The Non-Casual Reference to
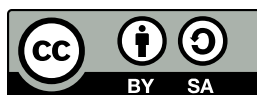
PoSRIC

\ˈpoż-ˈrik

an acronym for the
Portable **S**cripted **R**iPorFS **I**nterface in **C**

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Introduction

RiPorFS was created with the idea of a truly limitless and portable file system.

Building(Linux)

To build **PoSRIC** under linux you must have make and some form of GCC-like C compiler. Once those are installed, run `make` in the root **PoSRIC** directory, and `sudo make install` to install into /usr/bin.

Commands

Command	Description
#:foo is blue;	Make a comment about foo being blue
exit:;	Exit posric with no errors
giveUp:foo;	Print "foo" and exit if the last command ended in error
echo:foo;	Print "foo" to the screen
use:foo.rpf;	Use the archive "foo.rpf"
format:;	Format the archive being used

RiPorFS vII Specs

The **Ri**dged **Por**table **F**ile **S**ystem is a storage protocol based off of(as you guessed) ridges. Ridges are 8-bit unsigned integers with a range between 1 & 256, and have a dual purpose: to describe data, and to provide data. Description ridges have the 8th bit set, and describe the data ridges that follow. Data ridges describe blocks of data that are 1-128 bytes long and end with a Fletcher 16 checksum. The data from the data ridges following a descriptor ridges are combined, and interpreted as descriptor ridges tell to.

RiPorFS Ridge #s

Hex Value	Name	Description
FF	NULL Data	Used when the following data can be ignored
FE	File Data Ridge	Used when filedata is being read
FD	File Name Ridge	Used when a filename is being read. Encoded UTF-8
FC	Directory Name Ridge	Used when sorting files into a directory (named with the data being read). Encoded UTF-8
FB	Directory End Ridge	Used to end a directory
FA	Time Of Creation	Used to tell the time of creation of the following file/directory names. Data is a variable-length little-endian integer representing the time of creation in UNIX time.
F9	Time Of Modification	Used to tell the time of the last modification of the following file/directory names. Data is a variable-length little-endian integer representing the time of the last modification in UNIX time.
F8	File Owner	The name of the owner of the following files/directories. Encoded in UTF-8
F7	Last Writer	The name of the last person who modified the following files/directories. Encoded in UTF-8
F6	Permissions	The UNIX permissions for the following files/directories
F5	File Type	The MIME type of the following files
80	XML Metadata	Misc. XML metadata