LoRaWAN Network Server Demonstration: Source Code Build Guide

1 History

Revision	Modification / Remarks / Motive	Author
1.0	Document created	DRo

2 Introduction

The document guides the user to build the Semtech LoRa Servers from Source code Version 2.1.x.

3 Building the servers

3.1 Linux

Extract the files from the supplied (release) zip file.

Set working directory to the directory that contains the file 'Makefile'

Execute the command 'make'. The files loraNS, loraAS, loraNC, loraCS and loracmd should be created.

3.2 Windows

Install 'Microsoft Visual Studio 2010 Professional, including the C++ option

Extract the files from the supplied (release) zip file.

Start 'Microsoft Visual C++ 2010 Professional'

Select Menu File>Open>Project/Solution.

Open the solution 'LoRa Server.sln'

The compilation relies on the include file 'mysql.h' being located in 'C:\xampp\mysql\include\'. If it is not, the file must either be copied to that location or the 'Additional Included Directories' option of each of the projects altered to include the location in which the files exist.

Select 'Release' build

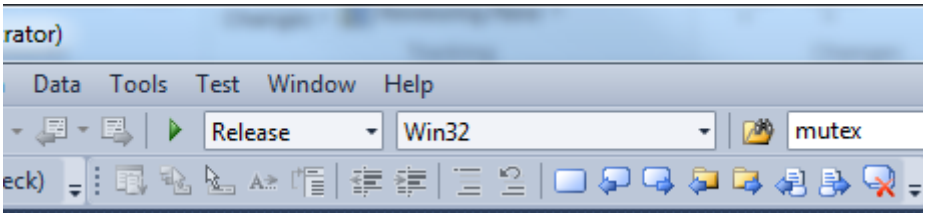

Figure 1: Screenshot of Microsoft Visual C++ application showing 'release' build selected

Select Build>Solution.

The executable files ApplicationServer.exe, CustomerServer.exe, LoRaCmd.exe, NetworkController.exe, NetworkServer.exe will be generated.

Now refer to [1] to start the installation.

4 References

Each trademark is the property of its owner.

[1] Semtech Ltd, “LoRaWAN Network Server Demonstration: Installation Guide,” 2015.

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