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WAF (Web Application Firewall) - ??????????

- ?????? Mindtouch??? Mindtouch ??? Apache ?????? Reverse Proxy????????????????????
- ??????Ubuntu 12.04

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> apt-get install apache2 libapache2-modsecurity libapache2-mod-proxy-html

> a2enmod proxy proxy_http

> service apache2 restart

> apachectl -M

security2_module (shared) <<<

proxy_module (shared) <<<

?? mod_proxy

> vi /etc/apache2/mods-enabled/proxy.conf

```
<IfModule mod_proxy.c>
```

```
ProxyRequests Off
```

```
<Proxy *>
```

```
    AddDefaultCharset off
```

```
    Order deny,allow
```

```
    Deny from all
```

```
    #Allow from .example.com
```

```
    Allow from all
```

```
</Proxy>
```

```
ProxyVia Block
```

```
ProxyPass / http://192.168.7.62/
```

```
ProxyPassReverse / http://192.168.7.62/
```

```
</IfModule>
```

192.168.7.62 ??? Web Server ??? IP?

>service apache2 restart

?? mod_security

> mv /etc/modsecurity/modsecurity.conf-recommend /etc/modsecurity/modsecurity.conf

?? /etc/apache2/mods-enabled/mod-security.conf

```
<IfModule security2_module>
```

```
    Include "/etc/modsecurity/*.conf"
```

</IfModule>

?? /etc/modsecurity/modsecurity.conf??????

-- Hiding the Apache engine

SecServerSignature "Microsoft-IIS/5.0"

> service apache restart

???mod_security ???

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- <https://www.digitalocean.com/communi...-debian-ubuntu>
- <http://cyrilwang.blogspot.tw/2014/01...dsecurity.html>
- <http://www.openfoundry.org/tw/tech-c...ebapp-firewall>
- <http://secure-ubuntu-server.blogspot...tu-server.html>
- <http://linux-guys.blogspot.tw/2011/0...-firewall.html>