

Beau Blaser Software Blaser Emergency Alert Messaging System [B.E.A.M.S.]

Version 2.x – Supplement

Steps to providing arguments to the BEAMS Client MSI

The BEAMS Client MSI installer can be downloaded from the licensing portal at http://www.blaser.us/licensing/

Command-Line Arguments

Here are the command-line options you can use with msiexec

SERVERNAME	This is the FQDN (fully qualified domain name) or IP address of your BEAMS server
SERVERPORT	This is the port you have specified when installing the BEAMS server (usually 50911)
NEWGUID	Each time the installer is run, it generates a new GUID which will create duplicate entries in the client list. If you want to keep the same GUID, you can set this option to FALSE (0) and it will retain the original GUID for the client.

Here are some examples using the command-line arguments:

Installing/Upgrading:

msiexec SERVERNAME="127.0.0.1" SERVERPORT="50911" NEWGUID=0 /i Blaser_BEAMS_Client.msi /quiet

Uninstalling:

msiexec /x Blaser_BEAMS_Client.msi /quiet

You can optionally edit the BEAMS Client MSI properties to pre-populate the settings for your network environment. To do this, you will need a free tool called *Orca* available from Microsoft Corporation. The link to the free SDK is here: http://msdn2.microsoft.com/en-us/library/aa370834(VS.85).aspx

In part, the instructions contained on the website mentioned above state:

Orca is only available in the Windows SDK Components for Windows Installer Developers. It is provided as an **Orca.msi** file. After installing the Windows SDK Components for Windows Installer Developers, double click **Orca.msi** to install the **Orca.exe** file.

Installing Orca

- 1. Download the setup program for the Windows SDK Components for Windows Installer Developers.
- 2. Launch the setup program.
- 3. When presented with the **Installation Options** window, select only the *Windows Development Tools* under the *Developer Tools* section as shown below.

🖑 Windows SDK Setup Wizard					×	
Installation Options			Softw Devel	are opment	Kit	
 .NET Framework 3.0 Samples Win32 .NET Framework 3.0 Samples in Documentation Samples in .ZIP files Developer Tools Windows Vista Headers and Librari 	 Feature Description Detail Install the reference assemblies, IntelliSense files and tools needed to develop Windows applications using both the .NET Framework 3.0 and Win32 API. Note that in order to run .NET Framework 3.0 tools, the latest .NET Framework 3.0 Runtime Components must be installed. (The .NET Framework 3.0 Runtime Components are installed on Windows Vista by default.) This feature and its children require 90.5 MB of hard disk space. 					
Visual C++ Compilers			require 90.5 MB o	f hard disk space	e,	
X FxCop	Disk space re					
Debugging Tools for Windows	Volume	Size	Available	Required		
Undows Development Tools	C:	72.4 GB	30.4 GB	0 bytes	3	
Win32 Development Tools	D:	2.0 GB	1.4 GB	0 bytes	1	
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- 4. After setup has completed, navigate to the following location on your computer: C:\Program Files\Microsoft SDKs\Windows\v6.0\Bin
- 5. Launch Orca.msi to install Orca



Editing the BEAMS Client MSI

- 1. Download the BEAMS Client MSI from the licensing portal
- 2. Right-click on the installer and select Edit with Orca



Specifying values for Server and Port

- In the left column, select CustomAction
 In the right column, look in the Target column to find the values
 [SERVERPORT] and [SERVERNAME]
- Edit the values to reflect your BEAMS Server settings.
 For example, if your BEAMS Server is running on port 50911, change the [SERVERPORT] value to read 50911

If your BEAMS Server hostname is **beams.domain.tld**, then change the **[SERVERNAME]** value to read **beams.domain.tld**

Use the following two images as an example:

Before:

controlcondition		ERRCA_CANCELNEWERVERSION	19		[V3DVERSIONIVISO]
ControlEvent		ERRCA_UIANDADVERTISED	19		[VSDUIANDADVERTISED
CreateFolder	=	CustomTextA_SetProperty_EDIT3	307	EDITA3	
CustomAction		CustomTextA_SetProperty_EDIT2	307	SERVERPORT	[SERVERPORT]
Dialog		CustomTextA_SetProperty_EDIT1	307	SERVERNAME	[SERVERNAME]
Directory		CustomTextA_SetProperty_EDIT4	307	EDITA4	
DrLocator					

After:

ControlCondition		ERRCA_CANCELNEWERVERSION	19		[VSDVERSIONMSG]
ControlEvent		ERRCA_UIANDADVERTISED	19		[VSDUIANDADVERTISE
CreateFolder	=	CustomTextA_SetProperty_EDIT3	307	EDITA3	
CustomAction		CustomTextA_SetProperty_EDIT2	307	SERVERPORT	50911
Dialog		CustomTextA_SetProperty_EDIT1	307	SERVERNAME	beams.domain.tld
Directory		CustomTextA_SetProperty_EDIT4	307	EDITA4	
DrLocator					

Generating a new GUID

By default, every new installation of the BEAMS Client generates a new, unique GUID (Globally Unique Identifier). This is how the BEAMS Server identifies each client that connects and how the server maintains the Alert Zone lists; it is all based on the GUID of the client. During upgrades of the BEAMS Client, many wish to preserve their existing client GUIDs. To do this, one value needs to be modified in the MSI.

- In the left column, select **Property**.
 In the right column, find the source called **NEWGUID**
- 2. Change the value from 1 to 0.
 1 (as in the Boolean for 'true') tells the installer to generate a new GUID during installation.
 0 (as in the Boolean for 'false') tells the installer to preserve the existing GUID.

Note: If the installer does not detect an existing GUID (as in this is a fresh install), it will automatically generate a new GUID even if this value is set to **0**.

NEWGUID set to 1 will generate a new GUID during installation

Patch	EDITA3	1
PatchPackage	EDITA2	1
ProgId	EDITA1	1
Property	NEWGUID	1
PublishComponent	ErrorDialog	ErrorDialog
RadioButton	SFF_UpFldrBtn	UpFldrBtn
RegLocator	SEE NewEldrBtn	NewFldrBtn

NEWGUID set to **0** will preserve the existing GUID during installation. If it is a new installation, a new GUID will be generated and used.

Patch	EDITA3	1
PatchPackage	EDITA2	1
ProgId	EDITA1	1
Property	NEWGUID	0
PublishComponent	ErrorDialog	ErrorDialog
RadioButton	SFF_UpFldrBtn	UpFldrBtn
RegLocator	SFF_NewFldrBtn	NewFldrBtn

Finally, select **File**, **Save** to save the MSI with your customizations.

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File	Edit Tables Transfo	rm	Tools	View	Help			
	New		Ctrl+	N				
	Open	Ctrl+O						
	Save		Ctrl+	۲S				
	Save As							
	Save Transformed As							

You can now deploy this MSI using your customized settings.