

# Suche im openSUSE Build Repository

Den begleitenden Text findest Du auf [Repository-Suche für openSUSE](#), hier nur der Versuch, das Script in Perl umzusetzen:

```
#!/usr/bin/perl -w

use strict;
use warnings;
use Net::FTP;

# set some variables
our $debug = 0;
my $ftpserver = 'ftp5.gwdg.de';
our $searchbase = 'pub/opensuse/repositories';
my $verzname = "ftp://$ftpserver/$searchbase";
# get date and time (used for logging) and print them
my @dots;
my ($sec, $min, $hour, $mday, $mon, $year, $wday, $yday, $isdst) =
localtime(time);
$year += 1900;
$mon++;
my $datstempel = sprintf("%04d%02d%02d", $year, $mon, $mday);
my $jetztzeit = sprintf("%02d:%02d:%02d", $hour, $min, $sec);
print "starting script on $datstempel at $jetztzeit.\n";
# where to put the data - logfiles with timestamp in their names
my $logfilename = ">>findrepo$datstempel\_jetztzeit.log";
our %allfiles = ('LOG' => $logfilename);
my @versionen = ('101', '102', '103', 'S09', 'S10');
for my $vers (@versionen) {
    $allfiles{"{$vers}apt"} =
">>aptrepo_$vers\_datstempel\_jetztzeit.list";
    $allfiles{"{$vers}home"} =
">>aptrepo_$vers\_datstempel\_jetztzeit\_home.list";
    $allfiles{"{$vers}smart"} = ">>smart_$vers\_datstempel\_jetztzeit.sh";
} # for $vers (@versionen)
mkdir 'zypprepos.d';
# the real start :-)
our $ftp = Net::FTP->new($ftpserver, Passive => 1)
    or die "Cannot access FTP server $ftpserver: $@";
print "Access to FTP server $ftpserver is possible\n" if ($debug & 2);
$ftp->login("anonymous", '-anonymous@')
    or die "Cannot login: ", $ftp->message;
print "anonymous login is possible :-)\n" if ($debug & 1);
scanldir($searchbase);
# post work - write out the time again so one can see how long it takes
($sec, $min, $hour, $mday, $mon, $year, $wday, $yday, $isdst) =
localtime(time);
$year += 1900;
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$mon++;
$datstempel = sprintf("%04d%02d%02d", $year, $mon, $mday);
$jetztzeit = sprintf("%02d:%02d:%02d", $hour, $min, $sec);
print "script ending on $datstempel at $jetztzeit.\n";

sub scanldir {
    our %allfiles;
    our $searchbase;
    our $ftp;
    our $debug;
    my ($thisdir) = @_ ;
    print "now working on $thisdir\n" if ($debug & 4);
    my $right6 = substr($thisdir, -6);
    my $right5 = substr($thisdir, -5);
    my $right4 = substr($thisdir, -4);
    my $right3 = substr($thisdir, -3);
    my $forget = length("$searchbase");
    my $shorter = substr($thisdir, $forget);
    my $legible = $shorter;
    my $itsfor = 'xxx';
    my $usehome = ($thisdir =~ /home:\\/);
    # $thisdir is s.th. like home:/dings/openSUSE_10.3 or
X11:/XGL/openSUSE_10.3
    # now snip from the last / onward:
    if (length($shorter)) {
        $legible =~ s|(.*)/(.+)|$1|;
        $legible =~ s/\\//g;
        $right4 = substr($thisdir, -4);
        $right3 = substr($thisdir, -3);
        $itsfor = '101' if ( ($right4 eq '10.1' ) or ($right3 eq '101' )
);
        $itsfor = '102' if ( ($right4 eq '10.2' ) or ($right3 eq '102' )
);
        $itsfor = '103' if ( ($right4 eq '10.3' ) or ($right3 eq '103' )
);
        $itsfor = 'S09' if ( ($right5 eq 'SLES9') or ($right6 eq 'SLES_9')
);
        $itsfor = 'S10' if ( ($right5 eq 'SLE10') or ($right6 eq 'SLES10')
or ($right6 eq 'SLE_10') );
    } # if (length($shorter))
    $ftp->cwd("/$thisdir")
        or die "Cannot change into working directory $thisdir: ",
$ftp->message;
    my @dircontent = $ftp->dir();
    my @unterverz = ();
    my $ftpelem;
    for $ftpelem (@dircontent) {
        my ($rechte, $num, $user, $group, $size, $mon, $day, $time, $name) =
split / +/, $ftpelem, 9;
        if (substr($rechte, 0, 1) eq 'd') {
            print "guessed directory: '$name' (itsfor=$itsfor,

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shorter=$shorter, legible=$legible)\n" if ($debug & 1);
    if (("${itsfor}" ne 'xxx') and ("${name}" eq 'repodata')) {
        my ($sec, $min, $hour, $mday, $mon, $year, $yday,
$isdst) = localtime(time);
        $year += 1900;
        $mon++;
        my $jetztzeit = sprintf("%02d:%02d:%02d", $hour, $min,
$sec);

        my $MYTOFILE = $allfiles{"LOG"};
        open THISHANDLE, $allfiles{"LOG"}
            or die "$jetztzeit: Cannot open logfile";
        print THISHANDLE "$jetztzeit: now writing $legible for
$thisdir\n";

        close THISHANDLE;
        open THISHANDLE, $allfiles{"${itsfor}smart"}
            or die "$jetztzeit: Cannot open smart output file for
$itsfor\n";

        print THISHANDLE "smart channel --add $legible ",
            "type=repomd name=$legible ",
"baseurl=http://software.opensuse.org/repositories$shorter\n";
        close THISHANDLE;
        if ($usehome) {
            open THISHANDLE, $allfiles{"${itsfor}home"}
                or die "$jetztzeit: Cannot open apt-home output
file for $itsfor\n";
            print THISHANDLE "repomd
http://software.opensuse.org/repositories $shorter\n";
            close THISHANDLE;
        } # if ($usehome)
        my $meld = "Cannot open apt output file »" .
    $allfiles{"${itsfor}apt"};
        open THISHANDLE, $allfiles{"${itsfor}apt"}
            or die "$jetztzeit: $meld « for $itsfor ($shorter)\n";
        print THISHANDLE "repomd
http://software.opensuse.org/repositories $shorter\n";
        close THISHANDLE;
        if ("${itsfor}" eq '103') {
            open ZYPPFILE, ">zypprepos.d/$legible"
                or die "Cannot create file
zypprepos.d/$legible: $!";
            print ZYPPFILE "[$legible]\n";
            print ZYPPFILE "name=$legible\n";
            print ZYPPFILE
"baseurl=http://software.opensuse.org/repositories$shorter\n";
            print ZYPPFILE "type=rpm-md\n";
            print ZYPPFILE "enabled=1\n";
            print ZYPPFILE "autorefresh=1\n";
            print ZYPPFILE "gpgcheck=1\n";
            close ZYPPFILE;
        } # if ("${itsfor}" eq '103')
    } # if (($itsfor ne 'xxx') and ("${name}" eq 'repodata'))
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        else {
            print ("adding $thisdir/$name to unterverz\n") if ($debug &
2);
            @unterverz = (@unterverz, "$thisdir/$name") if (" $name" ne
'lost+found');
        }
        } # if (substr($rechte, 0, 1) eq 'd')
    } # foreach $elem (@dircontent)
    if ((my $unterverz = @unterverz) > 0) {
        for my $untvz (@unterverz) {
            scanldir($untvz);
        } # for $untvz (@unterverz)
    } # if (($unterverz = @unterverz) > 0)
    1;
} # sub scanldir
```

Übrigens läuft das Script bei mir in genau einer Stunde durch:

```
starting script on 20080209 at 16:48:09.
script ending on 20080209 at 18:48:05.
```

From:

<http://www.wernerflamme.net/> - **Werners Wiki**

Permanent link:

<http://www.wernerflamme.net/doku.php?id=users:werner:getrepolist2>

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