File

💬 Non-Visible component

Category	Requires	Version
Storage	API 19, Android 4.4 - 4.4.4 KitKat	5

Overview

Non-visible component for storing and retrieving files. Use this component to write or read files on your device. The default behaviour is to write files to the private data directory associated with your App. The Companion is special cased to write files to /sdcard/Makeroid/data to facilitate debugging. If the file path starts with a slash (/), then the file is created relative to /sdcard. For example writing a file to /myFile.txt will write the file in /sdcard/myFile.txt.

> ⋮☰ **Permissions** ⌄
>
> • android.permission.READ_EXTERNAL_STORAGE
> • android.permission.WRITE_EXTERNAL_STORAGE

Events

After File Saved

Event indicating that the contents of the file have been written.

Params	
file Name	Text

After Unzip

Event indicating that the zip file have been created.

After Zip
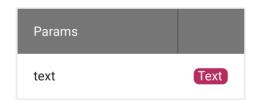
Event indicating that the zip file have been created.

Directory Created

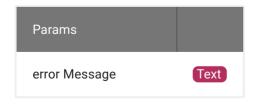Event indicating that there was a directory created. The return value is 'true' or 'false'.

Params	
is Directory Created	Boolean

Got Text

Event indicating that the contents from the file have been read.

Params	
text	Text

On Zip Failure

Event indicating that there was any failure on zip or unzip a file.

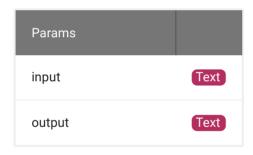| Params	
error Message	Text

Methods

Append To File

Appends text to the end of a file storage, creating the file if it does not exist. See the help text under SaveFile for information about where files are written.
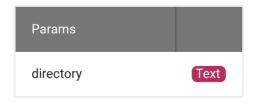
Params	
text	Text
file Name	Text

Copy

Copy file

Params	
input	Text
output	Text

Create Directory
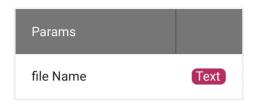
Create a new directory.

Params	
directory	Text

Delete

Deletes a file from storage. Prefix the filename with / to delete a specific file in the SD card, for instance /myFile.txt. will delete the file /sdcard/myFile.txt. If the
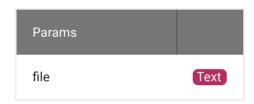
file does not begin with a /, then the file located in the programs private storage will be deleted. Starting the file with // is an error because assets files cannot be deleted.

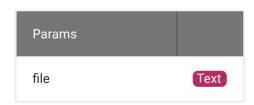| Params	
file Name	Text

Exists

Returns: *Boolean*

Check whether a file exists

Params	
file	Text

File Size

Returns: *Number*

Get file size

Params	
file	Text

Get File Name

Returns: *Text*

Get file name

Params	
file	Text

Get Free Space

Returns: *Number*

Get Free Space

Params	
path	Text

Get Total Space

Returns: *Number*

Get total space

Params	
path	Text

Is Directory

Returns: *Boolean*

Check whether the path is a directory

Params	
path	Text

Is File

Returns: *Boolean*

Check whether the path is a file

Params	
path	Text

Move

Returns: *Boolean*

Move file

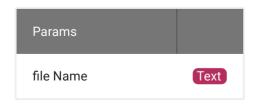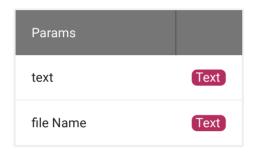| Params	
input	Text
output	Text

Read From

Reads text from a file in storage. Prefix the filename with / to read from a specific file on the SD card. for instance /myFile.txt will read the file /sdcard/myFile.txt. To read assets packaged with an application (also works for the Companion) start the filename with // (two slashes). If a filename does not start with a slash, it will be read from the applications private storage (for packaged apps) and from /sdcard/AppInventor/data for the Companion.

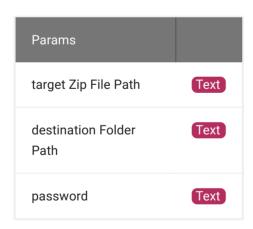| Params	
file Name	Text

Save File

Saves text to a file. If the filename begins with a slash (/) the file is written to the sdcard. For example writing to /myFile.txt will write the file to /sdcard/myFile.txt. If the filename does not start with a slash, it will be written in the programs private data directory where it will not be accessible to other programs on the phone. There is a special exception for the AI Companion where these files are written to /sdcard/AppInventor/data to facilitate debugging. Note that this block will overwrite a file if it already exists If you want to add content to a file use the append block.
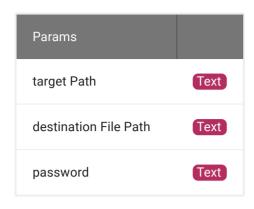
Params	
text	Text
file Name	Text

Unzip

Unzip a file with or without a password. If you dont need a passwort then let it empty.

Params	
target Zip File Path	Text
destination Folder Path	Text
password	Text

Zip

Create a zip file with or without a password.

Params	
target Path	Text
destination File Path	Text
password	Text

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