



Set up Icinga Web 2 to Apache SSL

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Pegasi Knowledge

<https://ghost.pegasi.fi/wiki/>

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Overview

I just set up a new Icinga 2 monitoring environment using zones and all goodies and while it may be a trivial thing to set it up to Apache with mod_ssl it always has the same overhead effort to browse thru. So better write it down for myself and you as a shortcut.

This short guide shows how to make Icinga Web 2 work with Apache using SSL encryption and redirecting users from http to https. I am using CentOS 7 but this should go straight to Red Hat 7 and with a little effort to other distros too.

Install mod_ssl and disable packaed configuration

Install mod_ssl and openssl.

```
yum install mod_ssl openssl
```

Remove the ssl.conf as we will set it all up to icingaweb conf file. Better keep custom stuff in one place.

```
rm /etc/httpd/conf.d/ssl.conf
```

Set up certificates

Set up certificates to their respective locations under /etc/pki.

Create icingaweb2-ssl.conf

```
Listen 443 https
SSLPassPhraseDialog exec:/usr/libexec/httpd-ssl-pass-dialog
SSLSessionCache          shmcb:/run/httpd/sslcache(512000)
SSLSessionCacheTimeout  300
SSLRandomSeed startup file:/dev/urandom  256
SSLRandomSeed connect builtin
SSLCryptoDevice builtin

<VirtualHost *:80>
    ServerName icinga.mydomain.com
    Redirect permanent / https://icinga.mydomain.com/
</VirtualHost>
```

```

<VirtualHost _default_:443>
    ServerName icinga.mydomain.com
    DocumentRoot "/var/www/html"
    Alias /icingaweb2 "/usr/share/icingaweb2/public"
    ErrorLog logs/ssl_error_log
    TransferLog logs/ssl_access_log
    LogLevel warn
    SSLEngine on
    SSLProtocol all -SSLv2 -SSLv3
    SSLCipherSuite HIGH:3DES:!aNULL:!MD5:!SEED:!IDEA
    SSLCertificateFile /etc/pki/tls/certs/yourcert.crt
    SSLCertificateKeyFile /etc/pki/tls/private/yourkey.key
    SSLCACertificateFile /etc/pki/tls/certs/yourca.crt
    <Files ~ "\.(cgi|shtml|phtml|php3?)">
        SSLOptions +StdEnvVars
    </Files>
    <Directory "/var/www/cgi-bin">
        SSLOptions +StdEnvVars
    </Directory>
    BrowserMatch "MSIE [2-5]" \
        nokeepalive ssl-unclean-shutdown \
        downgrade-1.0 force-response-1.0
    CustomLog logs/ssl_request_log \
        "%t %h %{SSL_PROTOCOL}x %{SSL_CIPHER}x \"%r\" %b"

    <IfVersion < 2.4>
        # Forward PHP requests to FPM
        SetEnvIf Authorization "(.*)" HTTP_AUTHORIZATION=$1
        <LocationMatch "^/icingaweb2/(.*\.php)$">
            ProxyPassMatch
            "fcgi://127.0.0.1:9000/usr/share/icingaweb2/public/$1"
        </LocationMatch>
    </IfVersion>

    <Directory "/usr/share/icingaweb2/public">
        Options SymLinksIfOwnerMatch
        AllowOverride None

        DirectoryIndex index.php

        <IfModule mod_authz_core.c>
            # Apache 2.4
            <RequireAll>
                Require all granted
            </RequireAll>
        </IfModule>
    </Directory>

```

```
<IfModule !mod_authz_core.c>
    # Apache 2.2
    Order allow,deny
    Allow from all
</IfModule>

SetEnv ICINGAWEB_CONFIGDIR "/etc/icingaweb2"

EnableSendfile Off

<IfModule mod_rewrite.c>
    RewriteEngine on
    RewriteBase /icingaweb2/
    RewriteCond %{REQUEST_FILENAME} -s [OR]
    RewriteCond %{REQUEST_FILENAME} -l [OR]
    RewriteCond %{REQUEST_FILENAME} -d
    RewriteRule ^.*$ - [NC,L]
    RewriteRule ^.*$ index.php [NC,L]
</IfModule>

<IfModule !mod_rewrite.c>
    DirectoryIndex error_norewrite.html
    ErrorDocument 404 /icingaweb2/error_norewrite.html
</IfModule>

<IfVersion >= 2.4>
    # Forward PHP requests to FPM
    SetEnvIf Authorization "(.*)" HTTP_AUTHORIZATION=$1
    <FilesMatch "\.php$" >
        SetHandler "proxy:fcgi://127.0.0.1:9000"
        ErrorDocument 503
        /icingaweb2/error_unavailable.html
    </FilesMatch>
</IfVersion>
</Directory>
</VirtualHost>
```

Check and test

Check config, restart Apache and test with your browser <https://icinga.yourcomain.com/icingaweb2>

```
apachectl configtest
apachectl restart
```

Comments

All comments and corrections are welcome.