🖳 parsonsbots / **dynamic-proxy-node-reconfiguration**

DNS process load balancing   **Browse files**

🜚 master

👤 **parsonsbots** committed on Apr 20   1 parent **4b2c328**   commit 233fd73094265ccc85af460b0bc837a97f7f4676

⊞ Showing **1 changed file** with **25 additions** and **2 deletions**.   Unified | Split

∨ 27 ■■■■▫ dynamic_reconfiguration.php 📋

360	`                    }`	360		`                    }`
361	`                }`	361		`                }`
362		362		
		363	+	`                // Allow specific DNS IPs for internal round-robin DNS`
		364	+	`                if (`
		365	+	`                        !empty($this->gatewaysData['data']['dns_ips']) &&`
		366	+	`                        is_array($this->gatewaysData['data']['dns_ips'])`
		367	+	`                ) {`
		368	+	`                        $rules[] = '-A OUTPUT -d ' . implode(',', $this->gatewaysData['data']['dns_ips']) .' -p udp -m udp -j ACCEPT';`
		369	+	`                }`
		370	+	
363	`                // Prevent spoof attacks when using DNS on localhost`	371		`                // Prevent spoof attacks when using DNS on localhost`
364	`-                $rules[] = '-A OUTPUT -d 127.0.0.0/24 -p udp -m udp -j ACCEPT';`			
365	`                $rules[] = '-A OUTPUT -s 127.0.0.0/24 -p udp -j DROP';`	372		`                $rules[] = '-A OUTPUT -s 127.0.0.0/24 -p udp -j DROP';`
366		373		
367	`                // End input filter rules`	374		`                // End input filter rules`
368	`                $rules[] = 'COMMIT';`	375		`                $rules[] = 'COMMIT';`
369		376		
370	`-                // Prepare default rules for DNAT translation`	377	+	`                // Prepare default rules for NAT`
371	`                $rules[] = '*nat';`	378		`                $rules[] = '*nat';`
372	`                $rules[] = ':PREROUTING ACCEPT [0:0]';`	379		`                $rules[] = ':PREROUTING ACCEPT [0:0]';`
373	`                $rules[] = ':INPUT ACCEPT [0:0]';`	380		`                $rules[] = ':INPUT ACCEPT [0:0]';`
374	`                $rules[] = ':OUTPUT ACCEPT [0:0]';`	381		`                $rules[] = ':OUTPUT ACCEPT [0:0]';`
375	`                $rules[] = ':POSTROUTING ACCEPT [0:0]';`	382		`                $rules[] = ':POSTROUTING ACCEPT [0:0]';`
376		383		
		384	+	`                // Remove 127.0.0.1 from array of DNS IPs and sort keys for load balancing`
		385	+	`                unset($this->gatewaysData['data']['dns_ips'][0]);`
		386	+	`                $dnsIps = array_values($this->gatewaysData['data']['dns_ips']);`
		387	+	`                krsort($dnsIps);`
		388	+	
		389	+	`                // Load balance DNS`
		390	+	`                foreach ($dnsIps as $key => $dnsIp) {`
		391	+	`                        $loadBalancer = '';`
		392	+	
		393	+	`                        if ($key > 0) {`
		394	+	`                                $loadBalancer = '-m`

```
                                                   statistic --mode nth --every ' . ($key + 1) . ' --packet 0
                                                   ';
                                          395  +                    }
                                          396  +
                                          397  +              $rules[] = '-A OUTPUT -d
                                                   127.0.0.1/32 -p udp -m udp --dport 53 ' . $loadBalancer .
                                                   '-j DNAT --to-destination ' . $dnsIp;
                                          398  +            }
                                          399  +
377            // Begin DNAT load balancing for each    400       // Begin DNAT load balancing for each
       process                                       process
378            $basePorts = array();           401            $basePorts = array();
379                                            402
```

0 comments on commit `233fd73`