AutoInstall Help

1. Welcome

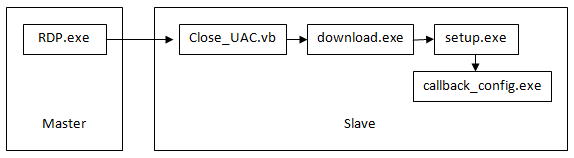
AutoInstall is a utility for installing software and configuring environment variables. It can help you to build environment such as BTS, RNC, and TM500. All those actions will be done [automatically](http://cn.bing.com/dict/clientsearch?mkt=zh-CN&setLang=zh&form=BDVEHC&ClientVer=BDDTV3.5.0.4311&q=%E8%87%AA%E5%8A%A8%E5%9C%B0).

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 programs 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 |
| cmd\_exec.py |
| get\_mmt\_port.py |

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 *download.exe* will be downloaded. After that, downloaded programs will be executed.

### 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 above table. All other 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. After that, it invokes *callback\_config.exe*

### 3.5 callback\_config.exe

This program will configures DNS and Router to meet the network requirement for SVN connection. It will find some paths depend on control PC type and returns configuration parameters to Mater PC. At last, it executes checkout action and returns the succeed 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 (You can also use mytelnet.exe in case GoodTech Telnet Server cannot be installed) and python (external module xlrd is required) should be installed

/TA/AutoInstall/SW/telnetdSetup.exe

1. SVN should be installed and Directory “D:\IVLRC3G\_Robot\configs\environment\_parameter” must be checked out
2. Download all files in /TA/AutoInstall/Beta/AutoInstall\_V1.0 to Directory “D:\LiZiqiang\auto\_install\” and executes Autoinstall.py there.

*MyTelnet.exe* must be start from cmd window with username *upl1-tester* and password *btstest*.

File *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

Open a cmd window and go to “D:\LiZiqiang\auto\_install\”,

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

#Example2：rdp 10.69.6.37 TM500 A //install tm500 PC

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

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

Open a cmd window and go to “D:\LiZiqiang\auto\_install\”, run

#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