

Advanced Options for the Application Builder

Presented by: Keisuke Miyako, Technical Account Manager – 4D Japan.



Introduction

The Build Application¹ tool allows the developer to quickly configure their build project with basic parameters. The tool automatically generates a buildApp.4DSettings XML project file in the *Settings* folder adjacent to the project or structure file and internally calls the BUILD APPLICATION² command.

Basic aspects of your final application related to branding, setup, and security can be configured using the application builder. However, as shown in the table below, the dialog exposes only a subset of options that is available in 4D.

Version	Key	Tool	Command
	BuildApplicationName	✓	✓
	ServerIconMacPath		✓
	ServerIconWinPath		✓
	RuntimeVLIconMacPath		✓
	RuntimeVLIconWinPath		✓
	CommonVersion		✓
	CommonCopyright		✓
	CommonCreator		✓
	CommonComment		✓
	CommonCompanyName		✓
	CommonFileDescription		✓
	CommonInternalName		✓
	CommonLegalTrademark		✓
	CommonPrivateBuild		✓
	CommonSpecialBuild		✓
	RuntimeVLVersion		✓
	RuntimeVLCopyright		✓
	RuntimeVLCreator		✓

¹ See [Build Application](#) in the official documentation.

² See [BUILD APPLICATION](#) in the official documentation.

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Version	Key	Tool	Command
	RuntimeVLComment		✓
	RuntimeVLCompanyName		✓
	RuntimeVLFileDescription		✓
	RuntimeVLInternalName		✓
	RuntimeVLLegalTrademark		✓
	RuntimeVLPrivateBuild		✓
	RuntimeVLSpecialBuild		✓
	ServerVersion		✓
	ServerCopyright		✓
	ServerCreator		✓
	ServerComment		✓
	ServerCompanyName		✓
	ServerFileDescription		✓
	ServerInternalName		✓
	ServerLegalTrademark		✓
	ServerPrivateBuild		✓
	ServerSpecialBuild		✓
	ClientVersion		✓
	ClientCopyright		✓
	ClientCreator		✓
	ClientComment		✓
	ClientCompanyName		✓
	ClientFileDescription		✓
	ClientInternalName		✓
	ClientLegalTrademark		✓
	ClientPrivateBuild		✓

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Version	Key	Tool	Command
	ClientSpecialBuild		✓
v19	ServerStructureFolderName ³	✓	
v19	ClientServerSystemFolderName ⁴	✓	
	BuildCompiled	✓	✓
	BuildComponent	✓	✓
	BuildApplicationSerialized	✓	✓
	BuildCSUpgradeable	✓	✓
	BuildServerApplication	✓	✓
	BuildMacDestFolder	✓	✓
	BuildWinDestFolder	✓	✓
	ServerIncludelt	✓	✓
	ClientMacIncludelt	✓	✓
	ClientWinIncludelt	✓	✓
	RuntimeVLIIncludelt	✓	✓
	ServerMacFolder	✓	✓
	ServerWinFolder	✓	✓
	ClientMacFolderToMac	✓	✓
<i>deprecated</i>	ClientWinFolderToMac	✓	✓
	ClientWinFolderToWin	✓	✓
<i>deprecated</i>	ClientMacFolderToWin	✓	✓
	RuntimeVLMacFolder	✓	✓
	RuntimeVLWinFolder	✓	✓
<i>deprecated</i>	DataFilePath		✓
	IPAddress		✓

³ See [Multiple instances of merged server applications on the same machine](#) on the official blog.

⁴ See [Multiple servers, one shared local resources](#) on the official blog.

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Version	Key	Tool	Command
	PortNumber		✓
v18	DatabaseToEmbedInClientMacFolder		✓
v18	DatabaseToEmbedInClientWinFolder		✓
v20	MacCompiledDatabaseToWinIncludeIt ⁵	✓	✓
v20	MacCompiledDatabaseToWin ⁶	✓	✓
	ArrayExcludedComponentName	✓	✓
	ArrayExcludedPluginID	✓	✓
	ArrayExcludedPluginName	✓	✓
	IncludeAssociatedFolders	✓	✓
v20	ArrayExcludedModuleName ⁷	✓	✓
v16	LastDataPathLookup	✓	✓
v18	ClientWinSingleInstance		✓
v20	ShareLocalResourcesOnWindowsClient ⁸		✓
v20	ClientUserPreferencesFolderByPath ⁹		✓
	CurrentVers	✓	✓
	RangeVersMin	✓	✓
	RangeVersMax	✓	✓
v14	StartElevated		✓
v20	ServerDataCollection ¹⁰		✓
	ArrayLicenseMac	✓	✓
	ArrayLicenseWin	✓	✓
	IsOEM		✓

⁵ See [Build a custom remote connection dialog](#) on the official blog.

⁶ See [Simplified cross-platform client/server application building on Windows](#) on the official blog.

⁷ See [Reduce your 4D apps' size with these new features](#) on the official blog.

⁸ See [Share Local Resources Between Users with Windows Remote Desktop Services](#) on the official blog.

⁹ See [Use duplicated merged client applications](#) on the official blog.

¹⁰ See [Data Collection Insights](#) on the official blog.

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Version	Key	Tool	Command
<i>deprecated</i>	HardLink		✓
v14	MacSignature	✓	✓
v14	MacCertificate	✓	✓
v16	ServerSelectionAllowed		✓
v19	AdHocSign	✓	✓
v19	PackProject		✓
v20	HideDataExplorerMenuItem ¹¹		✓
v20	HideRuntimeExplorerMenuItem		✓
v20	ServerEmbedsProjectDirectoryFile ¹²		✓
v20	UseStandardZipFormat ¹³		✓
v20	HideAdministrationMenuItem ¹⁴		✓

¹¹ See [Disabling explorers on merged servers](#) on the official blog.

¹² See [Directory file management in merged server projects](#) on the official blog.

¹³ See [Secure your app's resources with a new algorithm](#) on the official blog.

¹⁴ See [Integrate your Own Administration Window for 4D Server](#) on the official blog.

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¹⁵ See [Build Application](#) in the official documentation.

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