AutoInstall Help

1. Welcome

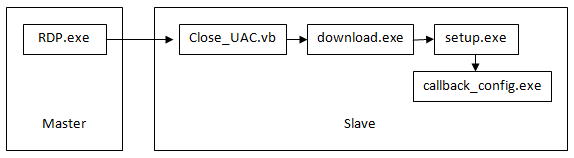
AutoInstall is a utility for installing software and configuring environment variables. It can help you to build environment such as BTS, RNC, TM500. All those actions will be done [automatically](http://cn.bing.com/dict/clientsearch?mkt=zh-CN&setLang=zh&form=BDVEHC&ClientVer=BDDTV3.5.0.4311&q=%E8%87%AA%E5%8A%A8%E5%9C%B0).

This program [implemented](http://cn.bing.com/dict/clientsearch?mkt=zh-CN&setLang=zh&form=BDVEHC&ClientVer=BDDTV3.5.0.4311&q=%E5%AE%9E%E7%8E%B0" \t "_blank) [by](http://cn.bing.com/dict/clientsearch?mkt=zh-CN&setLang=zh&form=BDVEHC&ClientVer=BDDTV3.5.0.4311&q=%E5%AE%9E%E7%8E%B0" \t "_blank) RDP, FTP, Telnet and be programmed by Python, AutoIt and VBS.

1. Using AutoInstall

### 2.1 Program Structure

The picture below shows installation process for one PC.



### 2.2 Storage Path

All those program are stored on FTP Server.

Address: 10.69.195.222

Username: microrec

Password: microrec

Path:/TA/AutoInstall/SW

|  |  |
| --- | --- |
| /TA/AutoInstall/SW | download.exe |
| Close\_UAC.vbs |
| setup.exe |
| callback\_config.exe |
| update\_java\_env.bat |
| update\_python\_env.bat |
| setx.exe |
| (All setup program) |
| /TA/AutoInstall/Beta/AutoInstall\_V1.0 | AutoInstall.py |
| rdp.exe |
| LRC minicfg env HW info.xlsx |

3. Program Features

### 3.1 RDP.exe

At first, it will connect to slave PC by RDP. Then, this program will executes different actions depend on different IP. Different ip means different type. *Close\_UAC.vbs* and *xxx\_download.exe* will be downloaded. At last , execute downloaded programs.

### 3.2 Close\_UAC.vbs

This script program will closes the UAC of the slave PC.

### 3.3 download.exe

This program will download different setup programs depends on different type.

|  |  |
| --- | --- |
| BTS | python-2.7.10.msi |
| jre-6u13-windows-x64-p.exe |
| robotframework-2.8.4.win32.exe |
| robotframework-ride-1.3.win32.exe |
| robotframework-master\_2.9.1.zip |
| wxPython3.0-win32-3.0.2.0-py27.exe |
| TortoiseSVN-1.8.8.25755-x64-svn-1.8.10.msi |
| DCT | python-2.7.10.msi |
| TortoiseSVN-1.8.8.25755-x64-svn-1.8.10.msi |
| RNC | python-2.7.10.msi |
| TortoiseSVN-1.8.8.25755-x64-svn-1.8.10.msi |
| TM500 | python-2.7.10.msi |
| TortoiseSVN-1.8.8.25755-x64-svn-1.8.10.msi |
| robotframework-2.8.4.win32.exe |

In order to install those setup programs, *setup.exe*  should be downloaded.

*setup.exe*  is the main program to install those setup programs in the table above. Another needed programs will be download ,such as *callback\_config.exe*, *update\_java\_env.bat, update\_python\_env.bat, setx.exe* and so on.

After all programs we need be downloaded, this program will start *setup.exe*  to install setup programs.

### 3.4 setup.exe

This program Simulates keystrokes and mouse movements to install setup programs. Different type will install different programs.

When those programs are installed, it will return a message to Master PC.At last ,it will starts *callback\_config.exe*

### 3.5 callback\_config.exe

This program will configures DNS and Router to ensure correct operations of SVN .Then ,it will find some paths depends on different type and returns configuration parameters to Mater PC. At last, it executes checkout action by SVN and returns the successd message.

Commands Reference

The installation process needs to start on a master PC, this PC requires some prerequisites to run the program.

1. Telnet Server should be installed

/TA/AutoInstall/SW/telnetdSetup.exe

1. LRC minicfg env HW info.xlsx is needed to guides this process
2. SVN should be installed and checkout requires files
3. Directory “D:\IVLRC3G\_Robot\configs\environment\_parameter” must be existed
4. Directory “D:\LiZiqiang\auto\_install\” should contain cmd\_exec.py and get\_mmt\_port.py.

*AutoInstall.py* reads configuration information from *LRC minicfg env HW info.xlsx* .we can catch those information which type of PC environment will be installed depends on different IP. In order to execute *AutoInstall.py* , two parameters should be given.

#Parameter1： line(install a line)

#Parameter2： IP of BTS(install a line)

* 1. Install alone PC (TM500、BTS、DCT、RNC)

Model: rdp IP pc\_type dev\_type……

#Example1：rdp 10.69.6.28 BTS null //install alone PC

#Example2：rdp 10.69.6.37 TM500 A //install several PC

* 1. Install BTS line ( include: BTS, DCT, RNC, TM500)

Model: AutoInstall.py line IP\_of\_BTS1 IP\_of\_BTS2 IP\_of\_BTS3 ……

#Example1： AutoInstall.py line 10.69.6.36 //install one line

#Example2： AutoInstall.py line 10.69.6.36 10.69.6.27 //install two lines