

# **1 Configure Apache with Perl Example**

## 1.1 Configure virtual hosts

With `mod_perl`, Perl code can be embedded directly in the Apache configuration file. Perl in `httpd.conf` is commonly used to dynamically configure Apache, but anything from URL translation to content generation can be accomplished directly in the configuration file within `<Perl>` sections.

This example reads configuration settings from a text file and configures Apache's virtual hosts.

The `httpd.conf` setup:

```
NameVirtualHost 192.168.0.1:80
<Perl>
  my $config = "/etc/apache/vhosts.txt";
  open HOSTS, $config or die "Failed to open $config: $!";

  while (<HOSTS>) {
    my %config;
    my @params = qw/ServerName DocumentRoot ErrorLog TransferLog ServerAdmin/;
    @config{ @params } = split /\t/;
    $config{ Directory }{ $config{DocumentRoot} } = { Allow => 'from all' };

    push @{ $VirtualHost{'192.168.0.1:80'} }, \%config;
  }
  close HOSTS;

</Perl>
```

See [The Guide](#) for other examples of configuring Apache with `mod_perl`.

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