

Built-in Coercion Handlers

The following is a table describing the various coercions that the **Apple Event Manager** can perform. The **Desired descriptor type** is the value that you would pass to an **Apple Event Manager** routine that accepts a coercion type, such as **AEGetParamPtr**, **AEGetAttributePtr**, **AEGetParamDesc**, **AEGetAttributeDesc**, **AEGetNthPtr**, **AEGetNthDesc**, **AEGetArray**, **AEGetKeyPtr**, or **AEGetKeyDesc**.

Original descriptor type	Desired descriptor type	Description
<u>typeChar</u>	<u>typeInteger</u> <u>typeLongInteger</u> <u>typeSMInt</u> <u>typeSMFloat</u> <u>typeShortInteger</u> <u>typeLongFloat</u> <u>typeShortFloat</u> <u>typeExtended</u> <u>typeComp</u> <u>typeMagnitude</u>	Any string that is a valid representation of a number can be coerced into an equivalent numeric value.
<u>typeInteger</u> <u>typeLongInteger</u> <u>typeSMInt</u> <u>typeSMFloat</u> <u>typeShortInteger</u> <u>typeLongFloat</u> <u>typeShortFloat</u> <u>typeExtended</u> <u>typeComp</u> <u>typeMagnitude</u>	<u>typeChar</u>	Any numeric <u>descriptor type</u> can be coerced into the equivalent text string.
<u>typeInteger</u> <u>typeLongInteger</u> <u>typeSMInt</u> <u>typeSMFloat</u> <u>typeShortInteger</u> <u>typeLongFloat</u> <u>typeShortFloat</u> <u>typeExtended</u> <u>typeComp</u> <u>typeMagnitude</u>	<u>typeInteger</u> <u>typeLongInteger</u> <u>typeSMInt</u> <u>typeSMFloat</u> <u>typeShortInteger</u> <u>typeLongFloat</u> <u>typeShortFloat</u> <u>typeExtended</u> <u>typeComp</u> <u>typeMagnitude</u>	Any numeric <u>descriptor type</u> can be coerced into any other numeric <u>descriptor type</u> .
<u>typeTrue</u> <u>typeFalse</u> <u>typeEnumerated</u>	<u>typeBoolean</u> <u>typeBoolean</u> <u>typeBoolean</u>	The result is <u>TRUE</u> . The result is <u>FALSE</u> . The enumerated value 'true' becomes the <u>Boolean</u> value <u>TRUE</u> . The enumerated value 'false' becomes the <u>Boolean</u> value <u>FALSE</u> .
<u>typeBoolean</u>	<u>typeEnumerated</u>	The <u>Boolean</u> value <u>FALSE</u> becomes the enumerated

		value ' <u>false</u> '. The <u>Boolean</u> value <u>TRUE</u> becomes the enumerated value ' <u>true</u> '.
<u>typeShortInteger</u>	<u>typeBoolean</u>	A value of 1 becomes the <u>Boolean</u> value <u>TRUE</u> . A value of 0 becomes the <u>Boolean</u> value <u>FALSE</u> .
<u>typeBoolean</u>	<u>typeShortInteger</u>	A value of <u>FALSE</u> becomes 0. a value of <u>TRUE</u> becomes 1.
<u>typeAlias</u>	<u>typeFSS</u>	An <u>alias record</u> is coerced into a file system specification record.
<u>typeAppleEvent</u>	<u>typeAppParameters</u>	An Apple event is coerced into a list of application parameters for the <u>LaunchParamBlockRec</u> parameter block.
any <u>descriptor type</u>	<u>typeAEList</u>	A <u>descriptor record</u> is coerced into a descriptor list with a single item.
<u>typeAEList</u>	<i>type of list item</i>	A <u>descriptor list</u> containing a single <u>descriptor record</u> is coerced into a descriptor record.