

# 如何使用 WCCP 配置 Cache Engine 以使用反向代理缓存

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## 简介

通过使用WEB缓存通信协议(WCCP)，本文描述如何配置Reverse-Proxy Caching的Cisco缓存引擎。

## 硬件和软件版本

此配置使用下面软件和硬件版本开发并且被测试。

- 在实验室环境的Cisco Cache Engine 560清除配置运行思科高速缓存软件版本2.3和ACNS版本4.0的和ACNS 5.0。
- 运行Cisco IOS软件版本12.1(2)的Cisco 2600路由器。

使用在实验室环境的设备本文提供的信息创建。设备开始与原始。如果在真实网络工作，请确保您了解命令的潜在影响使用它以前。

## 网络图

## 配置

### Cache Engine 560

(缓存软件软件版本2.3或ACNS软件版本4.0或5.0)

```
Current configuration:
!
!
user add admin uid 0
password 1 "eeSdy9dcy"
capability admin-access
```

```
!  
!  
!  
hostname ce  
!  
interface ethernet 0  
  ip address 10.0.0.2 255.255.255.0  
!--- Important: If you configure the Cache Engine  
!--- with a private address, it must get translated  
!--- to a public address.  
ip broadcast-address 10.0.0.255 exit ! interface ethernet 1 exit ! ip default-gateway 10.0.0.1  
ip name-server 171.70.168.183 ip domain-name cisco.com ip route 0.0.0.0 0.0.0.0 10.0.0.1 cron  
file /local/etc/crontab ! wccp router-list 1 10.0.0.1 wccp reverse-proxy router-list-num 1 wccp  
version 2 ! authentication login local enable authentication configuration local enable rule no-  
cache url-regex .*cgi-bin.* rule no-cache url-regex .*aw-cgi.* ! !
```

## Cisco 2600 路由器

### (Cisco IOS软件版本12.1[2])

Building configuration...

Current configuration:

```
!  
version 12.1  
service timestamps debug uptime  
service timestamps log uptime  
no service password-encryption  
!  
hostname 2611-5  
!  
enable secret 5 $1$9VQ.$BTPbq8xlE2dsKwKPDDmpL/  
!  
!  
ip subnet-zero  
ip wccp 99  
!  
!  
interface Ethernet0/0  
  description Interface to the Internet  
  ip address 172.17.63.194 255.255.255.192  
  no ip redirects  
!  
interface Serial0/0  
  no ip address  
  no ip mroute-cache  
  shutdown  
!  
interface Ethernet0/1  
  ip address 10.0.0.1 255.255.255.0  
!  
interface Ethernet1/0  
  ip address 10.1.0.1 255.255.255.0  
  ip wccp 99 redirect out  
!  
interface Ethernet1/1  
  no ip address  
  shutdown  
  full-duplex  
!  
interface Ethernet1/2  
  no ip address  
  shutdown
```



```
router#sh ip wccp 99 Global WCCP information: Router information: Router Identifier:
172.17.63.194 Protocol Version: 2.0 Service Identifier: 99 Number of Cache Engines: 1 Number of
routers: 1 Total Packets Redirected: 93 !--- The router is redirecting. Redirect access-list: -
none- Total Packets Denied Redirect: 0 Total Packets Unassigned: 0 Group access-list: -none-
Total Messages Denied to Group: 0 Total Authentication failures: 0
```

发出此命令检查在缓存/内容引擎的HTTP统计信息：

```
cache#sh statistic http request Statistics - Requests Total % of Requests -----
----- Total Received Requests: 23 - Forced Reloads: 2 8.7 Client Errors:
0 0.0 Server Errors: 0 0.0 URL Blocked (Reset): 0 0.0 URL Blocked: 0 0.0 Sent to Outgoing Proxy:
0 0.0 Failures from Outgoing Proxy: 0 0.0 Excluded from Outgoing Proxy: 0 0.0 ICP Client Hits: 0
0.0 ICP Server Hits: 0 0.0 If-Range Hits: 0 0.0 HTTP 0.9 Requests: 0 0.0 HTTP 1.0 Requests: 0
0.0 HTTP 1.1 Requests: 23 100.0 HTTP Unknown Requests: 0 0.0 Non HTTP Requests: 0 0.0 Non HTTP
Responses: 0 0.0 Chunked HTTP Responses: 0 0.0 Http Miss Due To DNS: 0 0.0 Http Deletes Due To
DNS: 0 0.0 Objects cached for min ttl: 4 17.4
```

发出此命令验证请求高速缓冲存储：

```
cache#sh stat http sav Statistics - Savings Requests Bytes -----
----- Total: 23 16481 Hits: 6 2205 Miss: 17 14276 Savings: 25.0 % 13.4 %
```

## 命令汇总

这些Cache Engine命令用于此配置。

- WCCP版本{1|2}
- wccp router-list number ip-address
- WCCP router-list-num编号

这些路由器命令用于此配置。

- ip WCCP {web-cache|服务编号}
- ip WCCP {web-cache|服务编号}重定向
- ip WCCP版本2

## 相关信息

- [WCCP增强](#)
- [Cisco应用和内容联网软件\(ACNS\)支持](#)
- [技术支持和文档 - Cisco Systems](#)