

KBSW180130 Win32-

Recoverlocalization, recoverlocalization()

- 1.
- 2. 12 12()

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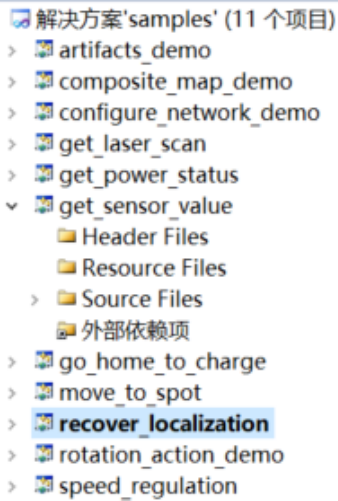
- - Visual Studio 2010 SP1
 - Slamware Windows SDK:[Slamware Windows SDK](#)
 - RoboStudio():[Robostudio installer](#)
 - Sample Code:

 Visual Studio
Visual Studio 2010SP1.Net FrameworkSP1

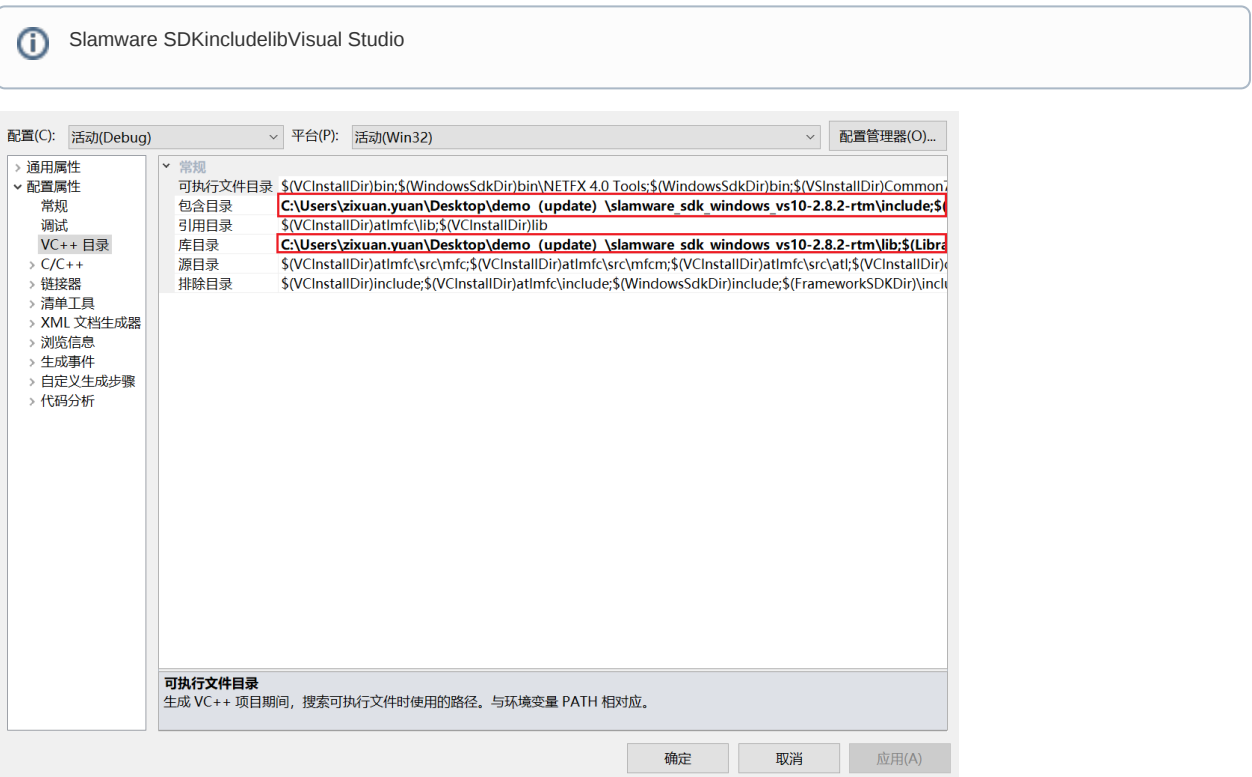
- - Slamware SDP mini
 - Slamware Slamware
 - Apollo/Ares/Athena

Win32-

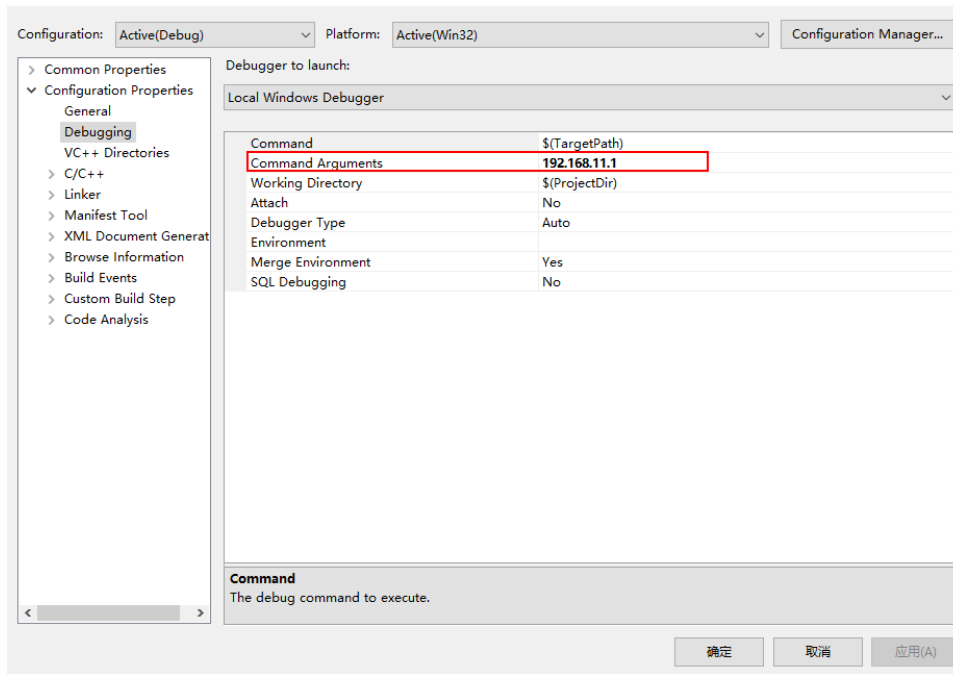
1. samplesrecover_localization, StartUp project



2. recover_localization, Slamware SDK includelib



3. recover_localization, Debuggingcommand Arguments 192.168.11.1 recover_localization <IP address>



4. F5

5. Robostudio

Your browser does not support the HTML5 video element

- robostudio

```
SlamwareCorePlatform sdp = SlamwareCorePlatform::connect(ip_address, 1445);
std::cout <<"SDK Version: " << sdp.getSDKVersion() << std::endl;
std::cout <<"SDP Version: " << sdp.getSDPVersion() << std::endl;

rpos::actions::MoveAction action = sdp.getCurrentAction();
if (action)
    action.cancel();
//recover localization by giving an rectangle area; (0,0,0,0) represents the entire
map area.
action = sdp.recoverLocalization(rpos::core::RectangleF(0,0,0,0));

while(true)
{
    switch (action.getStatus())
    {
        case rpos::core::ActionStatusError:
            std::cout << "Action Failed: " << action.getReason() << std::endl;
            break;
        case rpos::core::ActionStatusRunning:
            std::cout <<"Current status: Running" << std::endl;
            break;
        case rpos::core::ActionStatusFinished:
            std::cout <<"Current status: Finished" << std::endl;
            break;
        default :
            std::cout <<"Status Unknown" << std::endl;
            break;
    }
}
```