



Create README.md

[Browse files](#) master  1.0.0 parsonsbots committed on Mar 261 parent [5afea06](#)commit [2e94435bd7326f6854fa2c650b728110cd7a4d20](#) Showing 1 changed file with 90 additions and 0 deletions.

Unified

Split

▼ 90 ■■■■■ README.md 

... @@ -0,0 +1,90 @@

```
1 + # Dynamic Proxy Node Reconfiguration
2 + * Version 1.0.0
3 + * Author: Will Parsons
4 + * Website: https://parsonsbots.com
5 +
6 + # Repository
7 + * GIT: git@github.com:parsonsbots/dynamic-proxy-node-
  reconfiguration.git
8 +
9 + # Required:
10 + [Coming soon]
11 +
12 + # Changelog:
13 + * 1.0.0: Initial release
14 +
15 + # About
16 +
17 + ### What is Dynamic Proxy Node Reconfiguration?
18 + Reconfigure and manage redundant proxy processes in Squid
  (HTTP) and 3proxy (SOCKS 5) with:
19 +
20 + - No connection interruptions at scale when sending
  reconfiguration signals to proxy processes
21 + - Dynamic authentication and whitelisting with an
  unlimited number of unique ACLs for individual nodes
22 + - Load balancing from a single listening port and single
  server using internal redundant process grid computing
  (with unicast)
23 +
24 + This PHP library enables high throughput and decreases
  network congestion for proxy servers and internet nodes:
25 +
26 + - Without installing custom TCP congestion control
  algorithms
27 + - Without opening port hijacking vulnerabilities with
  SO_REUSEPORT, shared IPs, etc
28 + - Without using excessive resources and large anycast
  server clusters
29 + - Without integrating external proxy authentication
  methods (once API data is retrieved)
30 +
31 + [Full explanation coming soon]
32 +
33 + For an example of an existing implementation, please
  visit the GhostProxies at https://ghostproxies.com
34 +
35 + # Installation
```

```

36 + [Installation instructions coming soon]
37 +
38 + # Configuration
39 + [Configuration instructions coming soon]
40 +
41 + # Usage
42 + [Full usage instructions coming soon]
43 +
44 +     require_once('dynamic_reconfiguration.php');
45 +
46 +     $api = 'http://example.com/api.json';
47 +     $processes = array(
48 +         'http' => array(
49 +             array('80', '8888'), // Main
             process ports
50 +             array('8889', '8890'), // Redundant
             process ports 1
51 +             array('8891', '8892'), // Redundant
             process ports 2
52 +             // etc
53 +         ),
54 +         'socks' => array(
55 +             array('1080'), // Main process
             ports
56 +             array('1088'), // Redundant process
             ports 1
57 +             // etc
58 +         )
59 +     );
60 +     $sshPorts = array('22');
61 +     $shell = '/bin/bash';
62 +
63 +     // Initiate dynamic proxy reconfiguration
64 +     $dynamicProxyReconfiguration = new
        DynamicProxyReconfiguration($api, $processes, $sshPorts,
        $shell);
65 +
66 +     // Reconfigure all proxy processes
67 +     $dynamicProxyReconfiguration-
        >start('apply_reconfiguration');
68 +
69 +     // Refresh firewall
70 +     $dynamicProxyReconfiguration-
        >start('apply_firewall');
71 +
72 +
73 + # Coming Soon
74 + * 1.0.1
75 +     - Full requirements with installation,
        configuration and usage instructions are coming soon
76 +     - API gateway example for ACL formatting
77 +
78 + * 1.0.2
79 +     - Apply proxy redundancy configuration from API to
        all redundant processes
80 +     - Move squid configuration and ACLs to same file
        for consistency
81 +     - Chunk and reconfigure HTTP and SOCKS processes
        simultaneously
82 +
83 + * 1.0.3
84 +     - Start additional redundancy processes when CPU
        exceeds x%, provide option to terminate redundant

```

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```
85 + processes if average CPU usage is below x%
86 + * 1.0.4
87 + - Add support for additional HTTP and SOCKS proxy
    servers (varnish, dante, etc)
88 +
89 + # More From ParsonsBots
90 + https://github.com/parsonsbots
```

0 comments on commit 2e94435