

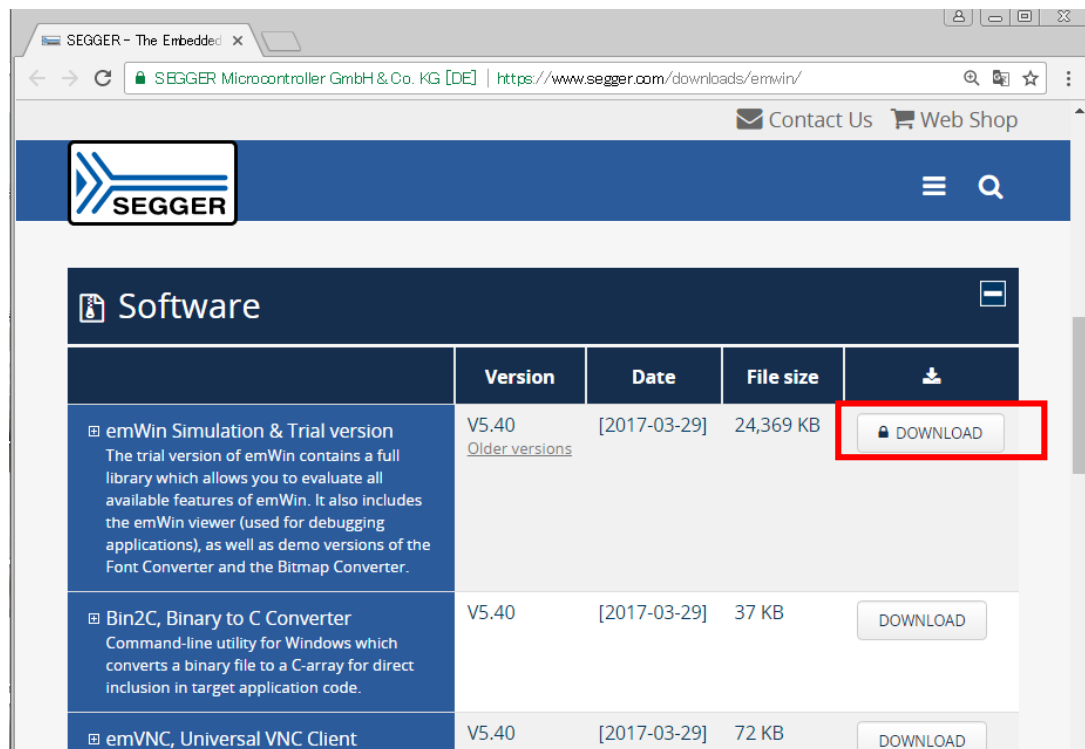
スタートアップガイド emWinシミュレータ



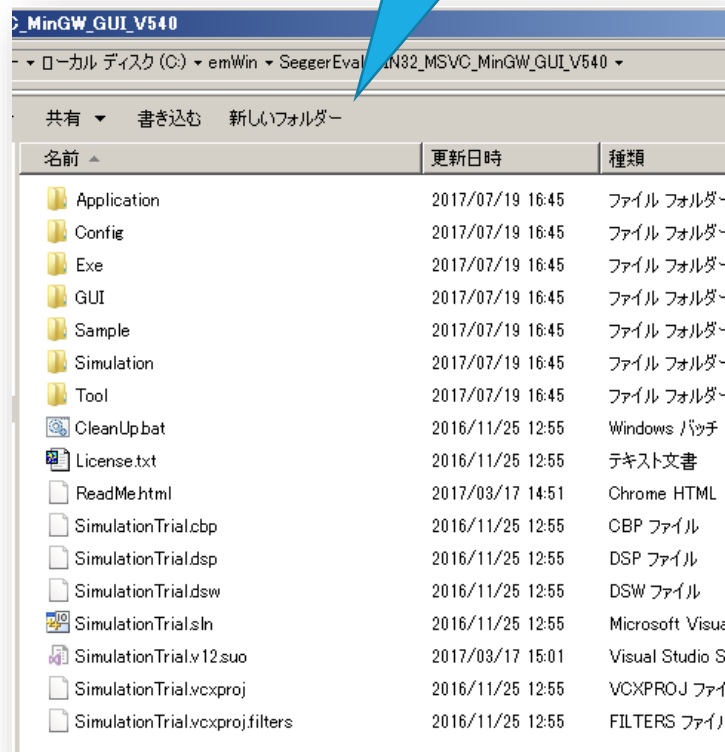
emWinシミュレータ : ダウンロード・インストール

Windowsパソコン用emWin評価版は以下のURLからダウンロード可能（ユーザー登録必要）

<https://www.segger.com/downloads/emwin/>

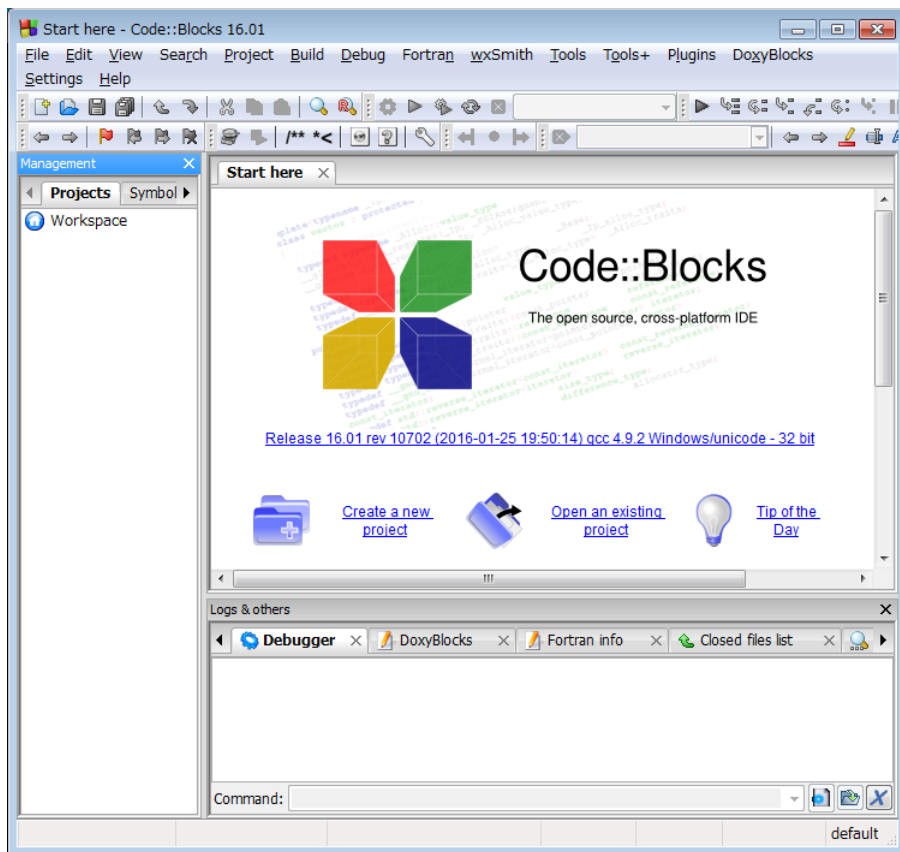


ローカルフォルダ
にコピー



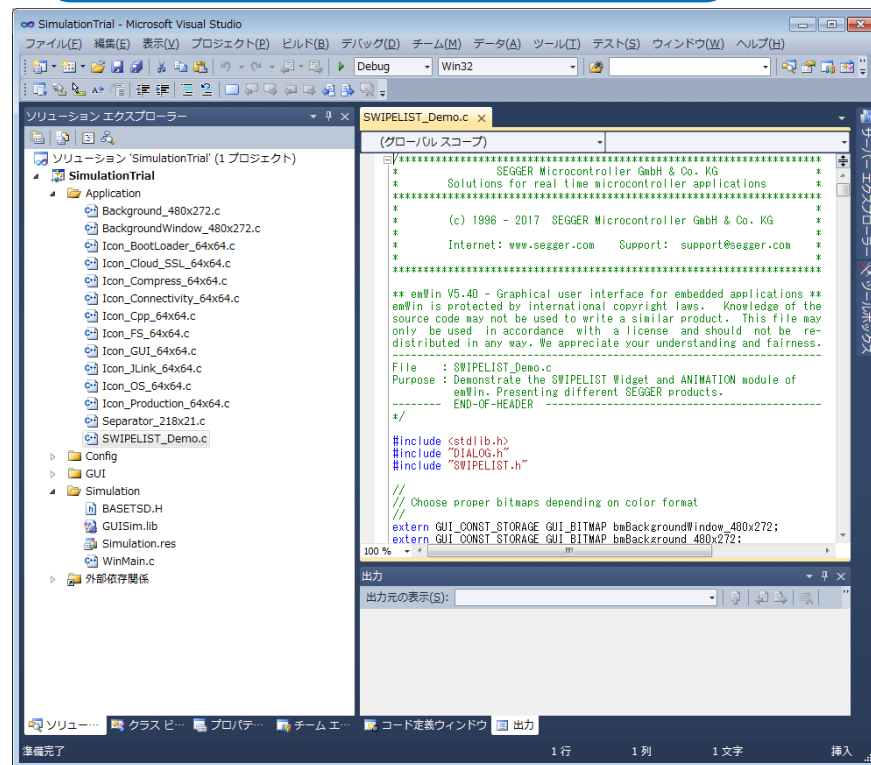
開発環境の設定

2種類の開発環境をサポート



Microsoft Visual Studio

Visual C++ V6.0以降



CodeBlocks IDE with MinGW (GNU系)

CodeBlocks IDE MingWコンパイラ

パソコン用GNU系開発環境

CodeBlocks IDE with MinGW

開発環境のダウンロード・インストール

<http://www.codeblocks.org/downloads/binaries>

Download binary

www.codeblocks.org/downloads/binaries

Jens' Fedora repository. Please note that we consider nightly builds to be *stable*, usually.

NOTE: We have a **Changelog** for 16.01, that gives you an overview over the enhancements and fixes we have put in the new release.

Windows XP / Vista / 7 / 8.x / 10:

File	Date	Download from
codeblocks-16.01-setup.exe	28 Jan 2016	Sourceforge.net or FossHub
codeblocks-16.01-setup-nonadmin.exe	28 Jan 2016	Sourceforge.net or FossHub
codeblocks-16.01-nosetup.zip	28 Jan 2016	Sourceforge.net or FossHub
codeblocks-16.01mingw-setup.exe	28 Jan 2016	Sourceforge.net or FossHub
codeblocks-16.01mingw-nosetup.zip	28 Jan 2016	Sourceforge.net or FossHub
codeblocks-16.01mingw_fortran-setup.exe	28 Jan 2016	Sourceforge.net or FossHub

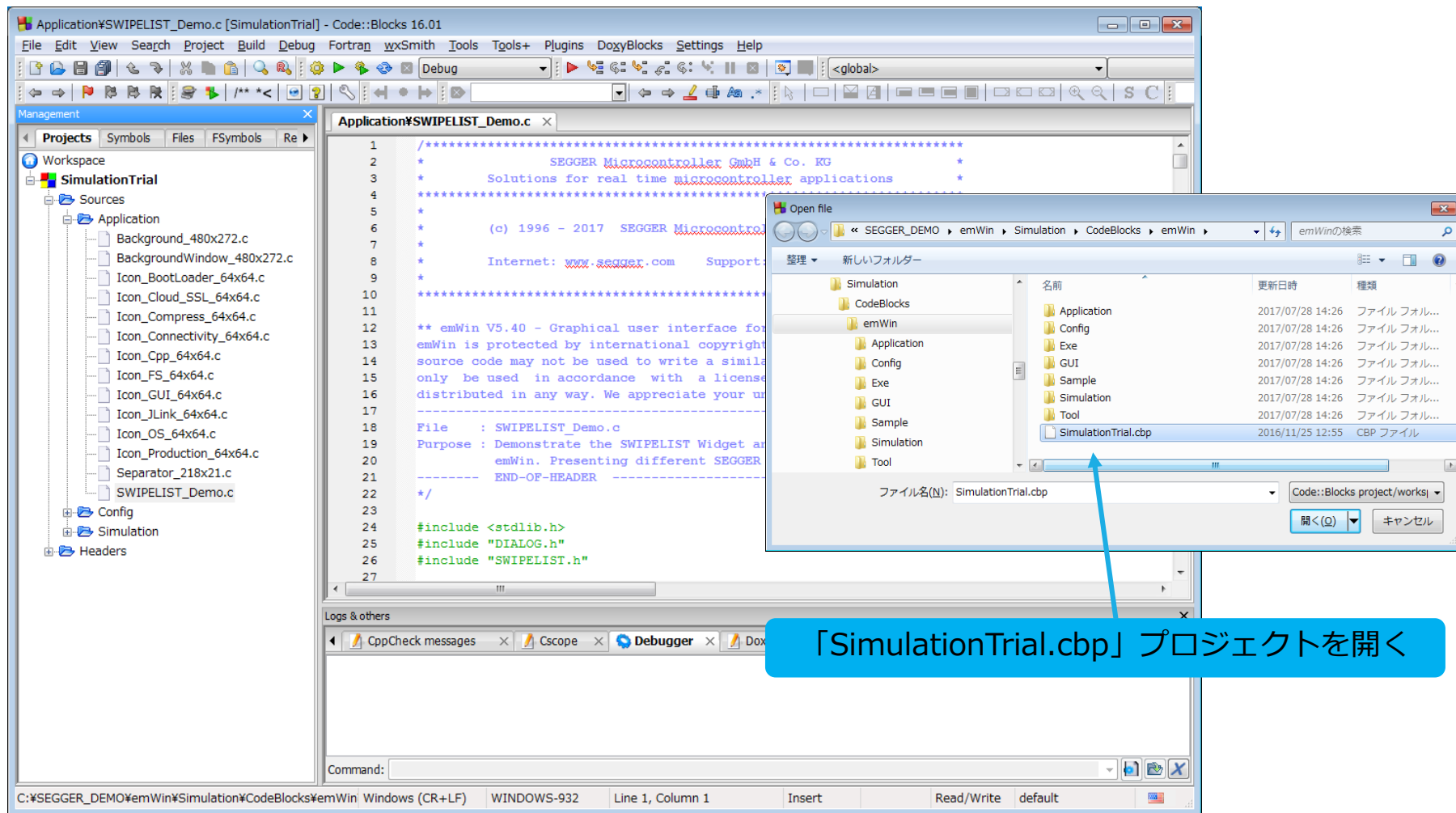
NOTE: The codeblocks-16.01mingw-setup.exe file is provided for convenience to users that are allergic against installers. However, it will not allow to select plugins / features to install (it includes everything) and not create any menu shortcuts. For the "installation" you are on your own.

If unsure, please use codeblocks-16.01mingw-setup.exe!

「codeblocks-xxxxmingw-setup.exe」で
IDEとMinGWコンパイラをセットでインストール

CodeBlocks IDE with MinGW

CodeBlocksツールから「File→Open」メニューコマンドでemWinプロジェクトを開きます



CodeBlocks IDE with MinGW

CodeBlocksツールから「Project→Build Options..」メニューコマンドでプロジェクト設定ダイログを開き、デフォルトのGCCコンパイラ（MinGW）が指定されていることを確認します。

The screenshot displays the CodeBlocks IDE interface. The 'Project build options' dialog is open, showing the 'Selected compiler' as 'GNU GCC Compiler'. The 'Compiler settings' tab is active, with the 'General' sub-tab selected. The 'Policy' is set to 'Append target options to project options'. The 'Compiler Flags' section shows various options, including 'Have g++ follow the 1998 ISO C++ language standard' and 'Have gcc follow the 1999 ISO C language standard'. A note at the bottom states: 'NOTE: Right-click to setup or edit compiler flags.' The 'Build log' window is also open, showing the output of the build process. The log includes the command used to compile the project and the resulting output file, 'E:\GUI\SimulationDebug.exe', which is 1.58 MB in size. The log also indicates that the process terminated successfully with status 0.

Project build options

SimulationTrial
Debug
Release

Selected compiler
GNU GCC Compiler

Compiler settings Linker settings Search directories Pre/post

Policy: Append target options to project options

Compiler Flags Other compiler options Other resource comp

General

Have g++ follow the 1998 ISO C++ language standard [-s

Have g++ follow the C++11 ISO C++ language standard [

Have g++ follow the coming C++0x ISO C++ language sta

Have gcc follow the 1999 ISO C language standard [-std=

In C mode, support all ISO C90 programs. In C++ mode, re

Target x86 (32bit) [-m32]

NOTE: Right-click to setup or edit compiler flags.

OK Cancel

Application%SWIPELIST_Demo.c [SimulationTrial] - Code::Blocks 16.01

File Edit View Search Project Build Debug Fortran wxSmith Tools Ttools+ Plugins DoxyBlocks Settings Help

Management

Projects Symbols Files FSymbols Re

Workspace

SimulationTrial

Sources

Application

Background_480x272.c

BackgroundWindow_480x272.c

Icon_BootLoader_64x64.c

Icon_Cloud_SSL_64x64.c

Icon_Compress_64x64.c

Icon_Connectivity_64x64.c

Icon_Cpp_64x64.c

Icon_FS_64x64.c

Icon_GUI_64x64.c

Icon_JLink_64x64.c

Icon_OS_64x64.c

Icon_Production_64x64.c

Separator_218x21.c

SWIPELIST_Demo.c

Config

Simulation

Headers

Application%SWIPELIST_Demo.c

```
1  /*****  
2  *      SEGGER Microcontroller GmbH & Co. KG  
3  *      Solutions for real time microcontroller applications  
4  *      *****/  
5  *  
6  *      (c) 1996 - 2017 SEGGER Microcontroller GmbH & Co. KG  
7  *  
8  *      Internet: www.segger.com    Support: support@segger.com  
9  *  
10 *****  
11  
12 ** emWin V5.40 - Graphical user interface for embedded applications **  
13 emWin is protected by international copyright laws. Knowledge of the  
14 source code may not be used to write a similar product. This file may  
15 only be used in accordance with a license and should not be re-  
16 distributed in any way. We appreciate your understanding and fairness.  
17  
18 File : SWIPELIST_Demo.c
```

Build log

ISystem\Simulation\Res -c C:\SEGGER_DEMO\emWin\Simulation\CodeBlocks\emWin\Config\SIMConf.c -o oD\Config\SIMConf.o
mingw32-gcc.exe -Wall -w -g -IConfig -IGUI\Include -ISystem\Simulation -ISystem\Simulation\SIM_GUI -ISystem\Simulation\Res -c C:\SEGGER_DEMO\emWin\Simulation\CodeBlocks\emWin\Simulation\WinMain.c -o oD\Simulation\WinMain.o
mingw32-g++ -L"C:\Program Files (x86)\CodeBlocks\MinGW\lib" -o E:\GUI\SimulationDebug.exe oD\Simulation\WinMain.o oD\Simulation\Res\Background_480x272.o oD\Simulation\Res\BackgroundWindow_480x272.o oD\Simulation\Res\Icon_BootLoader_64x64.o oD\Simulation\Res\Icon_Cloud_SSL_64x64.o oD\Simulation\Res\Icon_Compress_64x64.o oD\Simulation\Res\Icon_Connectivity_64x64.o oD\Simulation\Res\Icon_Cpp_64x64.o oD\Simulation\Res\Icon_FS_64x64.o oD\Simulation\Res\Icon_GUI_64x64.o oD\Simulation\Res\Icon_JLink_64x64.o oD\Simulation\Res\Icon_OS_64x64.o oD\Simulation\Res\Icon_Production_64x64.o oD\Simulation\Res\Separator_218x21.o oD\Simulation\Res\SWIPELIST_Demo.o oD\Config\GUIConf.o oD\Config\LCDConf.o oD\Config\SIMConf.o oD\Simulation\WinMain.o Simulation\SimulationMinGW.res GUI\Library\GUI.a Simulation\GUI\Simulation\GUI\Library\GUI.a -lgdi32 -lwinmm -lwsock32 -mwindows
Output file is E:\GUI\SimulationDebug.exe with size 1.58 MB
Process terminated with status 0 (0 minute(s), 3 second(s))
0 error(s), 0 warning(s) (0 minute(s), 3 second(s))

C:\SEGGER_DEMO\emWin\Simulation Windows (CR+LF) WINDOWS-932 Line 11, Column 1 Insert Read/Write default

「Build→Build」メニューコマンド（Ctrl+F9）でプロジェクトをビルドします。

CodeBlocks IDE with MinGW

CodeBlocksツールから「Debug→Start/Continue」メニューコマンド（F8）でプロジェクトデバッグを開始します。

プログラムを実行する場合は「Build→Run」メニューコマンド（Ctrl+F10）を使用します



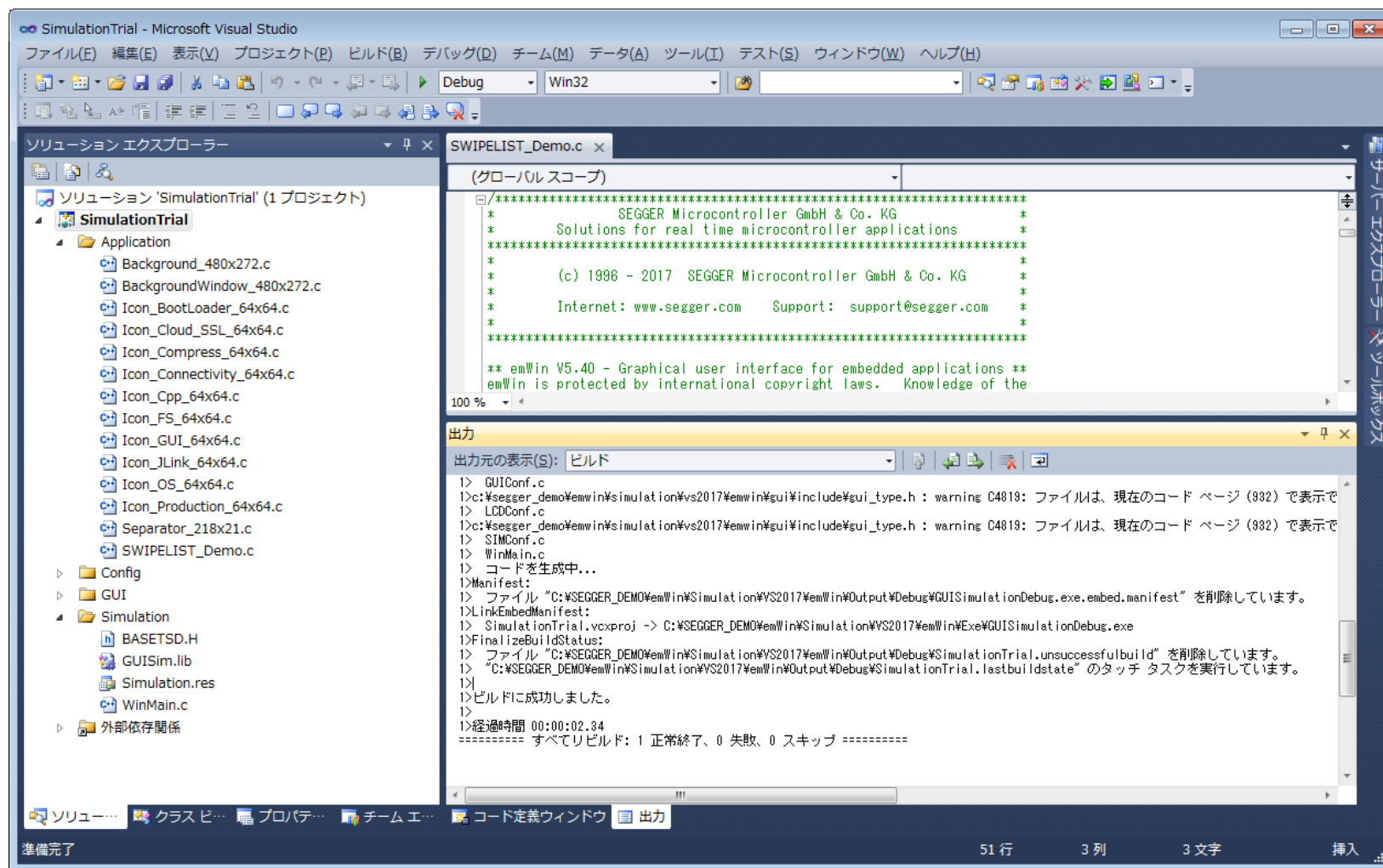
ボタンクリックで終了

Visual Studio コンパイラ : Visual C++ 6.0以降

Windows用開発環境

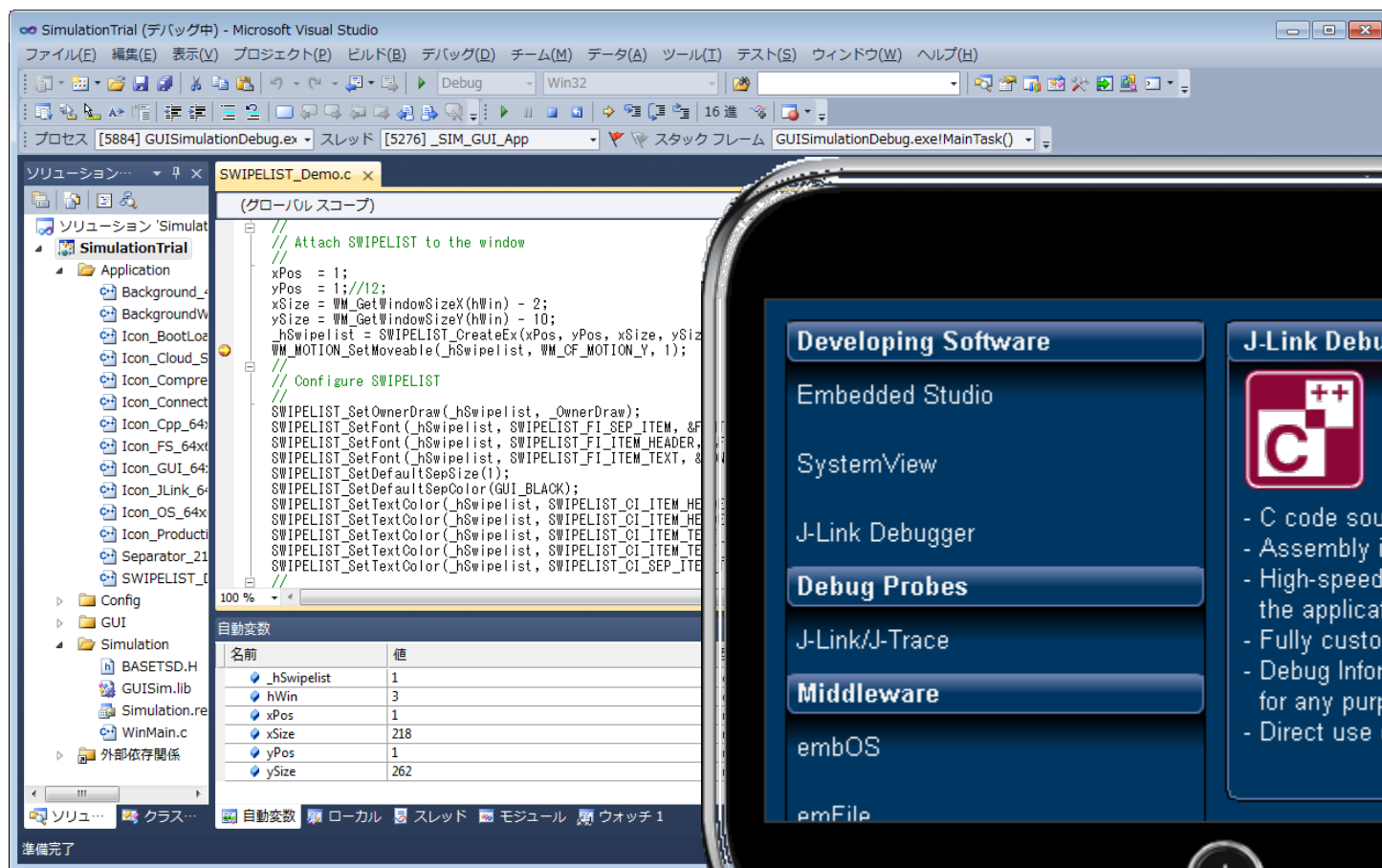
Visual Studio

Visual Studioツールから「ファイル→聞く→プロジェクト」メニューコマンドでemWinプロジェクト（SimulationTrial.vcxproj）を開きます。「ビルド→ソリューションビルド」メニューコマンド（F7）でプロジェクトをビルドします。



Visual Studio

「デバッグ→デバッグ開始」メニューコマンド（F5）でデバッグを開始します。



ありがとうございました

Thank You
for your Attention

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<https://www.embitek.co.jp>