

## Re: problem using -f file operator

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*Source:* <http://coding.derkeiler.com/Archive/Perl/perl.beginners/2005-12/msg00831.html>

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  - *Date:* 27 Dec 2005 23:43:45 -0800
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Hi, sorry for the missing information it is my first post here, I'll try to be more thorough this time.

First, here is the script it is rather short:

```
#!/usr/local/bin/perl -w
#=====
use Carp;
use Cwd;
use File::Path;
use Getopt::Long;
use strict;
#=====

my @tools; # contain the tools for filtering execution
my $model; # contain the name of the model (e.g. 051226)
my $file; # full path to filter definition file.
my $debug = 1;

Getopt::Long::config('default');
GetOptions('tool=s' => \@tools,
'model=s' => \$model,
'file=s' => \$file,
'h|help' => \&usage);

usage() unless( defined $file && defined $model);

my $rmPath = $ENV{'PROJ_HOME'};
open (IN, $file) || confess "Error: can't open $file for reading.
$!\n";

if ( scalar @tools == 0 )
{
@tools = ('MODELS', `find $ENV{PROJ_HOME}/VERIF_TOOLS -maxdepth 1
-type d`);
splice(@tools,1,1);

foreach ( @tools )
{
```

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```
chomp;
}
}

while ( my $filter = <IN> )
{
chomp($filter);
next if ( $filter =~ m/^\.*\s#/ || $filter !~ m/\w/ ); # line is
remarked or empty

foreach ( @tools ) # e.g. MODELS VERIF_TOOLS/Envir
{
next if ( $filter =~ m/^MODEL/ && m/^VERIF_TOOLS/ );
next if ( $filter =~ m/^VERIF_TOOLS/ && m/^MODEL/ );

my $item = "$rmPath/$filter";
my $tool = $_;

# should be different path for MODELS or VERIF_TOOLS

$item =~ s%($tool)%$1/Model_$_model% if ( $tool eq 'MODELS' );

if ( $tool =~ m% VERIF_TOOLS/(\w+)% )
{
$tool = $1;
$item =~ s%($tool/)%$1${tool}_$_model%;
}

# carp "Filter: $item\n" if $debug;

if ( -f $item )
{
unlink($item) || carp "Warning: couldn't remove file:
'$item\n$!";
carp "Remove File: $item \n" if $debug;
}
elsif ( -d $item )
{
rmtree($item) || carp "Warning: couldn't remove dir:
'$item\n$!";
carp "Remove Dir: $item \n" if $debug;
}
elsif ( -e $item )
{
unlink($item) || carp "Warning: couldn't remove item:
'$item\n$!";
carp "Remove Item: $item \n" if $debug;
}
else
{
carp "Ignore Item: $item\n" if $debug;
}
```

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```
}  
}  
}
```

close (IN);

```
#=====
```

```
sub usage  
{  
print "\n$0 -tool <name> -model <name> -file <fullpath>  
  
-model: Set name for the tool for which the filters are applied.  
-tool : The directory to which the filters are relative.  
-file : Set the filter file.  
  
E.g.: pvcs_filter -tool MODELS -model 051227 -file  
~/PVCS/filters/filter.txt  
pvcs_filter -tool VERIF_TOOLS/Envir -model 051227 -file  
filter.txt  
\n";  
exit 0;  
}
```

Second, when the script is executed \$item contains a full path to existing file:

```
$item =  
'/project/galileo101/orion2v/VERIF_TOOLS/Random/Random_051226/Gunit/Eth_Stum.eu'
```

The content of \$item doesn't contain references to perl variables or unique characters '@' '\$' that may cause some string manipulation. only regular valid unix full path to a file.

In the case discussed above the problem relates to a regular ascii file.

Third, running the script remove files from the specified directory: '/project/galileo101/orion2v/VERIF\_TOOLS/Random/Random\_051226/Gunit' but not the: 'Eth\_Stum.eu' file. changing the files' name or the files' content (and leaving the same name) didn't help get it removed.

and last here is the files' contents:

```
##### CONFIG SELECTORS SECTION #####  
  
# $cfg->{'GMII_Ipg'} = new Selector('Random', '12-20');  
# $cfg->{'MII_Ipg'} = new Selector('Random', '24-40');  
  
##### CONFIG GEN SELECTORS SECTION #####
```

```
# $cfg_gen->{'ConfType'} = new Selector ('0:1' , 'Default','Random' );
```

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• *Follow-Ups:*

- ◆ [Re: problem using -f file operator](#)  
◇ From: HL

• *References:*

- ◆ [problem using -f file operator](#)  
◇ From: HL
- ◆ [Re: problem using -f file operator](#)  
◇ From: Paul Lalli

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