

```

#!/usr/local/bin/sybperl5
# -T
# -w
# $Header: /usr/local/cvsroot/webley/agents/www/html2csv.pl,v 1.1
1999/11/02 00:24:52 zhukoff Exp $
# Agent to get info from the web.
# Parameters: service_name [service_parameters], i.e. stock msft
or weather 60645
# Configuration stored in files service_name.ini
# if this file is absent the configuration is received from
mcServices table
# This script provides autoupdate to datatable if the .ini file
is newer.

use URI::URL;
use LWP::UserAgent;
use HTTP::Request::Common;
use Vail::VarList;
use Sybase::CTlib;
use HTTP::Cookies;

my ( $action, @urls ) = @ARGV;

$debug2 = 0;
$IMAGES = 1;

my $service = shift;

#my @ini = &read_ini( $service );
my $section = "";
# get page content
#print $urls[ 0 ];
if ( $action eq "follow" ) {
#   print "test\n";
   ( $Content{ 'TIME' }, $content ) =
&get_url_content( $urls[ 0 ] );
   $path = $urls[ 0 ];
   $path =~ s/\\[^\]/*$$/\//;
}
elsif ( $action eq "read" ) {
   open( IN, $urls[ 0 ] );
   $content = join( "", ( <IN> ) );
   close IN;
}
#print $content;
$content =~ s/
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# delete comments and scripts
$content =~ s/<!.*?->//g;
$content =~ s/<[Ss][Cc][Rr][Ii][Pp][Tt].*?<\/[Ss][Cc][Rr][Ii][Pp]
[Tt]>//g;
# replace <br> and </head> <li> </ul> </h\d> tag with a period
$content =~ s/<[Bb][Rr]>\/\./g;
$content =~ s/<[lL][iI]>\/\./g;
$content =~ s/<\/[uU][lL]>\/\./g;
$content =~ s/<\/[hH]\d+>\/\./g;
$content =~ s/<\/[Hh][Ee][Aa][Dd]>\/\./g;
# replace &copy with Copyright
$content =~ s\/&copy/Copyright/g;
#print $content;

#$content =~ /<!--webley\s+([\^>])+\>([\^<])+\<!--webley-->/;
#$content =~ s/<[Aa]{1}\s+[Hh]{1}[Rr]{1}[Ee]{1}[Ff]{1}\s*=\s*["\`']?([\^\\s'\\">)]["\`']?[\^>]*[\^<]*<\/[Aa]{1}>\/<!--webley
name=\"link\" value=\"\1\" text=\"\2\"-->\2<!--webley-->/g;

$content =~ s/<[iI][mM][gG][\^>]*?\s+[aA][lL][tT]\s*=\s*["\`']?([\^\\s'\\">)]["\`']?.*?>\/\1\/g
    if $IMAGES;
#print $content;
# replace hrefs with webley links
$content =~ s/<[aA]\s+[hH][rR][eE][fF]\s*=\s*["\`']?[mM][aA][iI][lL][tT][oO]:([\^\\s'\\">)]["\`']?.*?>(.*?)<\/[aA]>\/\n<!--webley
name=\"email\" value=\"\1\" text=\"\2\"-->\2<!--webley-->\/n/g;
$content =~ s/<[aA]\s+[hH][rR][eE][fF]\s*=\s*["\`']?([\^\\s'\\">)]["\`']?.*?>(.*?)<\/[aA]>\/\n<!--webley name=\"link\"
value=\"$path\1\" text=\"\2\"-->\2<!--webley-->\/n/g;
$content =~ s/$path(http|ftp)\/\1/g;
#print $content;
$content =~ s/<[\^<>][\^<>]*>\/g;
$content =~ s\/s+\/ /g;
$content =~ s\/s+\/\.\./g;
$content =~ s\/\.{2,}\/\./g;
$content =~ s/>[\^<]*<!--webley-->/>/g;
$content =~ s/>[\.\s]+</>\n</g;
$content =~ s/>(.*?)</\n<!--webley name=\"text\" value=\"\" text=
\"1\"-->\n</g;
$content =~ s/([\^<]+)\/\n<!--webley name=\"text\" value=\"\" text=
\"1\"-->\/n/g;
$content =~ s/([\^>]+$)\/\n<!--webley name=\"text\" value=\"\" text=
\"1\"-->\/n/g;
    $content =~ s/<!--webley name=\/g;
    $content =~ s/ value=\/,\/g;
    $content =~ s\/\.( [A-Z]{1} )\/\.\ \1/g;
    $content =~ s/ text=\/,\/g;
    $content =~ s/-->?\/g;
    $content =~ s/.*,\"\"\"\"\/n\/g;
    $content =~ s/.*\"\".\"\"\"\"\/n\/g;
# $content =~ s/\"link\",\"mailto:\/\"email\",

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"/g;
print $content;
#do { $section = &process_section( $section ) } while $section;
exit;
#####
sub read_ini {
    my ( $service ) = @_;
    my @ini = ();
    # first, try to read file
    if ( open( INI, "$service.ini" ) ) {
        @ini = ( <INI> );
        return @ini unless ( $DB_SRV );
        # update datatable
        my $file_time = time - int( ( -M "$service.ini" ) * 24
* 3600 );
        my $dbh = new Sybase::CTlib $DB_USR, $DB_PWD, $DB_SRV;
        unless ( $dbh ) {
            print STDERR "webget.pl: Cannot connect to
dataserver $DB_SRV:$DB_USR:$DB_PWD\n";
            return @ini;
        }
        my @row_refs = $dbh->ct_sql( "select lastUpdate from
mcServices where service = '$service'", undef, 1 );
        if ( $dbh->{ RC } == CS_FAIL ) {
            print STDERR "webget.pl: DB select from
mcServices failed\n";
            return @ini;
        }
        unless ( defined @row_refs ) {
            # have to insert
            my ( @ini_escaped ) = map {
                ( my $x = $_ ) =~ s/\\/\\/\\/\\/g;
                $x;
            } @ini;
            $dbh->ct_sql( "insert mcServices
values( '$service', '@ini_escaped', $file_time )" );
            if ( $dbh->{ RC } == CS_FAIL ) {
                print STDERR "webget.pl: DB insert to
mcServices failed\n";
            }
            return @ini;
        }
        if ( $file_time > $row_refs[ 0 ]->{ 'lastUpdate' } ) {
            # have to update
            my ( @ini_escaped ) = map {
                ( my $x = $_ ) =~ s/\\/\\/\\/\\/g;
                $x;
            } @ini;
            $dbh->ct_sql( "update mcServices set config =
'@ini_escaped', lastUpdate = $file_time where service =
'$service'" );
            if ( $dbh->{ RC } == CS_FAIL ) {

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        print STDERR "webget.pl: DB update to
mcServices failed\n";
    }
}
return @ini;
}
# then try to read datatable
die "webget.pl: Unable to find service $service\n" unless
( $DB_SRV );
my $dbh = new Sybase::CTlib $DB_USR, $DB_PWD, $DB_SRV;
die "webget.pl: Cannot connect to dataserer $DB_SRV:
$DB_USR:$DB_PWD\n" unless ( $dbh );
my @row_refs = $dbh->ct_sql( "select config from mcServices
where service = '$service'", undef, 1 );
die "webget.pl: DB select from mcServices failed\n" if
$dbh->{ RC } == CS_FAIL;
die "webget.pl: Unable to find service $service\n" unless
( defined @row_refs );
$row_refs[ 0 ]->{ 'config' } =~ s/\n /\n\r/g;
@ini = split( /\r/, $row_refs[ 0 ]->{ 'config' } );
return @ini;
}
#####
sub process_section {
    my ( $prev_section ) = @_ ;
    my ( $section, $output, $content ) ;
    my %Param;
    my %Content;

    foreach ( @ini ) {
        chop;
        s/\s+$/;/;
        s/^\s+//;
        # get section name
        if ( /^\[([.]*)\]/ ) {
            last if $section;
            next if $1 eq "print";
            next if $prev_section ne "" and $prev_section ne
$1;

            if ( $prev_section eq $1 ) {
                $prev_section = "";
                next;
            }
            $section = $1;
        }
        # get parameters
        push( @{ $Param{ $1 } }, $2 ) if $section and
/([^\=]+)=(.*)/;
    }
    return 0 unless $section;
    print "section $section\n";
    # substitute parameters with values

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    map { $Param{ URL }->[ 0 ] =~ s/$Param{ Input }->[ $_ ]/
$ARGV[ $_ ]/g
    } 0 .. $# { $Param{ Input } };

    # get page content
    ( $Content{ 'TIME' }, $content ) =
&get_url_content( ${ $Param{ URL } }[ 0 ] );

    # filter it
    map {
        if ( /\"^([\^"]+)\\"([\^"]*)\"/ or /\\"([\^\/]+)\\"([\^
\\/*)\\// ) {
            my $out = $2; $content =~ s/$1/$out/g;
        }
    } @ { $Param{ "Pre-filter" } };

    # do main regular expression
    unless( @values = $content =~ /
${ $Param{ Regular_expression } }[ 0 ]/ ) {
        &die_hard( ${ $Param{ Regular_expression } }[ 0 ],
$content );
        return $section;
    }

    %Content = map { ( $Param{ Output }->[ $_ ], $values[ $_ ] )
} 0 .. $# { $Param{ Output } };

    # filter it
    map {
        if ( /\"([\^"]+)\\"([\^"]+)\\"([\^"]*)\"/
or /\"([\^\/]+)\\"([\^\/]+)\\"([\^\/]*)\"/ ) {
            my $out = $3;
            $Content{ $1 } =~ s/$2/$out/g;
        }
    } @ { $Param{ "Post-filter" } };

    # calculate it
    map {
        if ( /\"([\^=]+)=(.*)\"/ ) {
            my $eval = $2;
            map { $eval =~ s/$_/$Content{ $_ }/g
            } keys %Content;
            $Content{ $1 } = eval( $eval );
        }
    } @ { $Param{ Calculate } };

    # read section [print]
    foreach $i ( 0 .. $#ini ) {
        next unless $ini[ $i ] =~ /^\[print\]/;
        foreach ( $i + 1 .. $#ini ) {
            last if $ini[ $_ ] =~ /^\[.\+\]/;

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