

Methods for Upgrading Freescale BeeStack® Codebases

1 Introduction

This note describes how to upgrade an existing Freescale BeeKit solution and its projects to a new Codebase.

Currently, three different methods exist to upgrade, depending on whether the new Codebase supports upgrading from a previous Codebase.

- Upgrading without solution changes
- Upgrading the solution within BeeKit
- Upgrading manually by creating a new solution file

In all cases, application changes must be merged after the solution is upgraded.

NOTE

Freescale always recommends that users perform a backup before starting an upgrade.

Contents

1 Introduction	1
2 Upgrade the Solution With No Changes ...	2
3 Upgrade the Solution Using BeeKit	3
4 Manual Upgrade (Creating a New Solution File)	5
5 File Merge Example	6

2 Upgrade the Solution With No Changes

If a Codebase does not contain updates to its properties, it is possible to open the existing solution file with the new Codebase. This means that the solution file does not need to be upgraded.

1. Copy the solution file (only the *.bksln file) to a new folder.
2. Open BeeKit and select the new Codebase.
3. Open the copied solution file.



Figure 1. Open the Copied Solution File

4. Export the new solution file.
5. Merge the changed application files from the old projects to the newly export projects (In BeeStack, this is typically the BeeApp.c file.)

3 Upgrade the Solution Using BeeKit

If a Codebase does not contain major updates to its properties, it may be possible to upgrade the solution using BeeKit.

1. Copy the solution file (only the *.bksln file) to a new folder.
2. In BeeKit, open the copied solution file that matches the "old" Codebase and select Solution->Upgrade solution... (Figure 2)

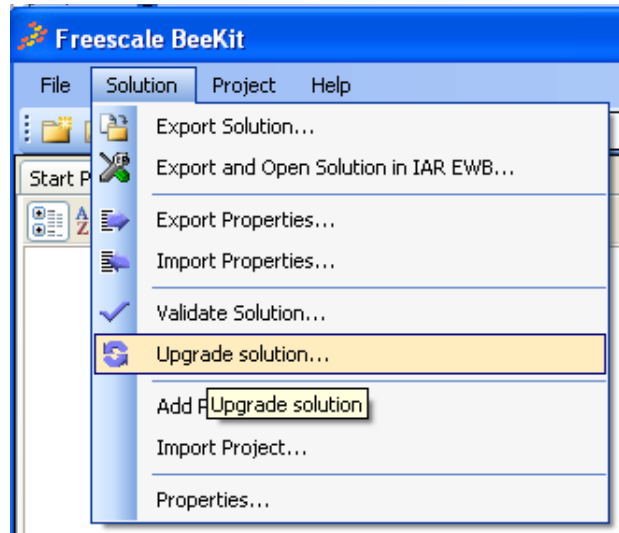


Figure 2. Upgrade Solution in BeeKit

3. Follow the steps in the wizard and select the new Codebase. (Figure 3)

If BeeKit does not list the Codebase required for the upgrade as shown in the example in Figure 3, then the Codebase must be upgraded manually as shown in Section 4, “Manual Upgrade (Creating a New Solution File).

For more information about upgrading using BeeKit, see the *BeeKit Wireless Connectivity ToolKit User’s Guide*.

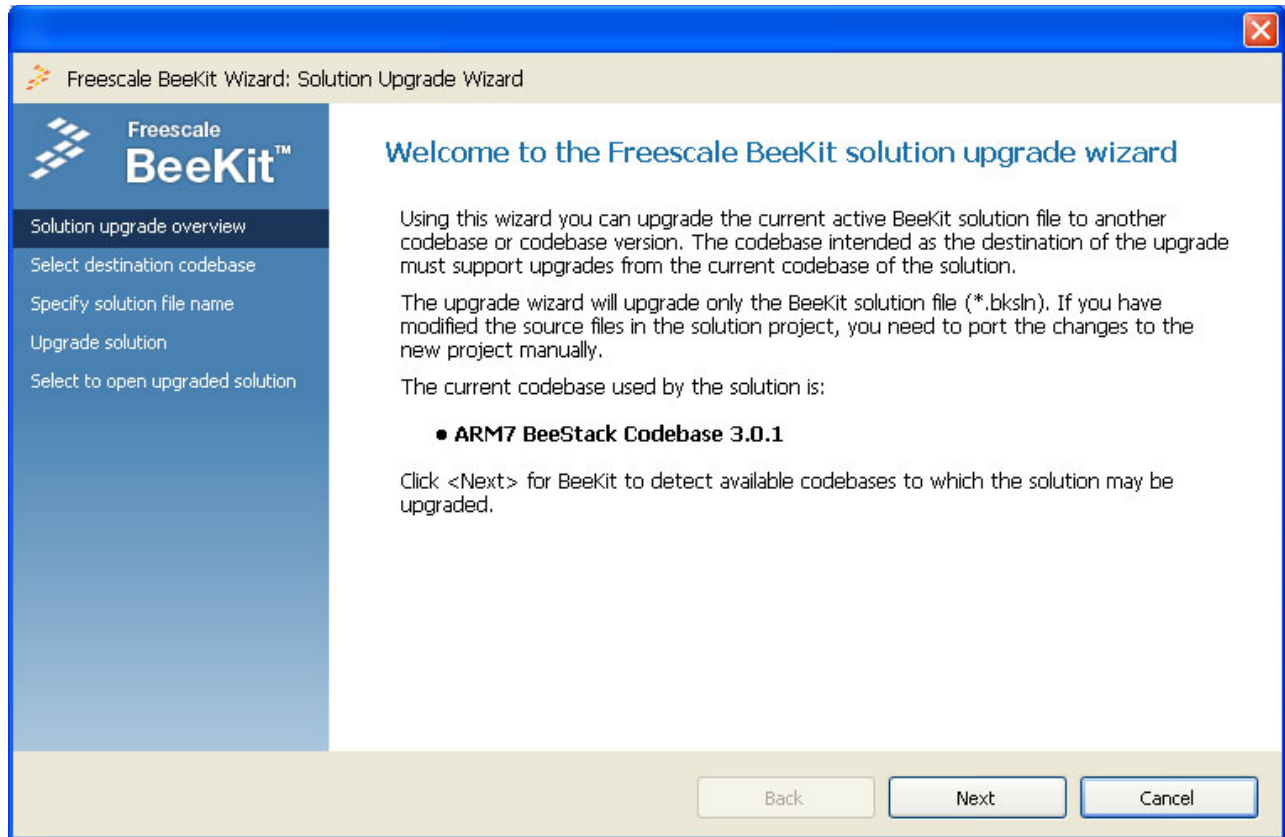


Figure 3. BeeKit Solution Upgrade Wizard

4. Export the new solution file.
5. Merge the changed application files from the old projects to the newly export projects. (In BeeStack this would typically be the `BeeApp.c` file.)

4 Manual Upgrade (Creating a New Solution File)

If a Codebase contains major updates to its properties or features it is typically NOT possible to upgrade the solution with BeeKit and a manual upgrade is required.

1. Open the existing solution file with the matching "old" Codebase in Beekit.



Figure 4. Open Old Codebase

2. Start a second BeeKit instance and select the new Codebase.

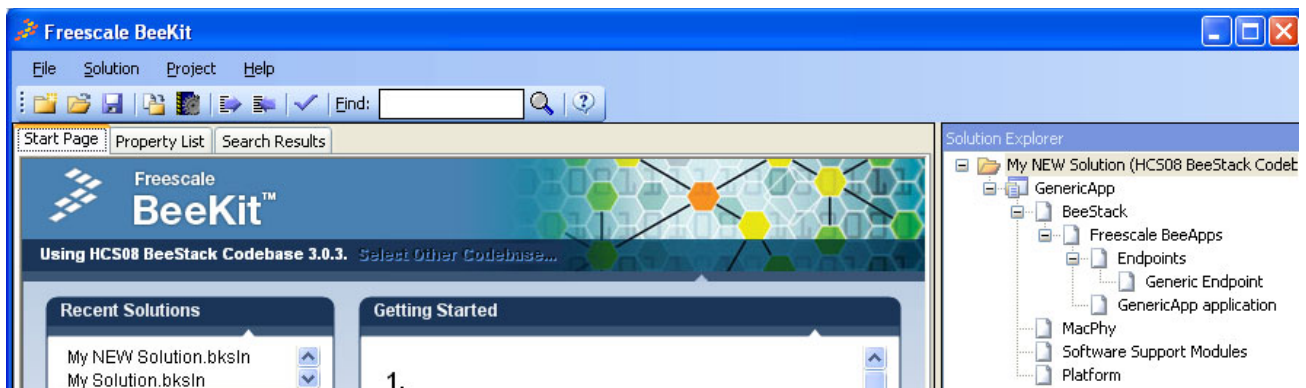


Figure 5. Open New Codebase

3. Look for all properties marked with bold (meaning they have a different setting than default) in the existing solution and manually apply the same settings in the new solution file.

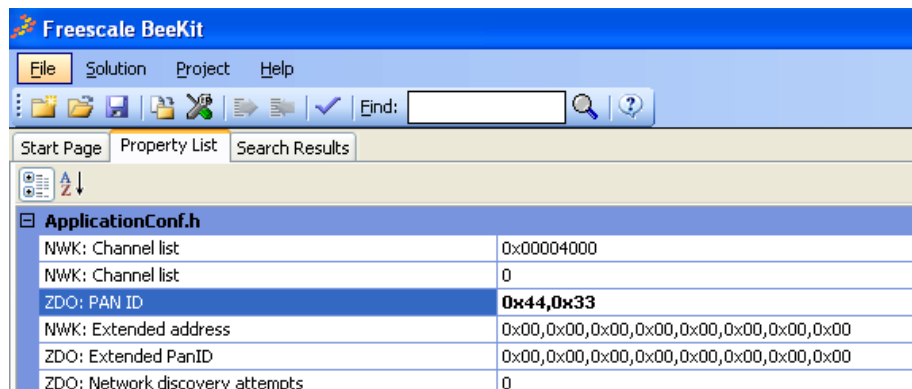


Figure 6. Properties to Change

File Merge Example

4. Export the new solution file.
5. Use an appropriate merge tool to merge the changed application files from the old projects to the newly export projects (with BeeStack this would typically be the `BeeApp.c` file.).

5 File Merge Example

Figure 7 shows two files being merged using WinMerge.

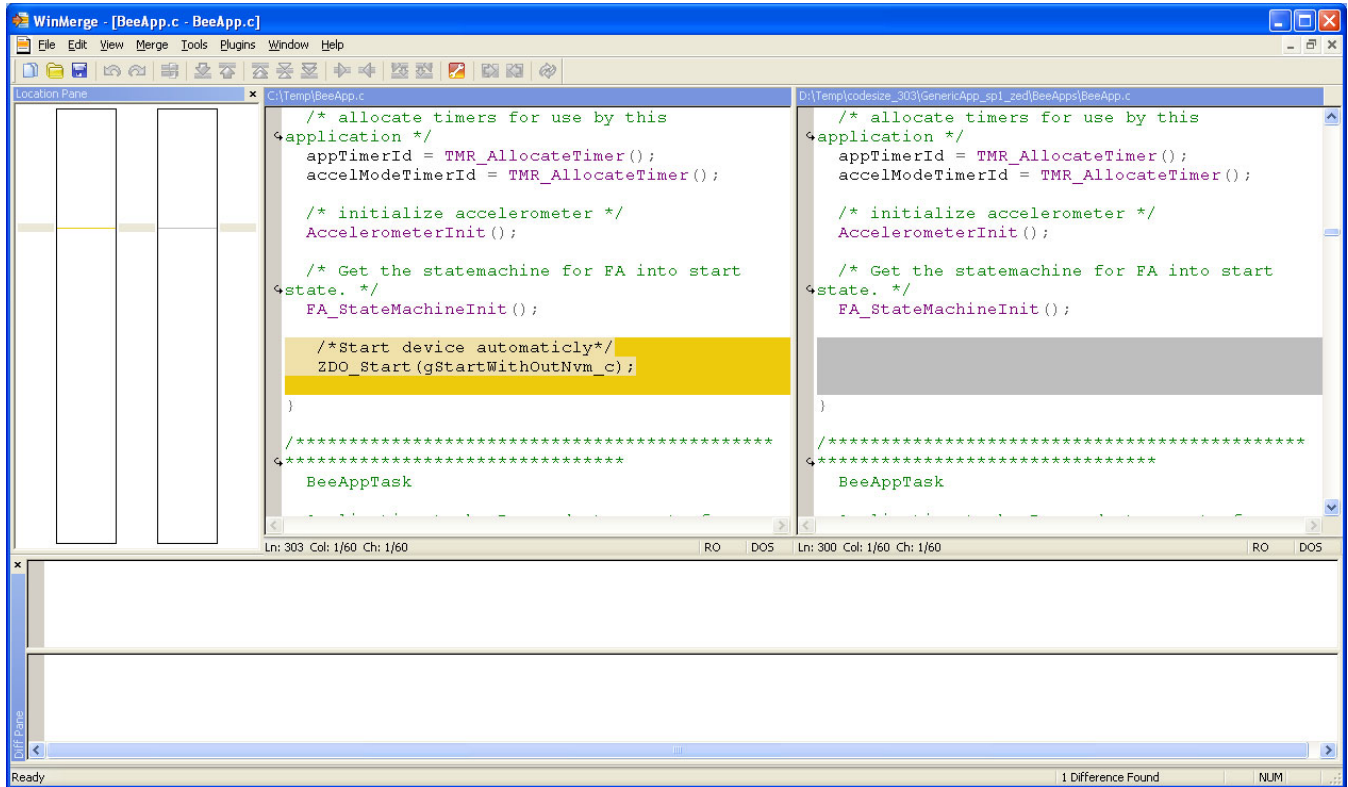


Figure 7. Using WinMerge



NOTES

How to Reach Us:

Home Page:
www.freescale.com

E-mail:
support@freescale.com

USA/Europe or Locations Not Listed:
Freescale Semiconductor
Technical Information Center, CH370
1300 N. Alma School Road
Chandler, Arizona 85224
+1-800-521-6274 or +1-480-768-2130
support@freescale.com

Europe, Middle East, and Africa:
Freescale Halbleiter Deutschland GmbH
Technical Information Center
Schatzbogen 7
81829 Muenchen, Germany
+44 1296 380 456 (English)
+46 8 52200080 (English)
+49 89 92103 559 (German)
+33 1 69 35 48 48 (French)
support@freescale.com

Japan:
Freescale Semiconductor Japan Ltd.
Headquarters
ARCO Tower 15F
1-8-1, Shimo-Meguro, Meguro-ku,
Tokyo 153-0064, Japan
0120 191014 or +81 3 5437 9125
support.japan@freescale.com

Asia/Pacific:
Freescale Semiconductor Hong Kong Ltd.
Technical Information Center
2 Dai King Street
Tai Po Industrial Estate
Tai Po, N.T., Hong Kong
+800 2666 8080
support.asia@freescale.com

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