

NethServer 6 - Feature #3363

Proxy pass support

03/02/2016 10:47 AM - Giacomo Sanchiotti

Status:	CLOSED	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:	nethserver-httpd	NEEDINFO:	No
Target version:	v6.7		
Resolution:			

Description

Add proxy pass functionality to permit access to internal sites from the outside world.

Example:

| I have a domain <http://mydomain.com> and I would like <http://mydomain.com/extra> to forward to the internal server.

In SME this is implemented using the db accounts, I'd rather prefer to move proxy pass configuration to a new db.

Reference: https://wiki.contribs.org/SME_Server:Documentation:ProxyPass

Content /etc/e-smith/templates/etc/httpd/conf/httpd.conf/35ProxyPass

```
{
  use esmith::AccountsDB;
  my $db = esmith::AccountsDB->open_ro;
  return "" unless $db;
  foreach my $path ($db->get_all_by_prop(type => 'ProxyPass'))
  {
    my $key = $path->key;
    my $target = $path->prop('Target');
    unless (defined $target)
    {
      warn("No Target property specified for ProxyPath $key." .
        " Skipping...");
      next;
    }
    my $desc = $path->prop('Description');
    if (defined $desc)
    {
      $OUT .= "# ProxyPass: $key\n";
      $OUT .= "# Description: $desc\n";
    }
    $OUT .= "ProxyPass\t/$key\t$target\n";
    $OUT .= "ProxyPassReverse\t/$key\t$target\n";
    $OUT .= "<Location /$key>\n";

    my $proxyHTTP = $path->prop('HTTP') || "yes";
    my $proxyHTTPS = $path->prop('HTTPS') || "yes";

    if ( $proxyHTTP eq "no" )
```

```
{
  $OUT .= "  SSLRequireSSL\n";
}

if ( $proxyHTTPS eq "no" )
{
  $OUT .= '  SSLRequire (%{HTTPS} eq "NULL") . "\n";
}

my $valid = $path->prop('ValidFrom');
if (defined $valid)
{
  # Convert from comma separated list to space separated
  $valid =~ s/,/ /g;
  # Make sure that /32 ValidFrom specs don't cause Apache problems.
  $valid =~ s:/255.255.255.255::g;
  $OUT .= "  order deny,allow\n";
  $OUT .= "  deny from all\n";
  $OUT .= "  allow from $valid\n";
}
$OUT .= "</Location>\n";
}
}
```

Associated revisions

Revision a3d58c3b - 03/02/2016 10:44 AM - Davide Principi

Create proxypass DB. Added migrate from ns8 action.

Revision 94341570 - 03/02/2016 10:51 AM - Davide Principi

proxypass.conf template

Imported from SME 8

Revision 0ca05b9f - 03/04/2016 04:06 AM - Giacomo Sanchietti

ProxyPass: add SSLProxyEngine option. Refs #3363

Revision db7603ee - 03/04/2016 04:55 AM - Giacomo Sanchietti

ProxyPass: add SSLProxyEngine option. Refs #3363

History

#1 - 03/02/2016 10:48 AM - Giacomo Sanchietti

- Status changed from NEW to TRIAGED

- Target version set to v6.7
- % Done changed from 0 to 20

#2 - 03/02/2016 10:48 AM - Giacomo Sanchiotti

- Status changed from TRIAGED to ON_DEV
- Assignee set to Davide Principi
- % Done changed from 20 to 30

#3 - 03/02/2016 10:58 AM - Davide Principi

- Status changed from ON_DEV to MODIFIED
- Assignee deleted (Davide Principi)
- % Done changed from 30 to 60

Test case 1

- migrate a SME Server / NethService 8
- proxy pass must be migrated into proxypass db

Test case 2

- create a proxypass record and signal-event. For instance
db proxypass set pp ProxyPass Description test HTTP yes HTTPS yes Target http://192.168.122.1/proxypasstest
signal-event nethserver-httpd-update

#4 - 03/02/2016 11:01 AM - Davide Principi

- Status changed from MODIFIED to ON_QA
- % Done changed from 60 to 70

In nethserver-testing:

nethserver-httpd-2.5.2-1.2.g9434157.ns6.noarch.rpm

#5 - 03/03/2016 11:57 AM - Giacomo Sanchiotti

- Assignee set to Giacomo Sanchiotti

#6 - 03/04/2016 04:35 AM - Giacomo Sanchiotti

- Status changed from ON_QA to VERIFIED
- Assignee deleted (Giacomo Sanchiotti)
- % Done changed from 70 to 90

Test case 1

- The proxy pass record has been imported and the configuration applied

Test case 2

Tested all the following scenarios:

exchange=ProxyPass
Description=exchange

```
HTTP=yes
HTTPS=yes
Target=http://192.168.5.246/exchange
pp=ProxyPass
Description=test
HTTP=yes
HTTPS=yes
Target=https://nethservice.nethesis.it/webmail
pp2=ProxyPass
Description=test
HTTP=yes
HTTPS=no
Target=http://nethsecurity.nethesis.it/
pp3=ProxyPass
Description=test
HTTP=no
HTTPS=yes
Target=http://nethsecurity.nethesis.it/
pp4=ProxyPass
Description=test
HTTP=no
HTTPS=yes
Target=https://nethsecurity.nethesis.it/
```

Please note that if you're forwarding to a server with https, the server must have a valid certificate.

#7 - 03/04/2016 05:00 AM - Giacomo Sanchietti

- Status changed from *VERIFIED* to *CLOSED*

- % Done changed from 90 to 100

Released in 6.7 updates:

- nethserver-httpd-2.5.3-1.ns6.noarch.rpm

Released in 7 updates:

- nethserver-httpd-2.5.3-1.16.gb2b7698.ns7.noarch.rpm

#8 - 03/04/2016 06:17 AM - Giacomo Sanchietti

Documentation: http://docs.nethserver.org/en/latest/proxy_pass.html