About this script

The following is a modified version of the Perl Dial Plan Executor Script (controller.pl) found here Perl Dialplan Executor Example.

Script requirements

- mod_perl
- If you're going to use the Dumper line below, please make sure you have use Data::Dumper - available on most builds and on CPAN.

Example script

```
# This is an example Perl script to execute and manage your IVR
#
# by Kareem Hamdy 2009-01-22


use strict;
use Switch;
use Data::Dumper;
use POSIX qw(strftime);
our $session;




sub fprint($){
  my ($msg) = @_;
  freeswitch::consoleLog("CRIT",$msg . "\n");
}


sub speak {

    my ($text, $engine, $voice) =  @_;

    if (!$engine){
      $engine = 'flite';
    }

    if (!$voice){
      $voice = 'kal';
    }

    if (!$text){
      $text = '';
    }

    $session->set_tts_parms($engine, $voice);

    print "\n\n".Dumper(\@_)."\n\n";

    if ($session->ready ()) {
       $session->speak($text);
```

```
    }

    return 1;

 }


sub playfile {

  my ($string, $terminator, $digit_count) = @_;
  my $dtmf;

  if ($terminator){
    $session->execute("set", "playback_terminators=$terminator");
  }

  print "\n\n".Dumper(\@_)."\n\n";

  $session->flushDigits();

  unless (!$digit_count){
    if ($session->ready ()) {
      $dtmf = $session->playAndGetDigits(1,$digit_count,0,0,$terminator,$string,"","");
      print "\n\n\n$dtmf\n\n\n";
    }
  } else {
      if ($session->ready ()) {
        $session->execute("playback",$string);
      }
  }

  print "\n\n\n$dtmf\n\n\n";
  return 1;

 }




my %VARS;

{

####The idea of these functions is to allow for easy pull in of variables and then automatically
#
#

my %CLEAN_VARS;

#takes one or more variables names to import in

  sub GETV{
    my @arr = @_;
    foreach my $var (@arr){
      $VARS{$var} = $session->getVariable($var);
     $CLEAN_VARS{$var} = $VARS{$var};
     $CLEAN_VARS{$var}="" if (! defined $CLEAN_VARS{$var});
   }
 }


 sub SETV($$){ #Generally not called directly, but will set the variable to the value requested
```

```
   my ($var,$value) = @_;
   $session->setVariable($var,$value);
   $VARS{$var} = $value;
   $CLEAN_VARS{$var} = $value;
 }


 sub ADDV(@){

 #If we don't care about a variables value, but wan't to override it this will add it to the has
   my @arr = @_;
   foreach my $var(@arr){
     $CLEAN_VARS{$var}="123zzzzzZnzZZzz"; #something definately won't match
     $VARS{$var} = "";
   }
 }

  sub UPDATEV(){
  #Updates any changed variables
    foreach my $var (keys %VARS){
      die "Warning a variable of: $var was not found in CLEAN_VARS, did you forget to GET/ADD it


       #make sure tehre were no typos

       SETV($var, $VARS{$var}) if ($VARS{$var} ne $CLEAN_VARS{$var});
      }
    }
  }


sub CAN_ACCESS($){
        my ($req) = @_;
        return 1 if ($VARS{app_rights} eq "ALL" || $VARS{app_rights} =~ /#$req#/);
        return 0;
}


GETV(qw/ani ani2 dnis sip_user_agent destination_number caller_id_name caller_id_number effectiv

#fetch some generic variables

$VARS{hangup_after_bridge} = "true";





#    Example IVR Using a Case Statement (switch)


{
  if ($VARS{destination_number} =~ /^\d{4}$/){
    UPDATEV();
    if ($session->ready()) {
      $session->answer();
      $session->flushDigits();

      my $dtmf;
      my $counter;

      while (!$dtmf){
```

```
        speak("I'm ready to party.  Press 1, 2 or 3.  Press # to hang up.");

        $dtmf = $session->getDigits(1, "", 2000);

        switch ($dtmf) {

          case 1 {
            speak ("number 1");
            $session->flushDigits();
            $dtmf = undef;
          }

          case 2{
            speak ("number 2");
            speak ("press # to return to the menu.");
            playfile('/usr/local/freeswitch/sounds/music/8000/danza-espanola-op-37-h-142-xii-ara
            $session->flushDigits();
            $dtmf = undef;
          }

          case 3{
            speak ("number 3");
            $dtmf = undef;
          }

          case ['*',4..9,0] {
            speak("Follow the instructions you degenerate fool!");
          }

          case ['#'] {
            speak("You bastard!  Now exiting the sample I.V.R.");
          }

          else{
            $session->flushDigits();
            $dtmf = undef;
            $counter++;

            if ($counter eq 3){
              speak ("Please make a selection, or this call will be terminated.");
              $session->execute("sleep","1000");
            }

            if ($counter eq 4){
              $dtmf = '#';
            }
          }
        }
      }

      $session->hangup();
    }
  }
}


print ($session->execute("info",""));

return 1;

}
```