     + Run “pip install robotframework-ride” to install robotframework-ride
     + Run “pip list” to check if installed successfully

1. Go to the Python install path and enter the scripts folder and execute the CMD to open the ride:

*Python python\_installpath\scripts\ride.py*

If the ride application startup successfully, add the shortcut to desktop. [Tools🡪 Create RIDE desktop shortcut].

1. Install the .net framework 3.5 environment. In windows 2016, you can enable it in the server management panel.
2. Check out the automation scripts to local disk from SVN: https://shgwp1065/svn/kiosk/documents/QA Team/
3. If you do not checkout the scripts to the default path [**D:\PUMA\_AUTO**]. You must change the PS server IP address and real file path with the follow steps&files:
   * ..\\PUMA\_AUTO\RunnerSmoke\config.ini
   * ..\\PUMA\_AUTO\Runner\config.ini
   * ..\\PUMA\_AUTO\RF\_PUMA\PUMA\Libs\PUMA\_ParameterAndSettings\ Configurationlib.py
   * ..\\PUMA\_AUTO\RF\_PUMA\PUMA\Libs\PUMA\_ParameterAndSettings\ configuration.json
   * ..\\PUMA\_AUTO\RF\_PUMA\PUMA\Tool\WaterMark\SCU\ dcmpstat.cfg.scu, printers.cfg
4. Add “PYTHONPATH= ..\\PUMA\_AUTO\RF\_PUMA\PUMA\Libs” to environment Variables and restart server
5. Copy “ms song.ttf” font to [Python install path]\Lib\site-packages\reportlab\fonts folder. You can get the file from [\\10.112.20.236\Software\AutomationTools](file:///\\10.112.20.236\Software\AutomationTools)
6. Print the DICOM file to PS system with the sample one in ..\\\PUMA\_AUTO\RF\_PUMA\PUMA\Tool\WaterMark\sample.dcm
7. Install the powershell5.1 if your version is not. You can get the tool from [\\10.112.20.236\Software\powershell](file:///\\10.112.20.236\Software\powershell)

## PS Server

On the PS system environment, do these operations as follow:

1. Install PDFCreator from [\\10.112.20.236\Software\AutomationTools](file:///\\10.112.20.236\Software\AutomationTools) and set PDFCreator as default printer. I suggest use the latest version and make the default pdf archived to local disk with day`s folder. You can record this step and make it to your Hyper-V check point or backup-files.
2. Run integration auto install scripts to map RIS as local table: [\\10.112.20.236\Software\AutomationTools\Auto\_Integration\_from\_Ralf](file:///\\10.112.20.236\Software\AutomationTools\Auto_Integration_from_Ralf). You can record this step and make it to your Hyper-V check point or backup-files.
3. Run the below DB scripts from [\\10.112.20.236\Software\AutomationTools](file:///\\10.112.20.236\Software\AutomationTools)

* OCRConfiguration\_Data.sql
* Wggc\_data.sql

1. Copy “VPConfig.xml” to “C:\Program Files\GX Platform\GXWeb\Site\service\ReportService\” from [\\10.112.20.236\Software\AutomationTools](file:///\\10.112.20.236\Software\AutomationTools)
2. Share the report folder E:\Report and give the “everyone” user **[full control]** right.
3. Give the “everyone” user **[full control]** right.
4. Install the powershell5.1 if your version is not. You can get the tool from \\10.112.20.236\Software\powershell
5. Restart the PS service and server.

## Other:

QA team will try to automation these steps to auto scripts to future. If anyone want to volunteer , please let me know.