Reading Files

ⓘ This page explains the **Filesystem Adapter** in Bridge context. If you were looking for the same information regarding the PAS Designer, refer to Filesystem Adapter in the Designer guide.

Parameters of Action "read"

Name	Type	Direction	Description
name	String	in	Fully qualified file name of the file you want to read, including the path. When using the Windows style with backward slashes "\" you have to be aware that you have escape this character. The escape character is also the "\". To avoid this, use forward slashes with Windows as well.
position	Integer	in	Position (in Bytes) from which you want to start reading the file.
length	Integer	in/out	Length (in Bytes) of the snippet of the file you want to read. The actual length of the read data is given back (e.g. on file end).
data	Blob	out	Content that has been read.

Defining a "read" Action

To read a file with the file system adapter, you need to define a **read** action on an action having the stereotype <<FileSystemAdapter>>. You can do this manually or with the help of the xUML Action Wizard (see context menu of the action node).

Figure: Reading a File
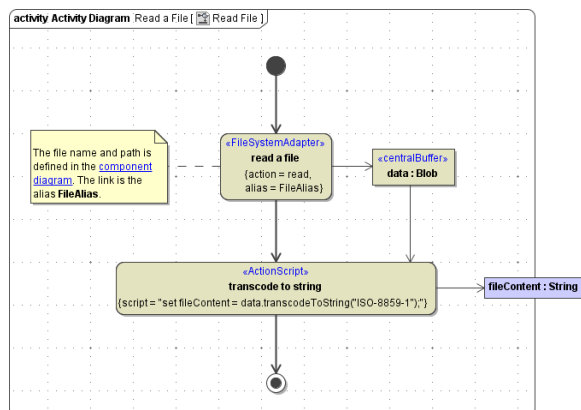
The file content is of base type **Blob** and can be stored either in an output object buffer, as in the above diagram, or in an output pin; in both cases the output must be named **data**.

The path and file name of the file you want to access are defined in the component diagram.The link from the activity diagram to the physical information is established by an alias (in the present example: **FileAlias**). See File System Components for more information on file system aliases.
For information on how to access a file or directory dynamically refer to Dynamic File System Access.

Properties of the File System Adapter Action

To specify the action of reading a file open the specification dialog of the file system adapter and choose the corresponding item from the list of **Action** entries:

Figure: The Specification Dialog of the File System Adapter
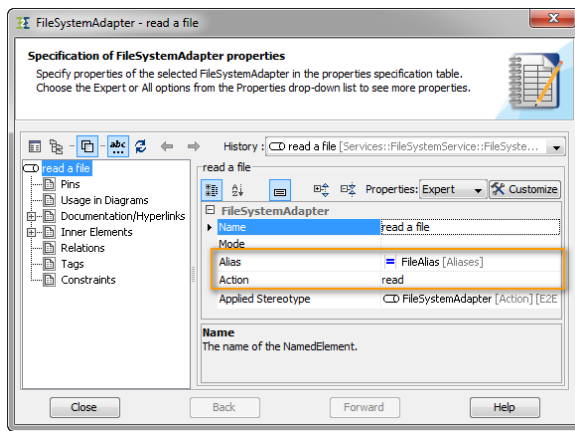
Alternatively, you also could use the xUML Action Wizard (see context menu of the action node).