

KBSW180129 Win32-slamware

configure_network_demoAPSTA

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- - Visual Studio 2010 SP1
 - Slamware Windows SDK:[Slamware Windows SDK](#)
 - RoboStudio():[Robostudio installer](#)
 - Sample Code:



Visual Studio

Visual Studio 2010SP1.Net FrameworkSP1

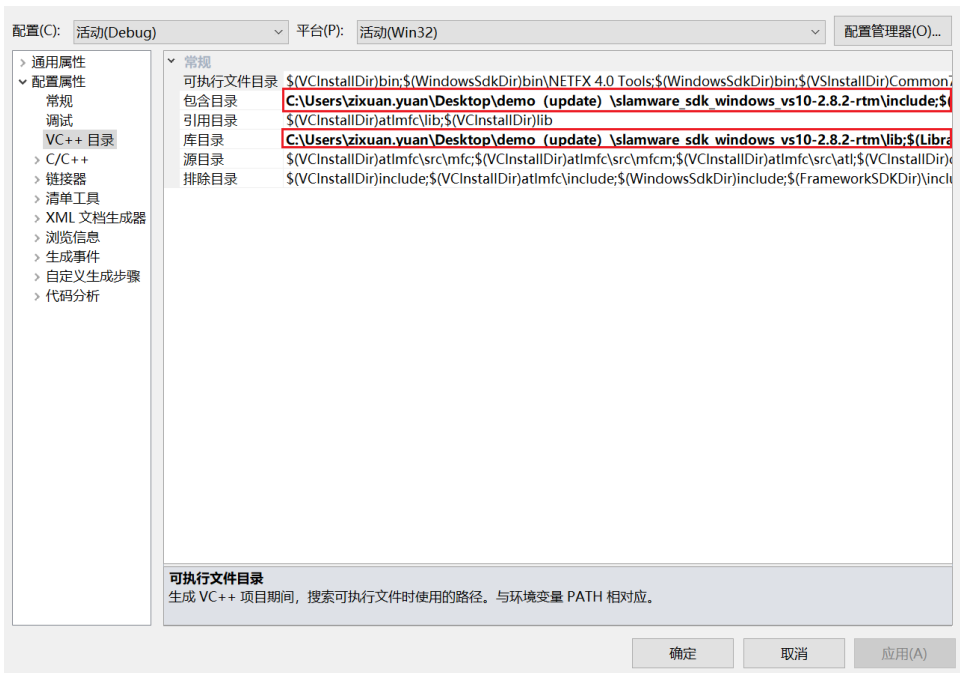
- - Slamware SDP mini
 - Slamware Slamware
 - Apollo/Ares/Athena
-

Win32-

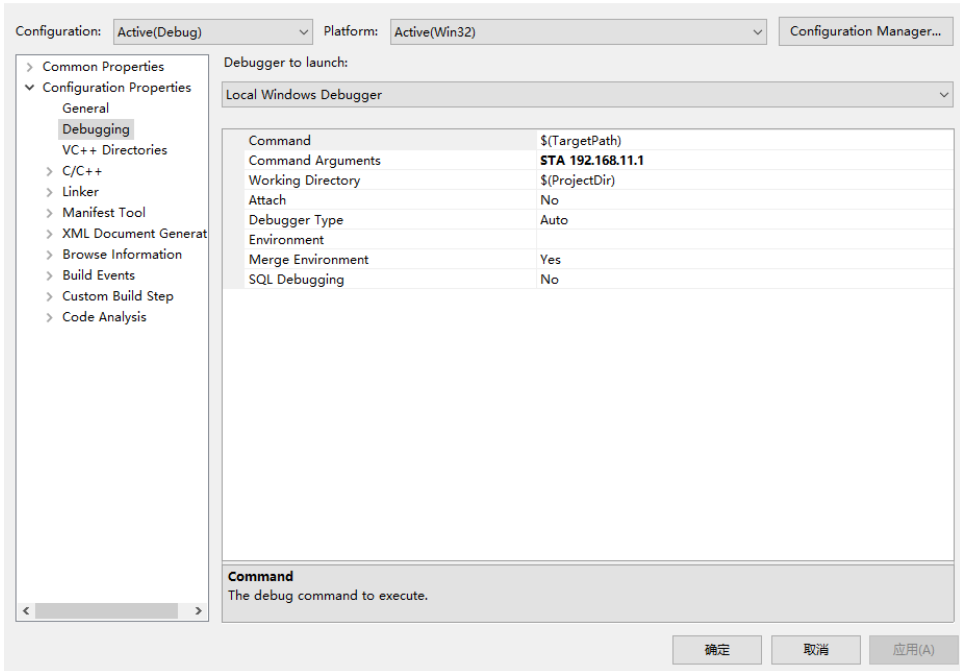
1. samplesconfigure_network_demo, StartUp project

- Solution 'samples' (9 projects)
- > artifacts_demo
- > composite_map_demo
- > **configure_network_demo**
- > get_laser_scan
- > get_power_status
- > get_sensor_value
- > go_home_to_charge
- > move_to_spot
- > rotation_action_demo

2. configure_network_demo, Slamware SDK includelib



3. `configure_network_demo`, `propertiesCommand` Arguments



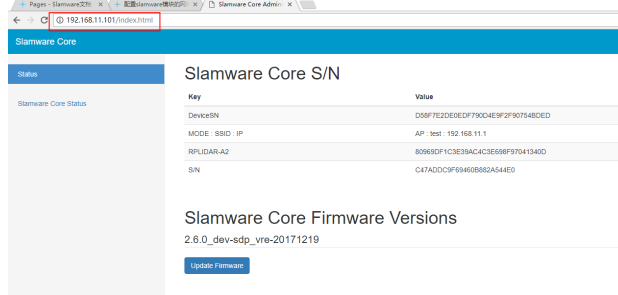
configure_network_demo	[OPTS] <SDP IP Address>
slamware_address	The ip address string of the SLAMWARE SDP.
AP	Configure network in AP mode.
STA	Configure network in STA mode.
--disable-dhcp	disable dhcp.
--enable-dhcp	enable dhcp.
--disable-wifi	disable wifi
-h	Show this message

4. **F5**
5. **APSTA**

- AP
wifi, IP

```
PS C:\Users\LW\Desktop\SDK\samples\samples\Debug> .\configure_network_demo.exe 192.168.11.1 AP
Connecting SDP @ 192.168.11.1...
SDK Version: 2.5.0_dev
SDP Version: 2.6.0_dev-sdp_vre-20171219
Configure network in AP mode
ssid: test
password: 12345678
IP: 192.168.11.101
channel: 6
Configuring network, please use the new setting to connect the next time
PS C:\Users\LW\Desktop\SDK\samples\samples\Debug>
```

wifitest12345678slamware AP 192.168.11.101slamware192.168.11.1



wifi6

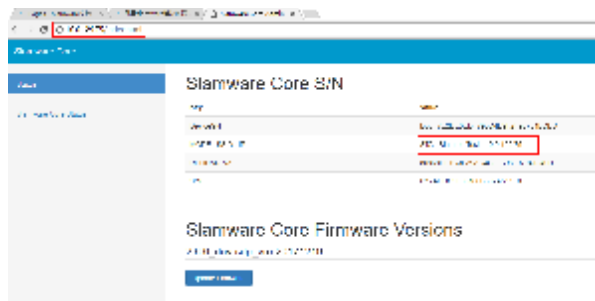


- STA

IP

```
PS C:\Users\LW\Desktop\SDK\samples\samples\Debug> .\configure_network_demo.exe 192.168.11.1 STA
Connecting SDP @ 192.168.11.1...
SDK Version: 2.5.0_dev
SDP Version: 2.6.0_dev-sdp_vre-20171219
Configure network in station mode
Please enter Wifi Name:
Slamtec-Test
Please enter Wifi password:
[REDACTED]
Configuring network, please use the new setting to connect the next time
```

slamwareIP10.0.129.75



disable/enable DHCP, disable WIFI,

- slamwareAP

AP

```
std::map<std::string, std::string> options;
options["ssid"] = "test";
options["password"] = "12345678"; // password length should surpass 8
options["ip"] = "192.168.11.101"; // do not use address from 192.168.11.1 to 192.168.11.100
(reserved for internal usage)
options["channel"] = "6";
result = sdp.configurateNetwork(NetworkMode::NetworkModeAP, options);
```

- slamwareSTA

STA

```
std::map<std::string, std::string> options;
options["ssid"] = ssid;
options["password"] = password;
result = sdp.configurateNetwork(NetworkMode::NetworkModeStation, options);
```

- /DHCP

disable/enable DHCP

```
if (opt_enable_dhcp == true) {
    std::cout << "enable DHCP" << std::endl;
    options.clear();
    result = sdp.configurateNetwork(NetworkModeDHCPEnabled, options);
}
if (opt_disable_dhcp == true) {
    std::cout << "disable DHCP" << std::endl;
    options.clear();
    result = sdp.configurateNetwork(NetworkModeDHCPEnabled, options);
}
```

- WIFI

disable wifi

```
if (opt_disable_wifi == true) {
    std::cout << "disable wifi" << std::endl;
    options.clear();
    result = sdp.configurateNetwork(NetworkMode::NetworkModeWifiDisabled,
options);
}
```