



Quick answers to common problems

# Magento 2 Cookbook

50 practical recipes that will help you realize the full potential of Magento to build a professional online store

Ray Bogman  
Vladimir Kerkhoff

**[PACKT]** open source\*  
PUBLISHING community experience. distilled

# **SSL Offloading with Varnish & Magento 2**

# Creative Contributions by:

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- Trainer
- Performance nerd
- Security geek
- SEO freak



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# Google Webmaster Central Blog

Official news on crawling and indexing sites for the Google index




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## Indexing HTTPS pages by default

Thursday, December 17, 2015

At Google, user security has always been a top priority. Over the years, we've worked hard to promote a more secure web and to provide a better browsing experience for users. [Gmail](#), [Google search](#), and YouTube have had secure connections for some time, and we also started giving a slight [ranking boost to HTTPS URLs](#) in search results last year. Browsing the web should be a private experience between the user and the website, and must not be subject to [eavesdropping](#), [man-in-the-middle attacks](#), or data modification. This is why we've been strongly promoting [HTTPS everywhere](#).

# Droplets

Img	Name
	<b>m2.jira.nl</b> 2 GB Memory / 30 GB Disk / AMS2
	<b>varnish.jira.nl</b> 512 MB Memory / 20 GB Disk / AMS2
	<b>haproxy.jira.nl</b> 512 MB Memory / 20 GB Disk / AMS2

```
frontend http-in
  bind 82.196.4.34:80
  bind 82.196.4.34:443 ssl crt /etc/ssl/private/jira.nl.pem
  mode http
  option httpclose
  option http-server-close
  option forwardfor
  default_backend servers
```

```
backend servers
  reqadd X-Forwarded-Proto:\ https
  mode http
  balance leastconn
  cookie SERVERID insert indirect nocache
  redirect scheme https if ![ ssl_fc ]
  server server1 82.196.4.104:6083 check send-proxy-v2
  #server s1 82.196.5.10:80 check cookie s1 weight 1 maxqueue 25 rise 2 fall 1 maxconn 250
```

```
frontend http-in-proxy
  bind *:81
  default_backend servers-proxy
```

```
backend servers-proxy
  server server1-proxy 82.196.4.104:6083 send-proxy-v2
```

61,1

Bot

```
# edit that file.

# Should we start varnishd at boot? Set to "no" to disable.
START=yes

# Maximum number of open files (for ulimit -n)
NFILES=131072

# Maximum locked memory size (for ulimit -l)
# Used for locking the shared memory log in memory. If you increase log size,
# you need to increase this number as well
MEMLOCK=82000

DAEMON_OPTS="-a :6081 \
             -a :6083,PROXY \
             -T localhost:6082 \
             -f /etc/varnish/default.vcl \
             -S /etc/varnish/secret \
             -s malloc,256m"
```

```
root@varnish:~# varnishd -V  
varnishd (varnish-4.1.1 revision 66bb824)  
Copyright (c) 2006 Verdens Gang AS  
Copyright (c) 2006-2015 Varnish Software AS
```

```

vcl 4.0;

backend default {
    .host = "82.196.5.10";
    .port = "80";
}

acl purge {
    "localhost";
}

sub vcl_recv {
    set req.http.x-clientip = client.ip;
    set req.http.x-serverip = server.ip;
    set req.http.x-localip = local.ip;
    set req.http.x-remoteip = remote.ip;
    return(pass);

    if (req.method == "PURGE") {
        if (client.ip !~ purge) {
            return (synth(405, "Method not allowed"));
        }
        if (!req.http.X-Magento-Tags-Pattern) {
            return (synth(400, "X-Magento-Tags-Pattern header required"));
        }
        ban("obj.http.X-Magento-Tags ~ " + req.http.X-Magento-Tags-Pattern);
        return (synth(200, "Purged"));
    }

    if (req.method != "GET" &&
        req.method != "HEAD" &&
        req.method != "PUT" &&
        req.method != "POST" &&
        req.method != "TRACE" &&
        req.method != "OPTIONS" &&
        req.method != "DELETE") {
        /* Non-RFC2616 or CONNECT which is weird. */
        return (pipe);
    }

    # We only deal with GET and HEAD by default
    if (req.method != "GET" && req.method != "HEAD") {
        return (pass);
    }
}

```

```
<VirtualHost *:80>
    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/html/magento

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    <Directory /var/www/html/magento>
        AllowOverride All
        Require all granted
    </Directory>

    SetEnv MAGE_MODE production
    #SetEnvIf X-Forwarded-Proto https HTTPS=on
    SetEnvIf X-Forwarded-Proto "^https$" HTTPS=on
</VirtualHost>
```

```
~
~
~
```

## ⏪ Varnish Configuration

Access list

[GLOBAL]

IPs access list separated with '\,' that can purge Varnish configuration for config file generation. If field is empty default value localhost will be saved.

Backend host

[GLOBAL]

Specify backend host for config file generation. If field is empty default value localhost will be saved.

Backend port

[GLOBAL]

Specify backend port for config file generation. If field is empty default value 8080 will be saved.

Export Configuration

[GLOBAL]

[GLOBAL]

⏏?php

```
echo "Client IP: " . $_SERVER["HTTP_X_CLIENTIP"] . "<br />".PHP_EOL;  
echo "Server IP: " . $_SERVER["HTTP_X_SERVERIP"] . "<br />".PHP_EOL;  
echo "Local IP: " . $_SERVER["HTTP_X_LOCALIP"] . "<br />".PHP_EOL;  
echo "Remote IP: " . $_SERVER["HTTP_X_REMOTEIP"] . "<br />".PHP_EOL;  
echo "X-Forwarded-For: " . $_SERVER["HTTP_X_FORWARDED_FOR"] . "<br />".PHP_EOL;
```

~

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~

"npxy nhn" 6l 3550

Client IP: 72.213.70.220

Server IP: 82.196.4.34

Local IP: 82.196.4.104

Remote IP: 82.196.4.34

X-Forwarded-For: 72.213.70.220, 72.213.70.220

```
root@haproxy: ~ (ssh)
```

```
eth0    Link encap:Ethernet  HWaddr 04:01:a9:f6:5d:01
        inet addr:82.196.4.34  Bcast:82.196.4.255  Mask:255.255.255.0
        inet6 addr: fe80::601:a9ff:fef6:5d01/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:5391246 errors:0 dropped:0 overruns:0 frame:0
        TX packets:9826673 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:1589427933 (1.5 GB)  TX bytes:1272796007 (1.2 GB)

lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
```

```
root@varnish: ~ (ssh)
```

```
root@varnish:~# clear
root@varnish:~# ifconfig
eth0    Link encap:Ethernet  HWaddr 04:01:a9:f6:72:01
        inet addr:82.196.4.104  Bcast:82.196.4.255  Mask:255.255.255.0
        inet6 addr: fe80::601:a9ff:fef6:7201/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:9733681 errors:0 dropped:0 overruns:0 frame:0
        TX packets:5058682 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:1507332582 (1.5 GB)  TX bytes:845144397 (845.1 MB)

lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
```

```
root@m2: ~ (ssh)
```

```
        RX bytes:423202899 (423.2 MB)  TX bytes:444151018 (444.1 MB)

eth1    Link encap:Ethernet  HWaddr 04:01:a9:f7:90:02
        inet addr:10.129.6.117  Bcast:10.129.255.255  Mask:255.255.0.0
        inet6 addr: fe80::601:a9ff:fef7:9002/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:18 errors:0 dropped:0 overruns:0 frame:0
        TX packets:11 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:1248 (1.2 KB)  TX bytes:718 (718.0 B)
```