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# Apache HTTPD

## Method

```
<Location "/*">
  <LimitExcept GET POST>
    Order deny,allow
    Deny from all
  </LimitExcept>
</Location>
```

## Apache httpd logfile permission(umask)

644 . umask가 0022

### envvars

apache ) apachectl envvars . (

```
# pick up any necessary environment variables
if test -f /APP/httpd-2.4.39/bin/envvars; then
  . /APP/httpd-2.4.39/bin/envvars
fi
```

envvars envvars umask 가

```
umask 0027 #<- 4
```

### apachectl

apachectl envvars (Redhat JBCS(Jboss core services)  
) apachectl umask

```
umask 0027 #<-
```

```
4
```

```
umask
```

## Host Header Poisoning / Injection

HTTP Host Header  
example.com

[www.example.com](http://www.example.com)

- **Apache HTTPD**

```
RewriteEngine On  
RewriteCond %{HTTP_HOST} !^(www.example.com|example.com)$ [NC]  
RewriteRule .* - [F]
```

VirtualHost

```
<VirtualHost _default_:*>  
DocumentRoot /www/default  
</VirtualHost>
```

- **JBoss EAP 7**

Undertow

expression-filter

```
/subsystem=undertow/configuration=filter/expression-filter=host-  
checker:add(expression="not(equals(%{i,Host}, www.example.com) or  
equals(%{i,Host}, example.com)) -> response-code(403)")  
/subsystem=undertow/server=default-server/host=default-host/filter-ref=host-  
checker:add
```

xml

```
<subsystem xmlns="urn:jboss:domain:undertow:3.1">  
  <buffer-cache name="default"/>  
  <server name="default-server">  
    ...  
    <host name="default-host" >  
      ...  
      <filter-ref name="host-checker"/>  
    </host>  
  </server>  
</filters>  
  ...
```

```
<expression-filter name="host-checker"
expression="not(equals(%{i,HOST}, www.example.com) or equals(%{i,HOST},
example.com)) -> response-code(403)"/>
</filters>
</subsystem>
```

- **JBoss EAP 6**      rewrite

```
<subsystem xmlns="urn:jboss:domain:web:2.1" default-virtual-server="default-
host" native="false">
  <connector name="http" protocol="HTTP/1.1" scheme="http" socket-
binding="http"/>
  <connector name="ajp" protocol="AJP/1.3" scheme="http" socket-
binding="ajp"/>
  <virtual-server name="default-host" enable-welcome-root="true">
    <alias name="localhost"/>
    <alias name="example.com"/>
    <!-- added -->
    <rewrite pattern="^(/*)$" substitution="-" flags="F">
      <condition test="%{HTTP:HOST}"
pattern="!(www.example.com|example.com)" flags="NC"/>
    </rewrite>
  </virtual-server>
</subsystem>
```

- <https://access.redhat.com/solutions/3166341>
- <https://access.redhat.com/solutions/3057511>

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