

## Support dynamic reconfiguration for cache\_peer forwarding

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1 parent 79ab94a

commit 0a7305d1b64b08b94488b5e3ff6298a788f87780

Showing 1 changed file with 47 additions and 48 deletions.

Unified Split

95 dynamic\_reconfiguration.php

```

113         }
114     }
115
116     -         $acls = array();
117     -         $firewallRules = $this-
118     >_configureFirewallRules(true);
119     -         $redundantForwardingProcesses =
120     array_diff_key($this->processes['http'], array(true));
121     -         $redundantForwardingProcessChunks
122     = array_chunk($redundantForwardingProcesses,
123     round(count($redundantForwardingProcesses) / 2), false);
124
125     -         foreach
126     ($redundantForwardingProcessChunks as
127     $redundantForwardingProcessChunk) {
128
129         $forwardingAcls = $this-
130     >gatewaysData['data']['http']['acls'];
131
132         $this->forwardingPortIndex
133     = $this->staticPortIndex = 0;
134
135         $forwardingPorts =
136     array();
137
138     -         foreach
139     ($redundantForwardingProcessChunk as
140     $redundantForwardingProcessPorts) {
141
142     -         foreach
143     ($redundantForwardingProcessPorts as
144     $redundantForwardingProcessPort) {
145
146         $forwardingPorts[] = $redundantForwardingProcessPort;
147
148     -         }
149     -     }
150
151     -         return
152
153     $forwardingPort;
154
155     -         }
156     -     }, $forwardingAcls);
157     -     $acls[] = $forwardingAcls;

```

```

113         }
114     }
115
116     +         $configurations = array();
117     +         $firewallRules = $this-
118     >_configureFirewallRules(true);
119     +         $processes = $this-
120     >processes['http'];
121     +         $forwardingProcessChunks =
122     array_chunk($processes, round(count($processes) / 2),
123     false);
124
125     +         foreach ($forwardingProcessChunks
126     as $forwardingProcessChunkKey => $forwardingProcessChunk)
127     {
128
129         $forwardingAcls = $this-
130     >gatewaysData['data']['http']['acls'];
131
132         $this->forwardingPortIndex
133     = $this->staticPortIndex = 0;
134
135         $forwardingPorts =
136     array();
137
138     +         foreach
139     ($forwardingProcessChunk as $forwardingProcessPorts) {
140
141     +         foreach
142     ($forwardingProcessPorts as $forwardingProcessPort) {
143
144         $forwardingPorts[] = $forwardingProcessPort;
145
146     +         }
147     +     }
148
149     +         return
150
151     $forwardingPort;
152
153     +         }
154     +     }, $forwardingAcls);
155     +         $aclFilepath =
156     '/etc/squid3/acls' . $forwardingProcessChunkKey . '.conf';
157     +         $configurations[] =
158     str_replace('[acl_filepath]', $aclFilepath, $this-
159     >gatewaysData['data']['http']['configuration']);
160     +         shell_exec('rm ' .
161     $aclFilepath);
162     +         shell_exec('touch ' .
163     $aclFilepath);
164     +         file_put_contents($aclFilepath, $forwardingAcls);

```

```

161         }
162
163     -         // ..
164     -         shell_exec('rm
/etc/squid3/proxy_ip_acl.conf');
165     -         shell_exec('touch
/etc/squid3/proxy_ip_acl.conf');
166     -
file_put_contents('/etc/squid3/proxy_ip_acl.conf', $this-
>gatewaysData['data']['http']['acls']);
167         shell_exec('htpasswd -cb
/etc/squid3/passwords default default');
168         shell_exec('htpasswd -D
/etc/squid3/passwords default');
169
199         0,
200         75,
201         '/etc/squid3/squid.conf',
202     -         str_replace('[pid]',
'pid_filename /var/run/squid3.pid', str_replace('[ports]',
'http_port ' . implode("\n" . 'http_port ', $this-
>processes['http'][0]), $this->gatewaysData['data']
['http']['configuration']))
203         );
204     -         $redundantProcesses = $this-
>processes['http'];
205     -         unset($redundantProcesses[0]);
206
-         $redundantProcessChunks =
array_chunk($redundantProcesses,
round(count($redundantProcesses) / 2), true);
207     -
208     -         foreach ($redundantProcessChunks
as $redundantProcessChunk) {
209     -             $activeRedundantProcesses
= array_keys($redundantProcesses);
210     -             reset($redundantProcessChunk);
211     -             $redundantProcessStart =
key($redundantProcessChunk);
212     -             end($redundantProcessChunk);
213     -             $redundantProcessEnd =
key($redundantProcessChunk);
214     -             $redundantProcessRange =
range($redundantProcessStart, $redundantProcessEnd);
215     -
216     -             foreach
($redundantProcessRange as $redundantProcess) {
217     -                 unset($activeRedundantProcesses[$redundantProcess - 1]);
218     -             }
219
220     -             $activeRedundantPorts =
array();
221
222     -             foreach
($redundantProcesses as $key => $redundantProcess) {
223     -                 if (in_array($key,
$activeRedundantProcesses)) {

```

```

165         }
166
167         shell_exec('htpasswd -cb
/etc/squid3/passwords default default');
168         shell_exec('htpasswd -D
/etc/squid3/passwords default');
169
199         0,
200         75,
201         '/etc/squid3/squid.conf',
202     +         str_replace('[pid]',
'pid_filename /var/run/squid3.pid', str_replace('[ports]',
'http_port ' . implode("\n" . 'http_port ', $this-
>processes['http'][0]), $configurations[0]))
203         );
204     +         unset($processes[0]);
205
+         $processChunks =
array_chunk($processes, round(count($processes) / 2),
true);
206     +
207     +         foreach ($processChunks as
$processChunkKey => $processChunk) {
208     +             $activeProcesses =
array_keys($processes);
209     +             reset($processChunk);
210     +             $processStart =
key($processChunk);
211     +             end($processChunk);
212     +             $processEnd =
key($processChunk);
213     +             $processRange =
range($processStart, $processEnd);
214     +
215     +             foreach ($processRange as
$process) {
216     +                 unset($activeProcesses[$process - 1]);
217     +             }
218
219     +             $activePorts = array();
220
221     +             foreach ($processes as
$processKey => $process) {
222     +                 if
(in_array($processKey, $activeProcesses)) {

```

```

224 -
    $activeRedundantPorts = array_merge($activeRedundantPorts,
    $redundantProcesses[$key]);
225
226     }
227
230         '80',
231         '8888',
232         '55555'
233     -
    )),
    $activeRedundantPorts),
234
    'socks' => array(
235         array(
236
237         '1090'
241
                $firewallRules = $this-
242 >_configureFirewallRules(false, $overridePorts);
243
                $this-
244 >_applyFirewallRules($firewallRules, 'elastic');
245
246 -
                foreach
247 ($redundantProcessRange as $redundantProcess) {
248
                $this-
249 >_reconfigure(
250
                'http',
251
                'squid3-
252 redundant' . $redundantProcess . ' start -f
253 /etc/squid3/squid-redundant' . $redundantProcess .
254 '.conf',
255
                'squid3-
256 redundant' . $redundantProcess,
257
258 '/var/run/squid-redundant' . $redundantProcess . '.pid',
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223 +
    $activePorts = array_merge($activePorts,
    $processes[$processKey]);
224
225     }
226
229         '80',
230         '8888',
231         '55555'
232 +
    )), $activePorts),
233
    'socks' => array(
234         array(
235
236         '1090'
240
                $firewallRules = $this-
241 >_configureFirewallRules(false, $overridePorts);
242
                $this-
243 >_applyFirewallRules($firewallRules, 'elastic');
244
245 +
                foreach ($processRange as
246 $process) {
247
                $this-
248 >_reconfigure(
249
                'http',
250
                'squid3-
251 redundant' . $process . ' start -f /etc/squid3/squid-
252 redundant' . $process . '.conf',
253
                'squid3-
254 redundant' . $process,
255
256 '/var/run/squid-redundant' . $process . '.pid',
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443 -         foreach ($dnsIps as $key =>
444     $dnsIp) {
445             $loadBalancer = '';
446 -         if ($key > 1) {
447 -             $loadBalancer = '-
m statistic --mode nth --every ' . $key . ' --packet 0 ';
448         }
449
450         $rules[] = '-A OUTPUT -d
127.0.0.1/32 -p udp -m udp --dport 53 ' . $loadBalancer .
'-j DNAT --to-destination ' . $dnsIp;
476
477         $ports =
array_unique($basePorts);
478
479 -         foreach ($ports as
$key => $port) {
480             if ($this-
>_checkPort(key($this->gatewaysData['data']['proxy_ips']),
$port, $protocol) === false) {
481 -             unset($ports[$key]);
482             }
483         }
484
492         foreach
($dportsSplit as $chunk => $dports) {
493             $dports = implode(',', $dports);
494
495 -         foreach ($ports as $key => $port) {
496             $loadBalancer = '';
497
498 -         if ($key > 0) {
499 -             $loadBalancer = '-m statistic --mode nth --every ' . ($key
+ 1) . ' --packet 0 ';
500         }
501
502         $rules[] = '-A PREROUTING -p tcp -m multiport --dports ' .
$dports . ' ' . $loadBalancer . '-j DNAT --to-destination
:' . $port . ' --persistent';

```

```

442 +         foreach ($dnsIps as $dnsIpKey =>
443     $dnsIp) {
444             $loadBalancer = '';
445 +         if ($dnsIpKey > 1) {
446 +             $loadBalancer = '-
m statistic --mode nth --every ' . $dnsIpKey . ' --packet
0 ';
447         }
448
449         $rules[] = '-A OUTPUT -d
127.0.0.1/32 -p udp -m udp --dport 53 ' . $loadBalancer .
'-j DNAT --to-destination ' . $dnsIp;
475
476         $ports =
array_unique($basePorts);
477
478 +         foreach ($ports as
$portKey => $port) {
479             if ($this-
>_checkPort(key($this->gatewaysData['data']['proxy_ips']),
$port, $protocol) === false) {
480 +             unset($ports[$portKey]);
481             }
482         }
483
491         foreach
($dportsSplit as $chunk => $dports) {
492             $dports = implode(',', $dports);
493
494 +         foreach ($ports as $portKey => $port) {
495             $loadBalancer = '';
496
497 +         if ($portKey > 0) {
498 +             $loadBalancer = '-m statistic --mode nth --every ' .
($portKey + 1) . ' --packet 0 ';
499         }
500
501         $rules[] = '-A PREROUTING -p tcp -m multiport --dports ' .
$dports . ' ' . $loadBalancer . '-j DNAT --to-destination
:' . $port . ' --persistent';

```

0 comments on commit 0a7305d