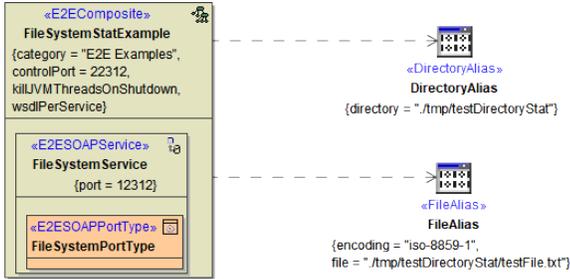


File System Components

Builder 7 The usage of file system access is represented by two aliases: a **directory alias** (having stereotype `<<DirectoryAlias>>`) and a **file alias** (having stereotype `<<FileAlias>>`). They are connected to the service composite by a dependency.

Figure: File System Component Diagram



The alias **FileAlias** represents a certain file, the alias **DirectoryAlias** represents a certain directory on the file system. On both you can use relative paths - they will be relative to the service directory on the E2E Bridge, then.

The directory alias can define a base directory and a default file encoding:

- The default file **encoding** can be overridden per adapter call using a dynamic **encoding** parameter, e.g. on File System Adapter calls reading lines, or with the Flat File Adapter.
- Regarding the base **directory**, the file name parameter will be treated as a path relative to this directory on the File System Adapter call. Jumping out of the base directory by `./././` `/aDirectory` tricks is impossible. The base directory can be changed in the service settings on the E2E Bridge, however.

See also [Directory Alias and Dynamic File Access](#) for an example of using the directory alias with dynamic file access.

Using a file resource, neither file encoding nor file path can be overridden.

Tagged Values

<<DirectoryAlias>>

Tagged Value	Description	Allowed Values
directory	Specify a path to a directory. This directory will be treated as a base directory. It will be either used directly (for a File System Adapter operating directly on directories), or as a base directory for a path segment given by a dynamic file name parameter. It is not possible to jump out of the base directory by <code>./././aDirectory</code> tricks. The base directory can only be changed in the service settings on the Bridge.	Example: ./tmp/testDirectory
fileEncoding	Specify the default encoding be used with the directory. This default encoding can be overwritten on adapter calls, using a dynamic encoding parameter, e.g. on File System Adapter calls reading lines, or with the Flat File Adapter.	Refer to Charset Definitions for possible values. default: iso-8859-1

<<FileAlias>>

Tagged Value	Description	Allowed Values
file	Specify name and path of the file you want to access.	Example: ./tmp/testDirectory/testFile.txt

On this Page:

- [Tagged Values](#)
 - [«DirectoryAlias»](#)
 - [«FileAlias»](#)
- [File System Components of Builder Version 6](#)

Related Pages:

- [Charset Definitions](#)
- [Importing File Resources](#)
- [xUML Service Settings](#)

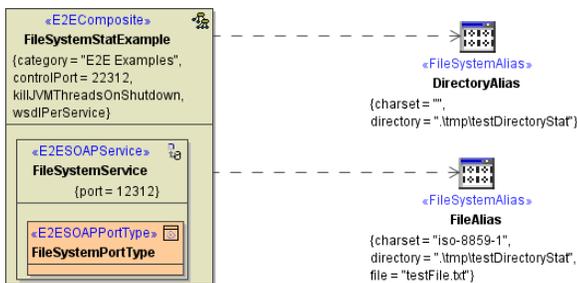
encoding	Specify the encoding of the file.	Refer to Charset Definitions for possible values.	
		default	iso-8859-1
resource	<p>Instead of a file, you can select a resource from the list of imported resources. The File System Adapter will then use the resource instead of file.</p> <p>The resource can be replaced changing the resource path in the File System Adapter settings of the xUML service.</p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p>If resource is specified neither file nor encoding can be overridden dynamically.</p> </div> <p>See Importing File Resources for more information on importing resources and xUML Service Settings for more information on changing the settings of a service.</p>		

File System Components of Builder Version 6

Deprecated since Builder 7

The use of file system access is represented by the two aliases **DirectoryAlias** and **FileAlias**. Both have the stereotype `<<FileSystemAlias>>`. They are connected to the service composite by a dependency.

Figure: File System Component Diagram



The alias **FileAlias** represents a certain file. It has three tagged values:

- **fileName**: The file name of the file you want to access.
- **directory**: The path to the file.
- **charset**: The charset definition of the file.

The alias **DirectoryAlias** represents a certain directory on the file system. Hence, only the tagged value **directory** has to be defined.

Tagged Values of the `<<FileSystemAlias>>`

In general, a `<<FileSystemAlias>>` can have four tagged values:

Tagged Value	Description	Allowed Values	
fileName	Specify the name of the file you want to access. Leave this tagged value empty, if you want to access a directory.	Example:	myFile.txt
directory	Specify the path to the file or directory.	Example:	.\tmp\testDirectory
charset	Specify the charset of the file. Refer to Charset Definitions for possible values. If the alias refers to a directory, specifying charset is superfluous.	default	iso-8859-1

resource	<p>Instead of a fileName, you can select a resource from the list of imported resources. The File System Adapter will then use the resource instead of directory/fileName.</p> <p>The resource can be replaced changing the resource path in the File System Adapter settings of the xUML service.</p> <p>See Importing File Resources for more information on importing resources and xUML Service Settings for more information on changing the settings of a service.</p>	
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