

## NAME

CPANPLUS::Internals::Extract

## SYNOPSIS

```
### for source files ###
$self->_gunzip( file => 'foo.gz', output => 'blah.txt' );

### for modules/packages ###
$dir = $self->_extract( module      => $modobj,
                      extractdir  => '/some/where' );
```

## DESCRIPTION

CPANPLUS::Internals::Extract extracts compressed files for CPANPLUS. It can do this by either a pure perl solution (preferred) with the use of `Archive::Tar` and `Compress::Zlib`, or with binaries, like `gzip` and `tar`.

The flow looks like this:

```
$cb->_extract
  Delegate to Archive::Extract
```

## METHODS

**`$dir = _extract( module => $modobj, [perl => '/path/to/perl', extractdir => '/path/to/extract/to', prefer_bin => BOOL, verbose => BOOL, force => BOOL] )`**

`_extract` will take a module object and extract it to `extractdir` if provided, or the default location which is obtained from your config.

The file name is obtained by looking at `$modobj->status->fetch` and will be parsed to see if it's a tar or zip archive.

If it's a zip archive, `__unzip` will be called, otherwise `__untar` will be called. In the unlikely event the file is of neither format, an error will be thrown.

`_extract` takes the following options:

### module

A `CPANPLUS::Module` object. This is required.

### extractdir

The directory to extract the archive to. By default this looks something like:  
`/CPANPLUS_BASE/PERL_VERSION/BUILD/MODULE_NAME`

### prefer\_bin

A flag indicating whether you prefer a pure perl solution, ie `Archive::Tar` or `Archive::Zip` respectively, or a binary solution like `unzip` and `tar`.

### perl

The path to the perl executable to use for any perl calls. Also used to determine the build version directory for extraction.

### verbose

Specifies whether to be verbose or not. Defaults to your corresponding config entry.

### force

Specifies whether to force the extraction or not. Defaults to your corresponding config entry.

All other options are passed on verbatim to `__unzip` or `__untar`.

Returns the directory the file was extracted to on success and false on failure.