

How to Create Installer for Custom Help Mapping Add-On (B1HM)



Applies to:

Custom Help Mapping Add-On (B1HM) for SAP Business One 2007. For more information, visit the [Business One homepage](#).

Summary

This document describes the steps for creating an installer for Custom Help Mapping Add-On (B1HM). An installer must be created only if the original source code of the B1HM is modified.

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Created on: 30 March 2009

Author Bio

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1. Introduction

This document guides you through the creation of an installer for Custom Help Mapping Add-On (B1HM). The creation of installer is only required if any changes are made to the original source code of B1HM. If no changes are made to the source code, use the installer that is part of the download package.

If you change and recompile the B1HM source code, you must create a new installer for B1HM, the steps to which are described in this document. It is mandatory to follow the instructions in this document to ensure that the installer is created exactly the same way as the original installer.

Note: In general, it is not recommended to create a custom version of B1HM by modifying the source code. This is to avoid having multiple flavors of the Add-On "in the market". Ideally, there should be just one version used by/for all interested customers. However, if it is absolutely required, we strongly recommend that you consider creating a custom version of the add-on very carefully following the instructions in this document.

2. About the Source Code

The B1HM Add-On relies on **B1WizardBase.dll** of B1DE version 1.5 (or later). The B1WizardBase.dll is included as part of the B1HM installation.

If you are interested in changing the source code of the B1HM Add-On, make sure to use the latest version of B1WizardBase.dll that is shipped with either B1HM download package or B1DE version 1.5 (or later).

3. Creating B1HM Installer

Note: This document provides details on how to create installer for version 1.1 of B1HM Add-On. When creating an installer for a different version, replace version number 1.1 with appropriate version number where applicable.

3.1 Use of B1DE (prerequisite)

To create the installer for B1HM, the **Simple Installer (SAP B1 AddOnInstaller .NET Wizard** template) which is part of the Business One Development Environment (B1DE) tools is utilized.

Make sure that B1DE is installed in your Visual Studio environment.

Note that it is not mandatory to use B1DE version 1.5 (or later) for the purpose of creating the installer (as long as you use the B1WizardBase.dll file that was originally installed by B1HM).

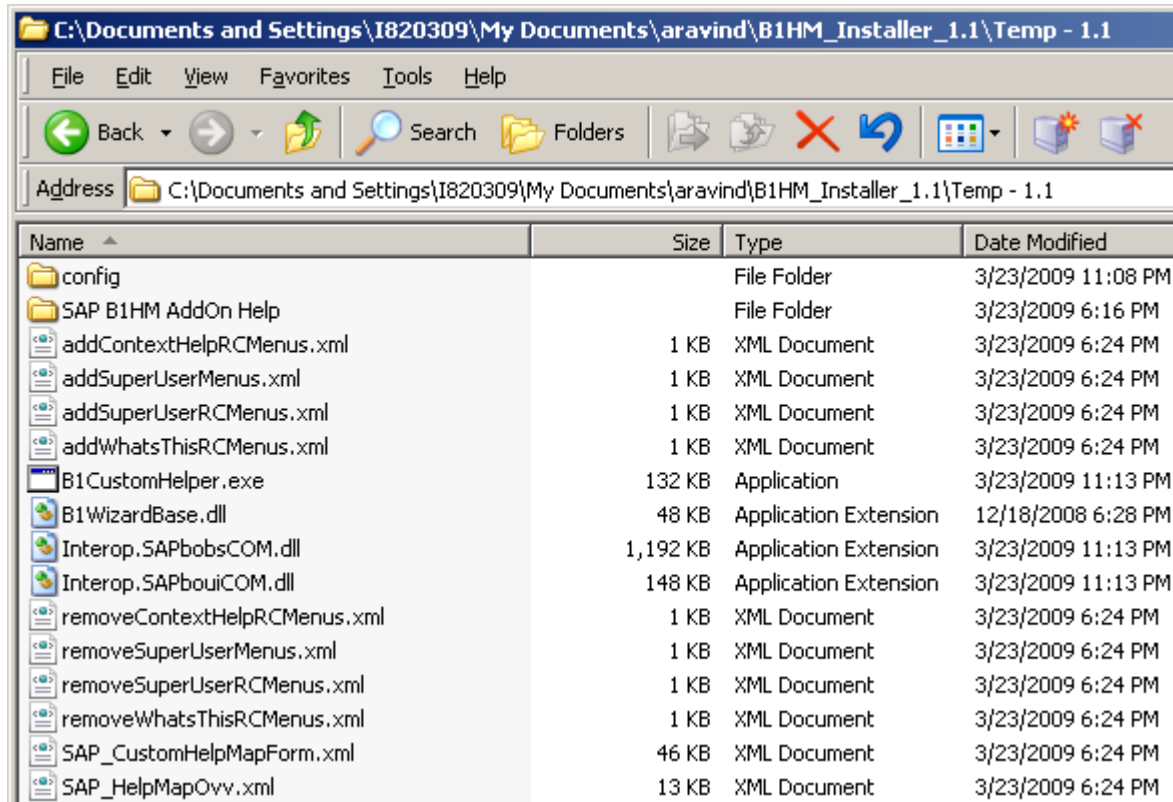
3.2 Step by Step

3.2.1 Gather All Files

After the changes have been made to the B1HM project (**B1CustomHelper.sln**) and tested, compile the solution in **Release** mode in Visual Studio.

Create a temporary folder e.g. "Temp – 1.1" and copy all the necessary files to this folder as shown in the figure below.

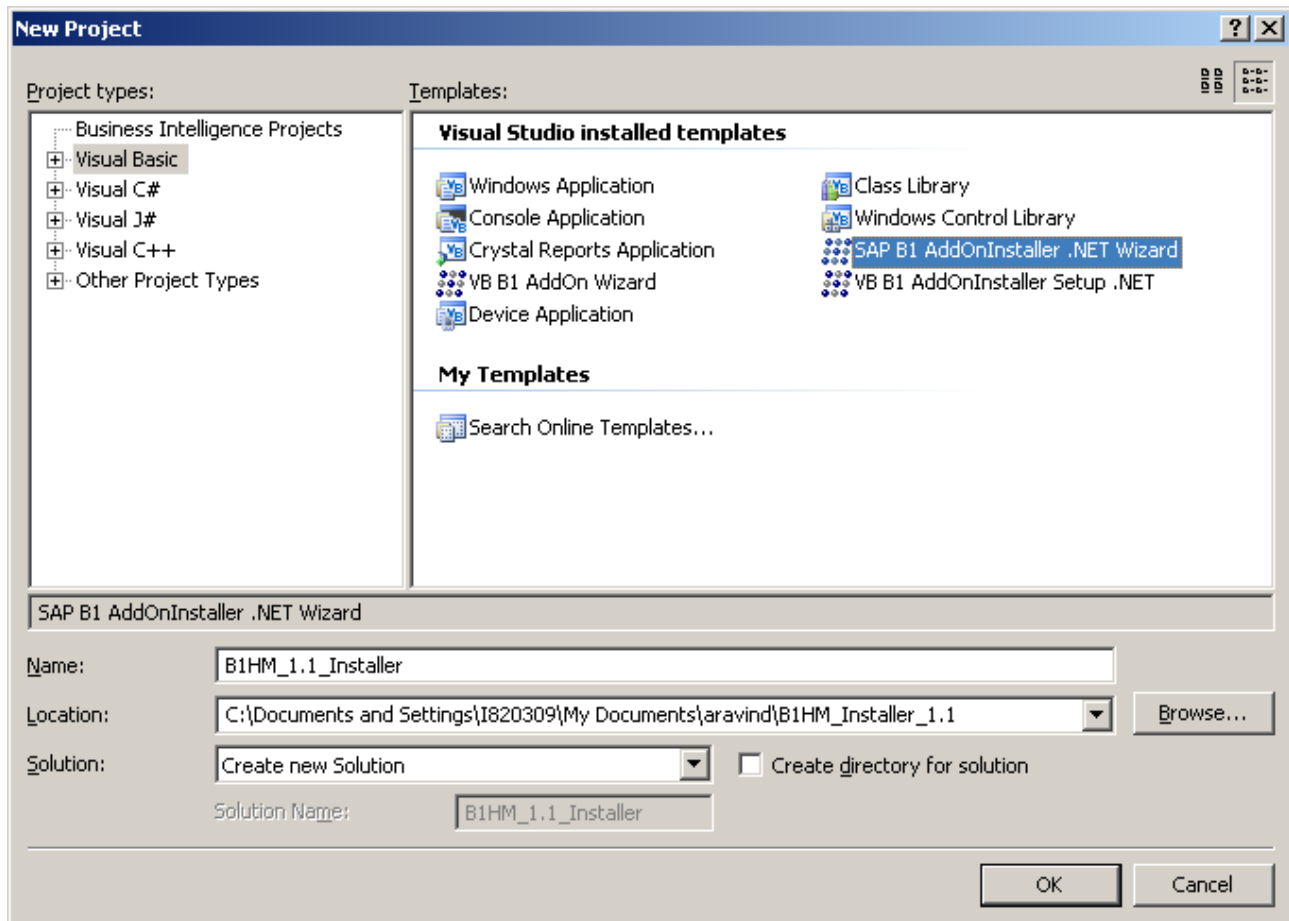
Copy the folders **config** and **SAP B1HM AddOn Help** as well to the temp folder including the subfolders and their contents. This is to make sure that all the files for creating installer are available in one location.



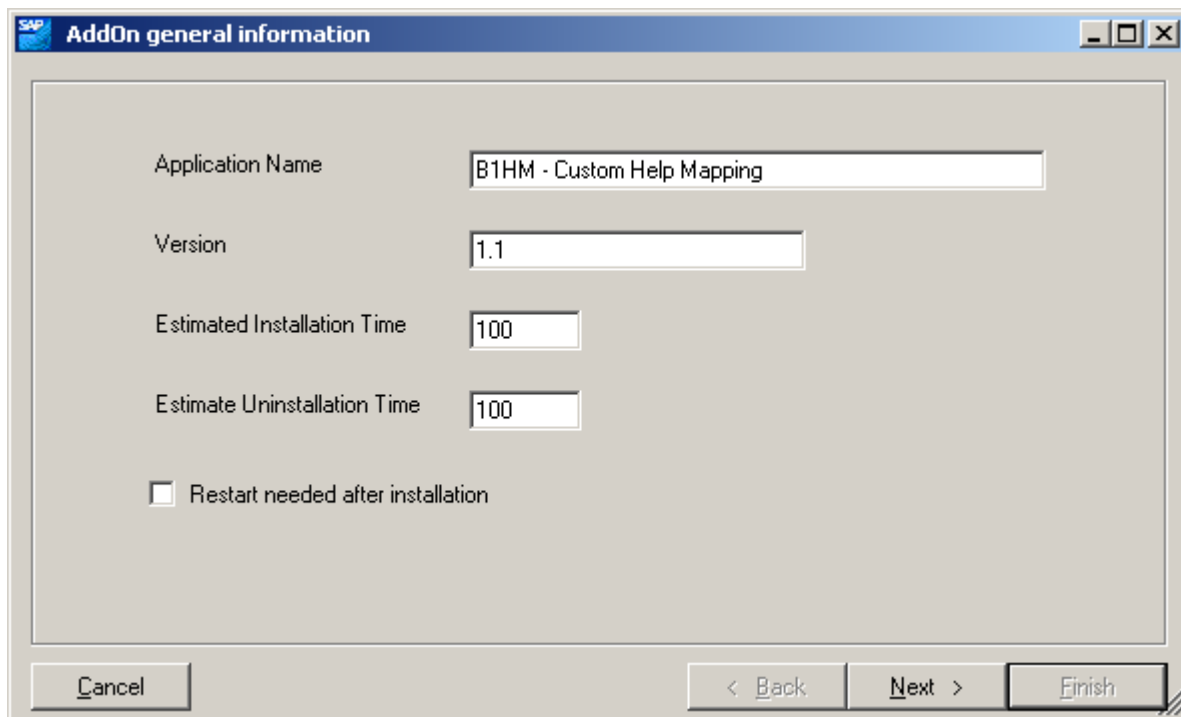
3.2.2 Create Installer Project (via Wizard)

Create a new project in Visual Studio and select **SAP B1 AddOnInstaller .NET Wizard**

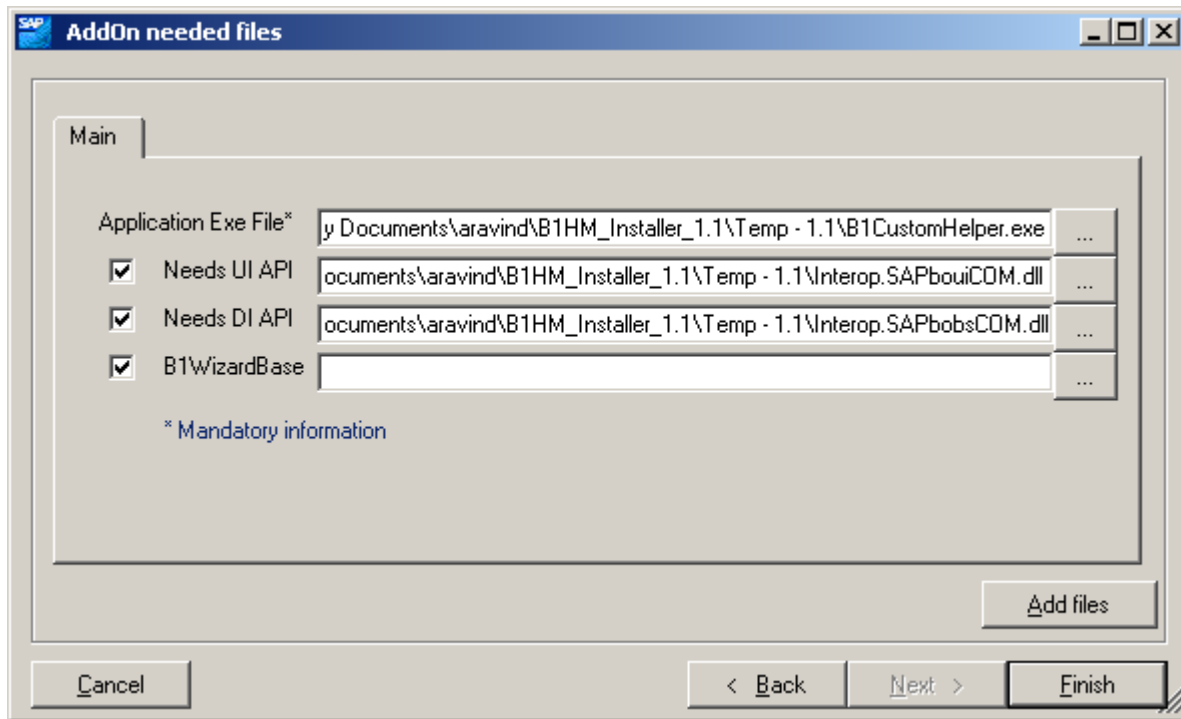
To differentiate it from the B1HM AddOn itself, append “Installer” to the installer project i.e. use “B1HM_1.1_Installer” as project name as shown below.



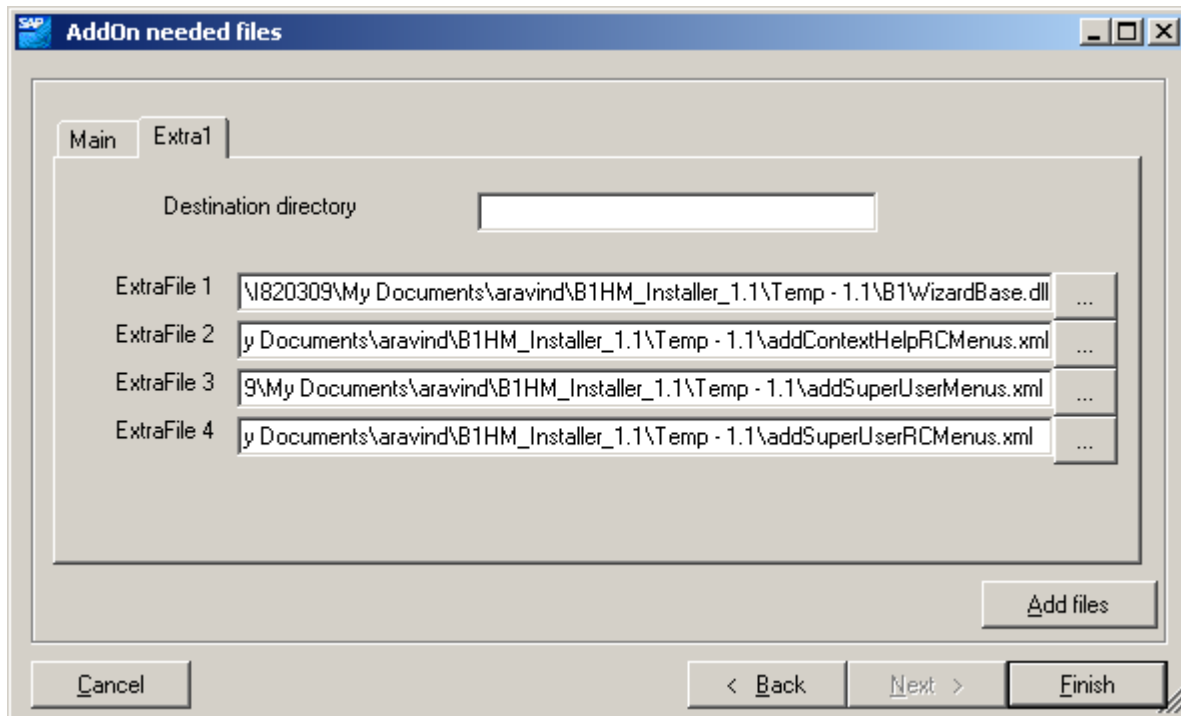
Enter the application name as **B1HM - Custom Help Mapping** and other values as appropriate. Note that the Application Name must match the exact name indicated below.

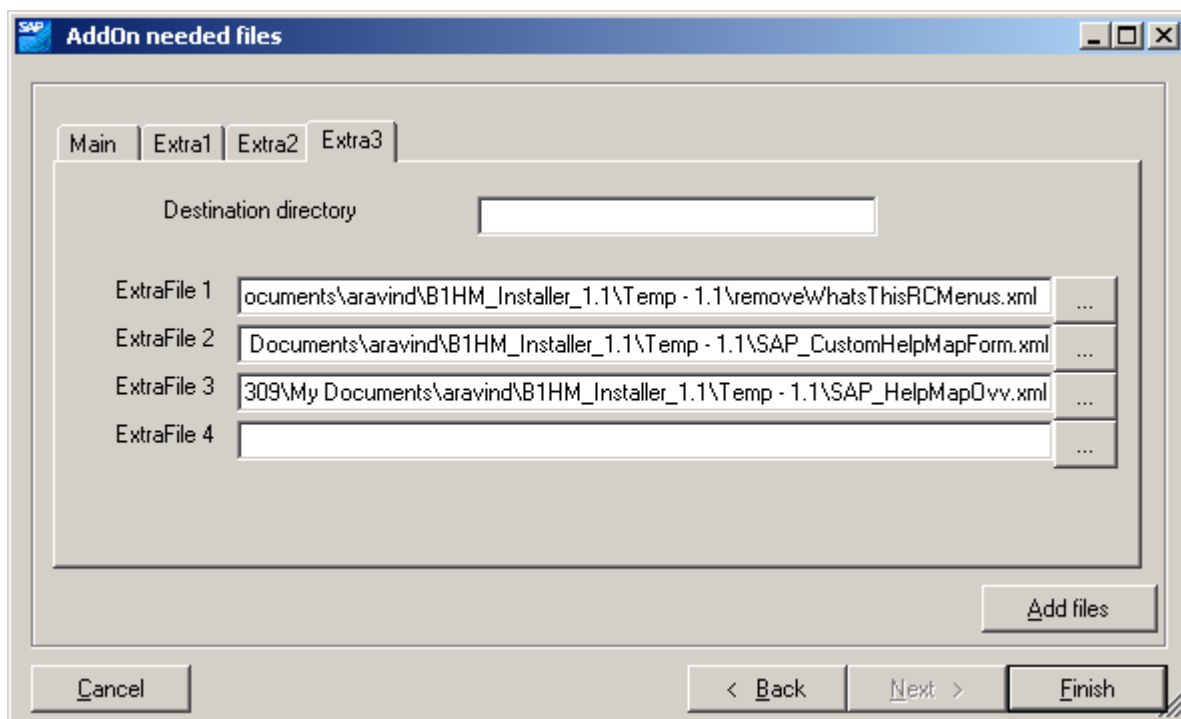
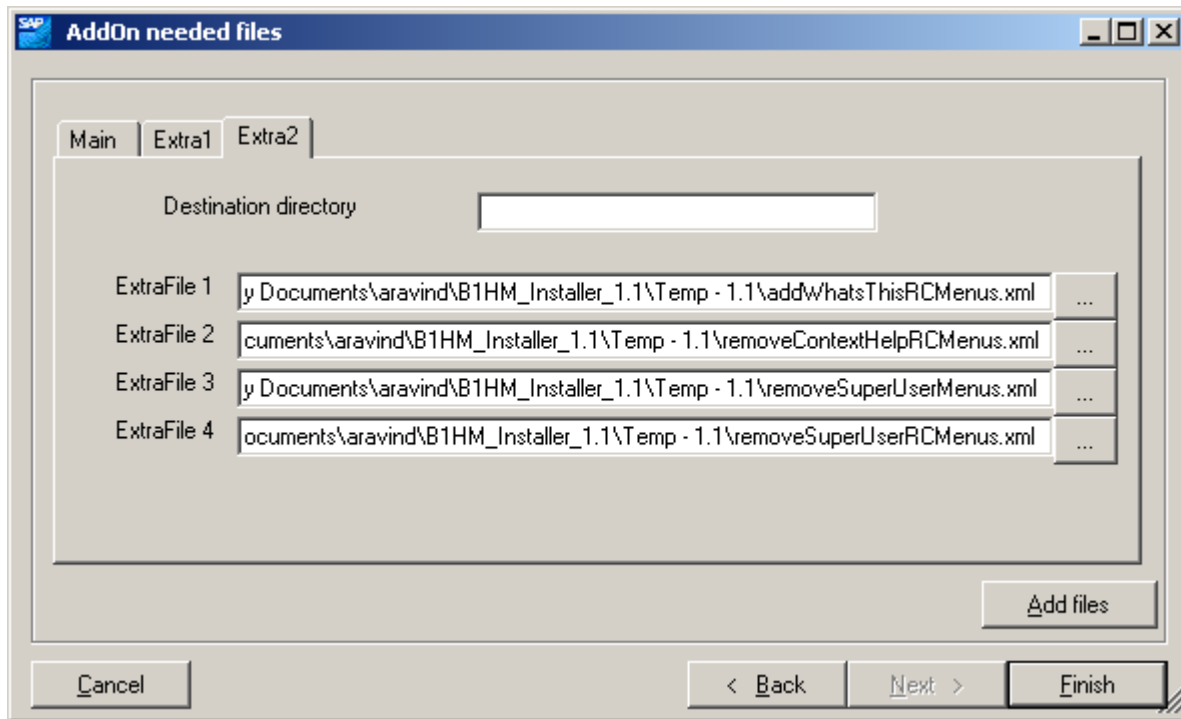


Add the files in the Main and Extra tabs as shown in the below screens.



Use **B1WizardBase.dll** file that was originally installed by B1HM.





Enter **SAP B1HM AddOn Help** as the destination directory when adding files from this folder.

AddOn needed files

Main | Extra1 | Extra2 | Extra3 | Extra4

Destination directory: SAP B1HM AddOn Help

ExtraFile 1: _Installer_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_AddOn_Help_Import.csv ...

ExtraFile 2: M_Installer_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_Checkbox_Default.htm ...

ExtraFile 3: p - 1.1\SAP B1HM AddOn Help\B1HM_Checkbox_Enable_Interactive_Mapping.htm ...

ExtraFile 4: Installer_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_Field_Application_Path.htm ...

Add files

Cancel < Back Next > Finish

AddOn needed files

Main | Extra1 | Extra2 | Extra3 | Extra4 | Extra5

Destination directory: SAP B1HM AddOn Help

ExtraFile 1: \B1HM_Installer_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_Field_Caption.htm ...

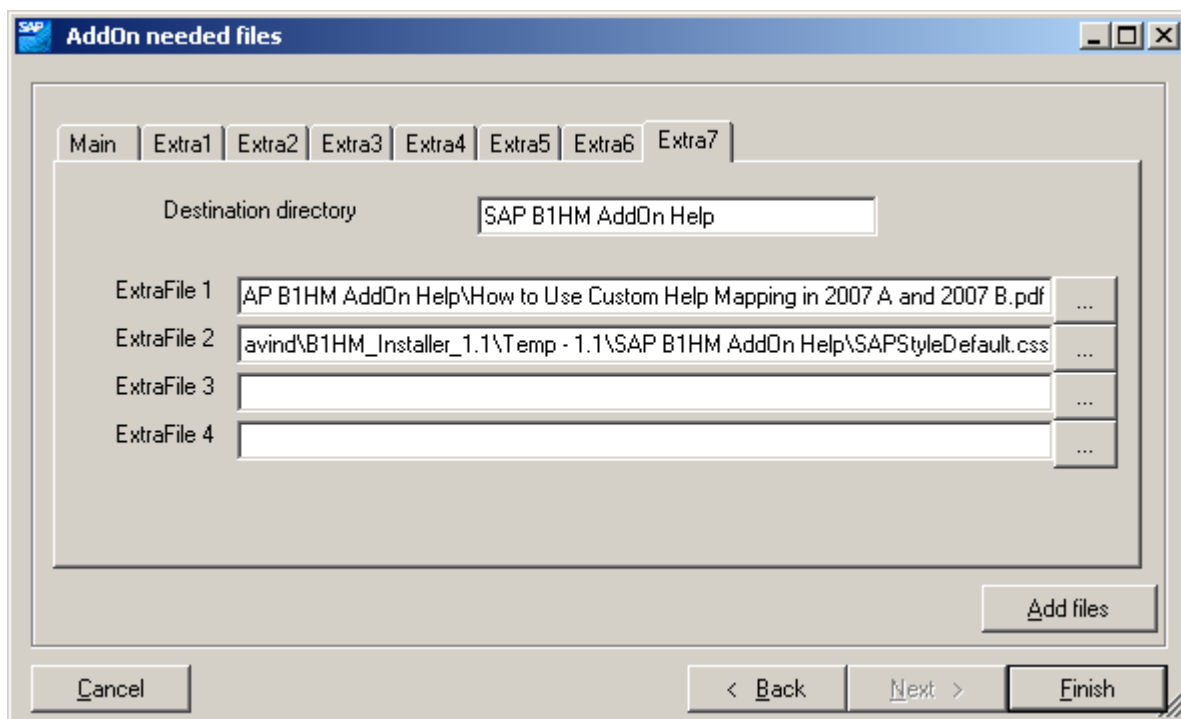
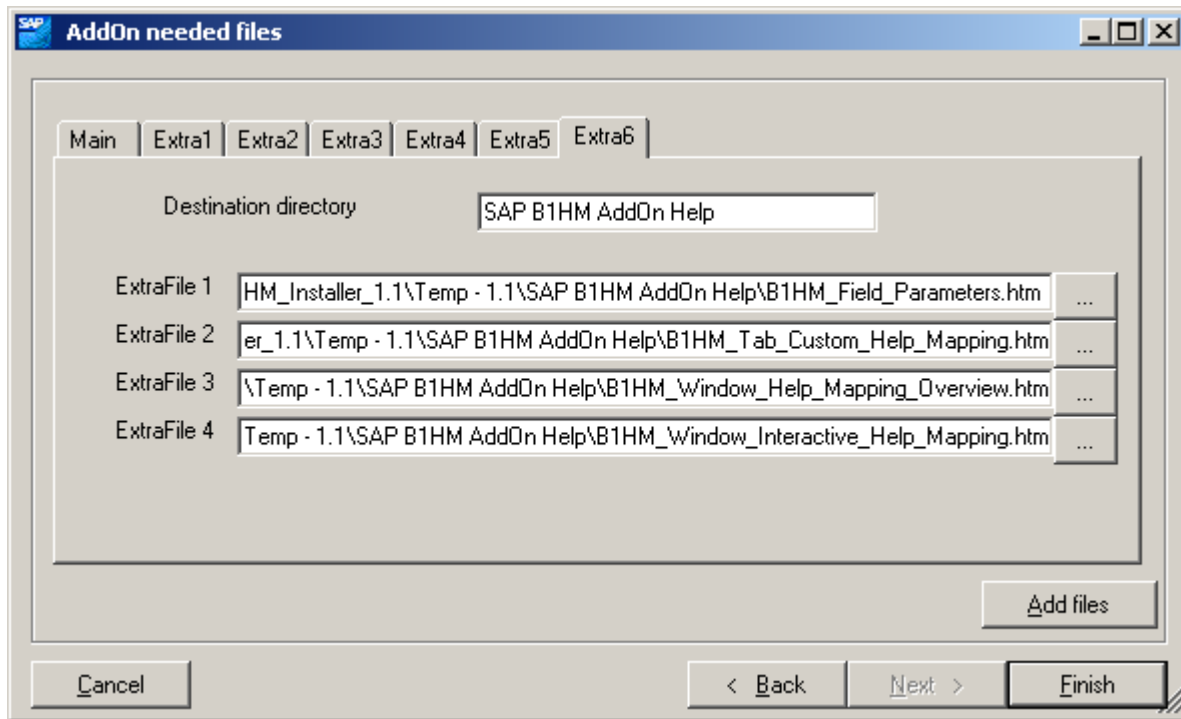
ExtraFile 2: B1HM_Installer_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_Field_File_Path.htm ...

ExtraFile 3: ler_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_Field_Filter_By_Partner_Key.htm ...

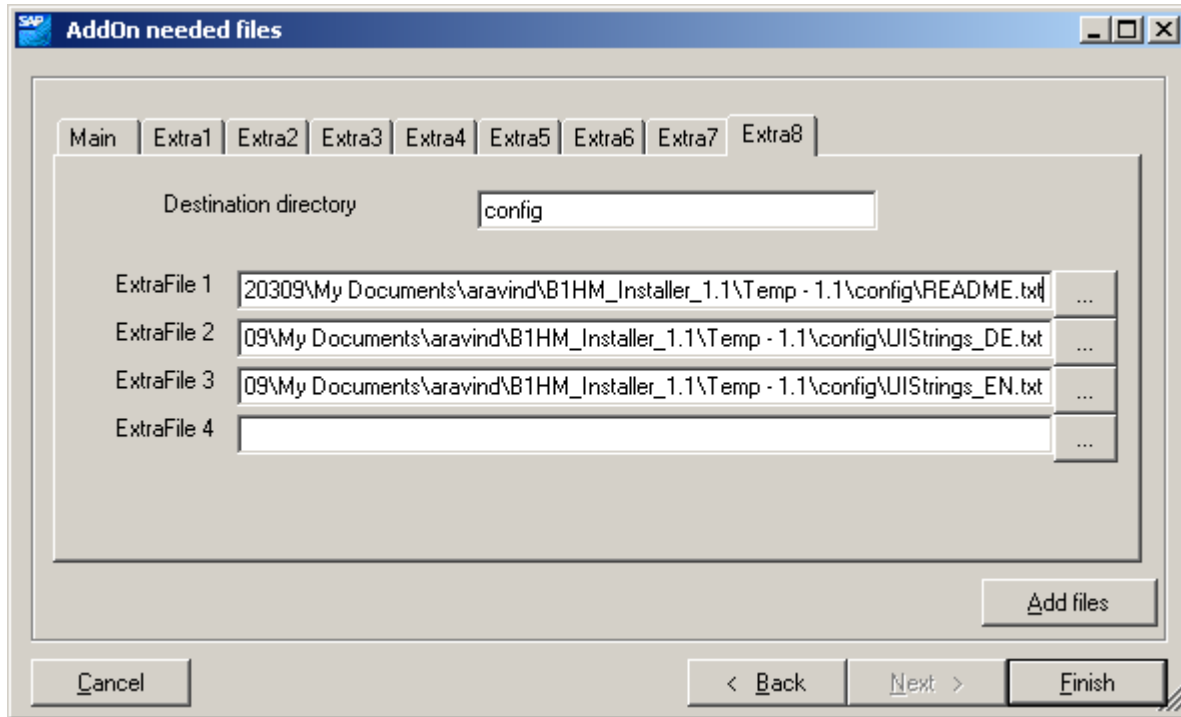
ExtraFile 4: M_Installer_1.1\Temp - 1.1\SAP B1HM AddOn Help\B1HM_Field_Grouped_By.htm ...

Add files

Cancel < Back Next > Finish



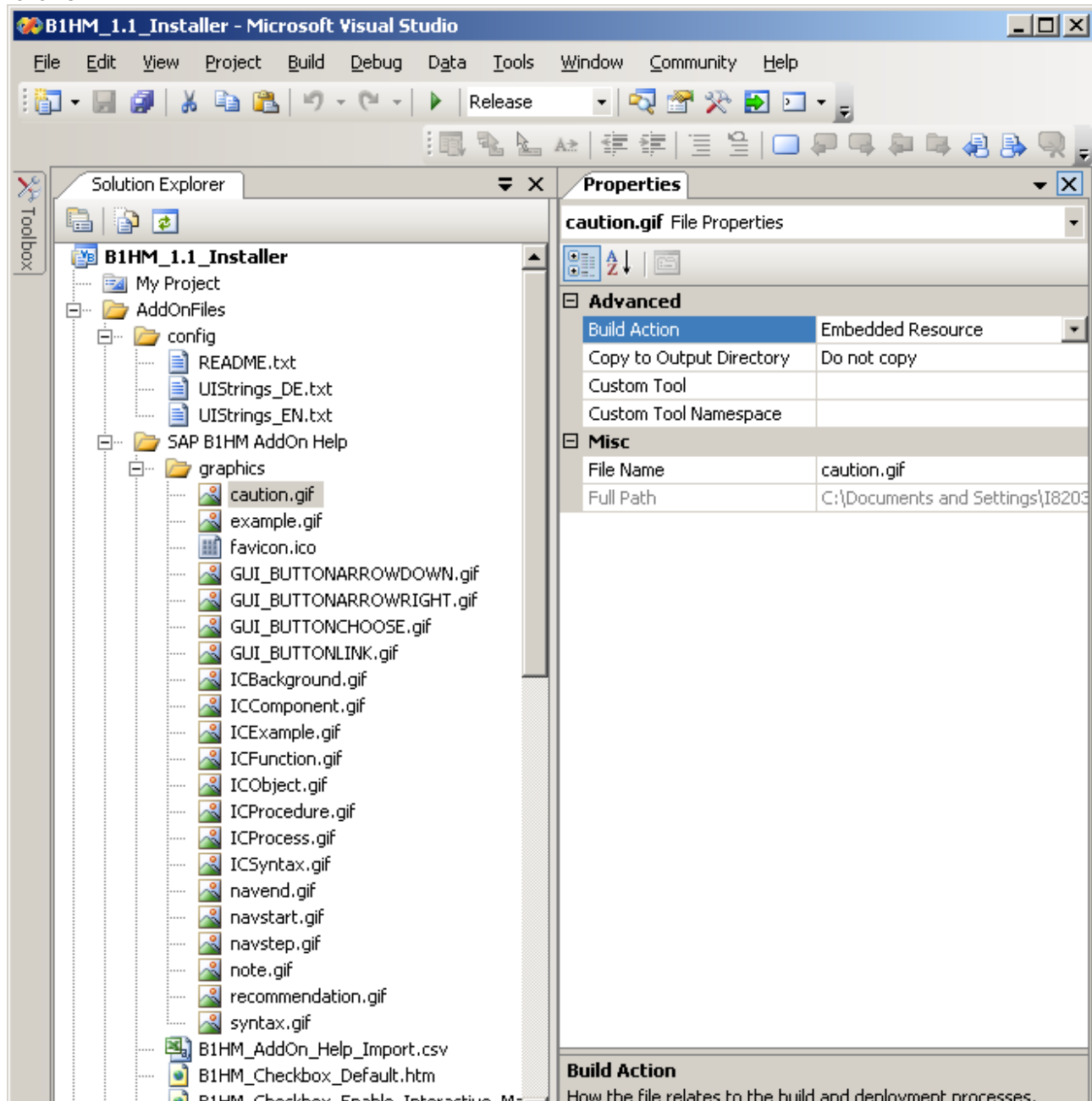
Enter **config** as the destination directory when adding files from this folder.



Click **Finish** and make sure that the installer project is successfully generated in Visual Studio.

3.2.3 Modify Installer Project

Since the Wizard does not support adding another “graphics” subfolder under “SAP B1HM AddOn Help”, the graphics folder and all its files must be added manually to the project as follows.



Create a **graphics** folder (under AddOnFiles\SAP B1HM AddOn Help) and all its files manually to the project. To add files, choose Add -> Existing Item. For all the graphics files added, set the **Build Action** property as **Embedded Resource**.

Modify the “AddOnInstallInfo.vb” file:

- The graphics file names and the corresponding folder location must be added to **ExtraFiles** and **ExtraDirectories** arrays (the code for these arrays is listed below – changes are in bold)
- To specify location, use “SAP B1HM AddOn Help\graphics”

```

Namespace AddOnInstaller
    Public Class AddOnInstallInfo

        Public StrAddOnInstallPath As String

        Public AddOnName As String

        Public PartnerName As String

        Public ExeFile As String

        Public DIFile As String

        Public UIFile As String

        Public B1WizardBaseFile As String

        Public ExtraFiles As System.String()

        Public ExtraDirectories As System.String()

        Public RestartNeeded As Boolean

        Public Sub New()
            MyBase.New
            ' INITIALIZATION CODE ...
            AddOnName = "B1HM - Custom Help Mapping"
            PartnerName = "SAP"
            RestartNeeded = False
            ExeFile = "B1CustomHelper.exe"
            DIFile = "Interop.SAPbobsCOM.dll"
            UIFile = "Interop.SAPbouicom.dll"
            ExtraFiles = New String() {"B1WizardBase.dll", "addContextHelpRCMei
            ExtraDirectories = New String() {"", "", "", "", "", "", "", "", ""}
        End Sub
    End Class
End Namespace

```

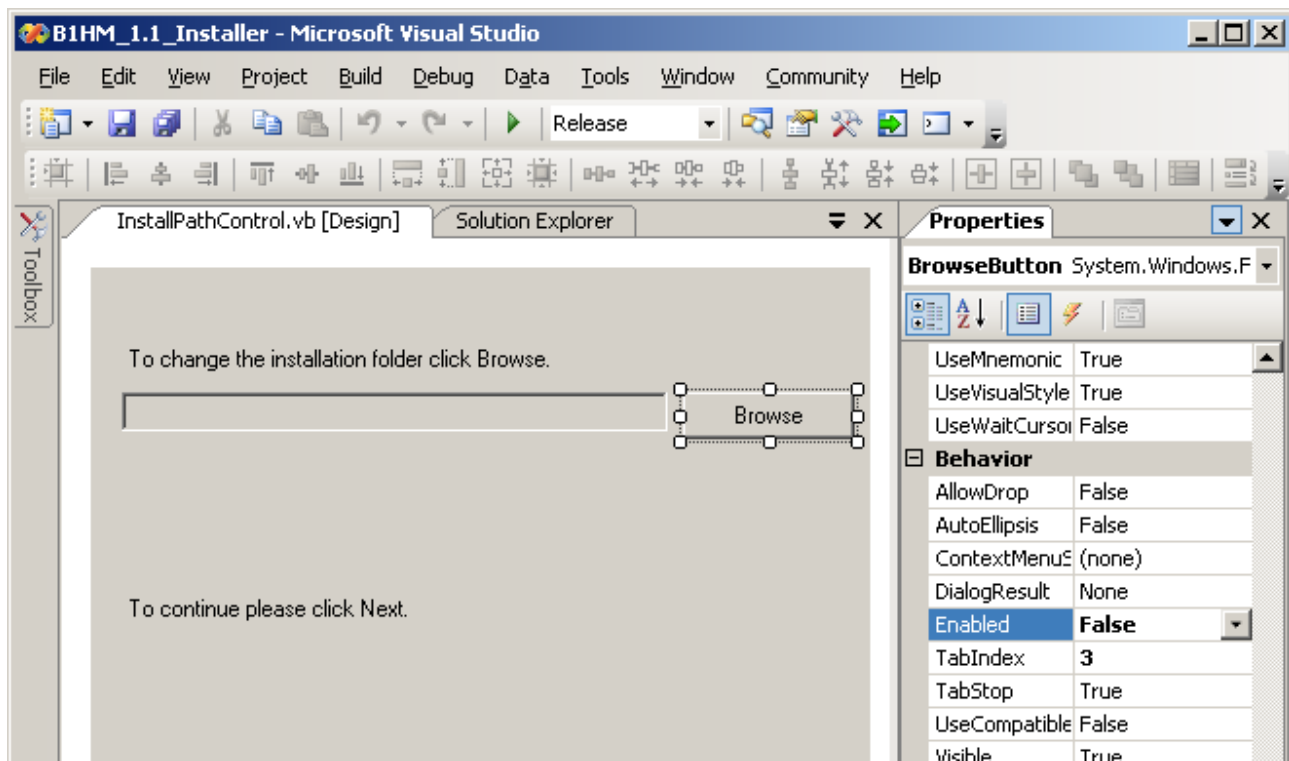
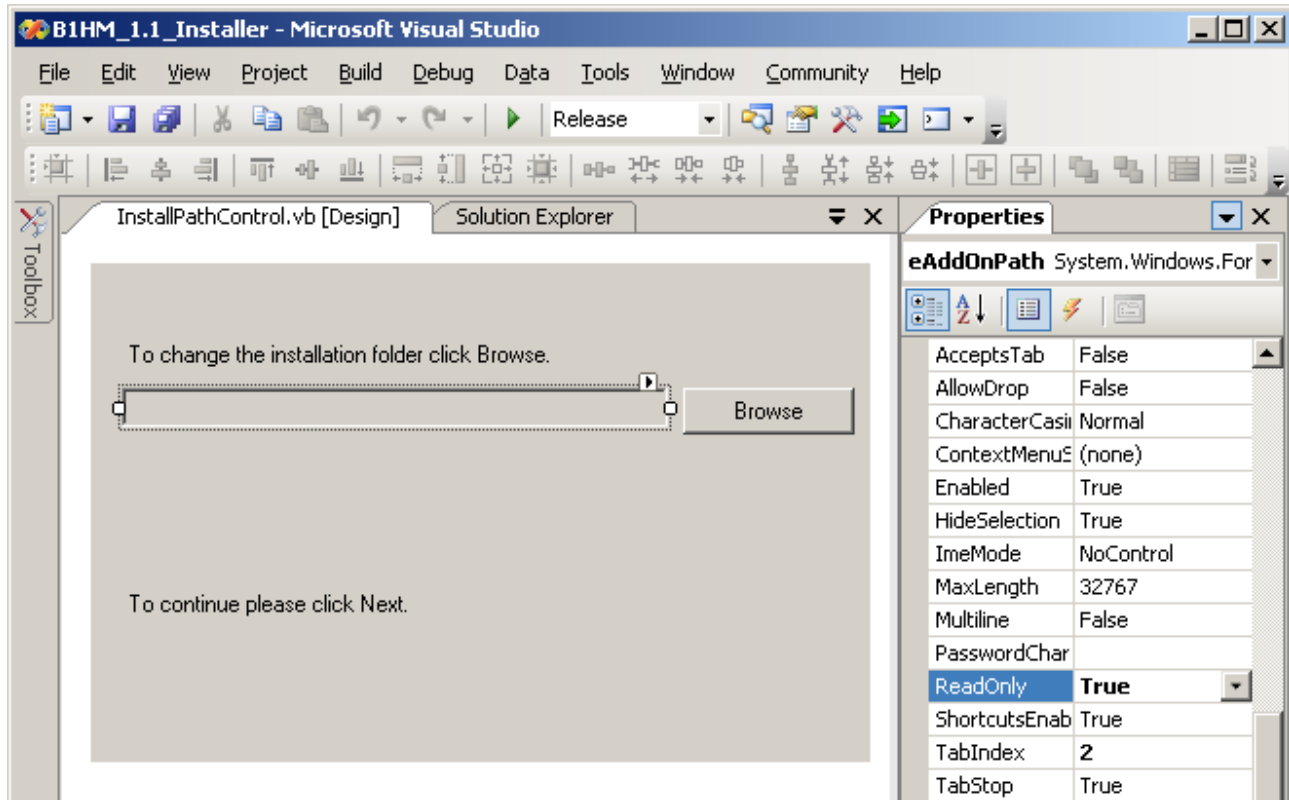
```

ExtraFiles = New String() {"B1WizardBase.dll", "addContextHelpRCMenus.xml",
"addSuperUserMenus.xml", "addSuperUserRCMenus.xml", "addWhatsThisRCMenus.xml",
"removeContextHelpRCMenus.xml", "removeSuperUserMenus.xml",
"removeSuperUserRCMenus.xml", "removeWhatsThisRCMenus.xml",
"SAP_CustomHelpMapForm.xml", "SAP_HelpMap0vv.xml", "B1HM_AddOn_Help_Import.csv",
"B1HM_Checkbox_Default.htm", "B1HM_Checkbox_Enable_Interactive_Mapping.htm",
"B1HM_Field_Application_Path.htm", "B1HM_Field_Caption.htm",
"B1HM_Field_File_Path.htm", "B1HM_Field_Filter_By_Partner_Key.htm",
"B1HM_Field_Grouped_By.htm", "B1HM_Field_Parameters.htm",
"B1HM_Tab_Custom_Help_Mapping.htm", "B1HM_Window_Help_Mapping_Overview.htm",
"B1HM_Window_Interactive_Help_Mapping.htm", "How to Use Custom Help Mapping in 2007 A
and 2007 B.pdf", "SAPStyleDefault.css", "README.txt", "UIStrings_EN.txt",
"UIStrings_DE.txt", "caution.gif", "example.gif", "favicon.ico",
"GUI_BUTTONARROWDOWN.gif", "GUI_BUTTONARROWRIGHT.gif", "GUI_BUTTONCHOOSE.gif",
"GUI_BUTTONLINK.gif", "ICBackground.gif", "ICComponent.gif", "ICExample.gif",
"ICFunction.gif", "ICObject.gif", "ICProcedure.gif", "ICProcess.gif", "ICSyntax.gif",
"navend.gif", "navstart.gif", "navstep.gif", "note.gif", "recommendation.gif",
"syntax.gif"}
ExtraDirectories = New String() {"", "", "", "", "", "", "", "", "", "", "", "SAP
B1HM AddOn Help", "SAP B1HM AddOn Help", "SAP B1HM AddOn Help", "SAP B1HM AddOn
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```

Disable the editing of Install Path controls as follows:

- InstallPathControl.vb => set **eAddOnPath** text box property **ReadOnly=TRUE**
- InstallPathControl.vb => set **BrowseButton** property **Enabled=FALSE**



Recompile the project using **Rebuild All**. Make sure a new **B1HM_1.1_Installer.exe** file is generated in `...\B1HM_1.1_Installer\bin`.

3.2.4 Create Package

After the installer project is successfully rebuilt, generate the ARD file again by launching (Double clicking) ...\\B1HM_1.1_Installer\\AddOnRegDataGenFile\\AddOnRegDataGen.bat

A new **B1HM - Custom Help Mapping.ard** file is generated in ...\\B1HM_1.1_Installer\\bin

Edit **B1HM - Custom Help Mapping.ard** file in a text editor (or using the tool ...\\SAP Business One SDK\\Tools\\AddOnRegDataGen\\AddOnRegDataGen.exe) and modify the Namespace & Contact Data appropriately.

Add-On Registration Data Generator

Partner Info

Name * SAP Namespace * SAP

Contact Data * SAP

AddOn info

Name * B1HM - Custom Help Mapping Version * 1.1 Mandatory

AddOn Exe Full Path * B1CustomHelper.exe ...

Install Info

Installer Exe Full Path B1HM_1.1_Installer.exe ... Estimated Install Time 100 Seconds

Installer Command Line Arguments

Uninstall Info

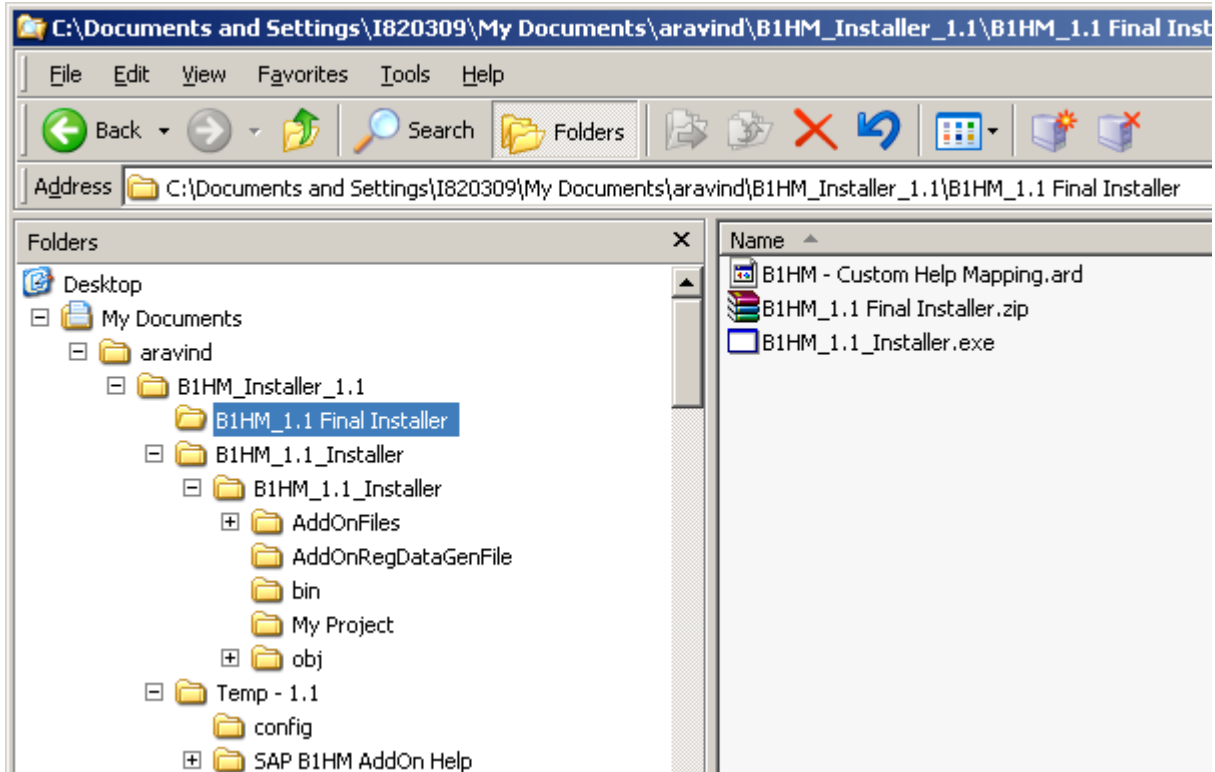
Uninstaller Exe Full Path B1HM_1.1_Installer.exe ... Estimated Uninstall Time 100 Seconds

Uninstaller Command Line /x

Load from file Generate file Close

Copy the installer exe (...\\B1HM_1.1_Installer\\bin\\B1HM_1.1_Installer.exe) and the ARD file (...\\B1HM_1.1_Installer\\bin\\B1HM - Custom Help Mapping.ard) to a separate location e.g. **B1HM_1.1 Final Installer**.

Create a zip file **B1HM_1.1 Final Installer.zip** with Installer exe and ARD files as shown below.



4. Related Content

For additional information on B1HM, please refer to the following resources on SDN.

[B1HM page](#) – The main page of B1HM on SDN

[Frank Moebius's blog](#) provides insights into how B1HM was designed and built

For more information, visit the [Business One homepage](#).

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