

虛擬路徑服務使用注意事項

版本：2.0(民國 106 年 4 月 13 日修訂)

一、申請

請參考：<https://ncu.edu.tw/cloudservice/vd/>，填寫申請表：[虛擬路徑服務申請表](#)。

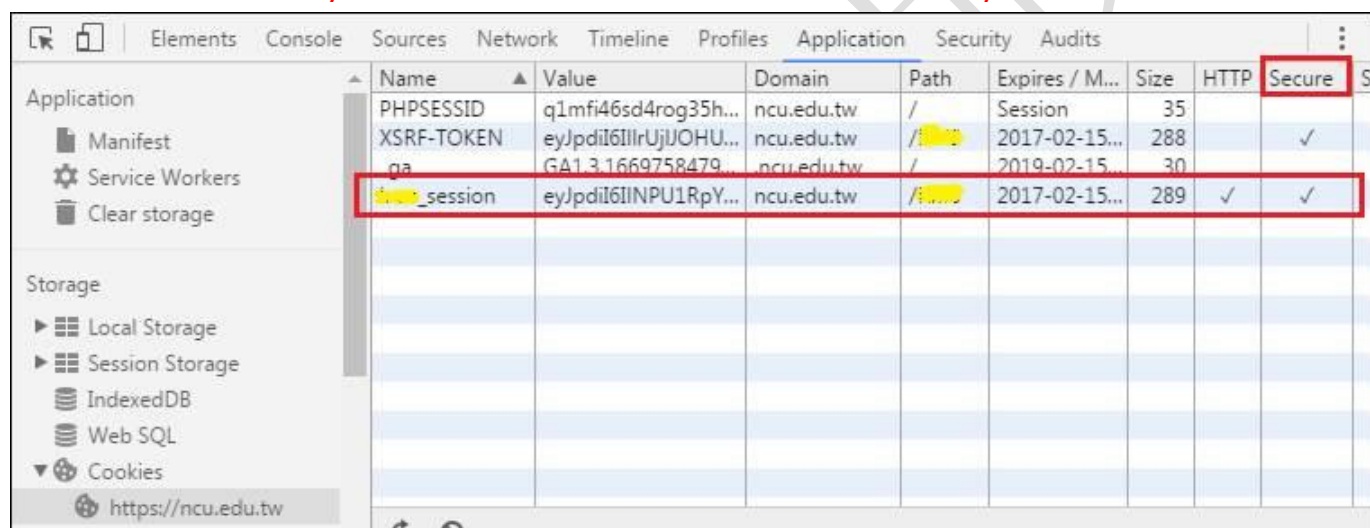
二、申請回覆

申請表審核完畢後，以 E-mail 通知，並附上申請完成之表單掃描電子檔案。

三、Session cookie 設定

Session cookie path 預設為根目錄/下，path 可以指定存取該 Cookie 的路徑。

使用虛擬路徑，請改為/**虛擬路徑名稱**，若有登入相關資訊，就僅能在/**虛擬路徑名稱**下使用。



Name	Value	Domain	Path	Expires / M...	Size	HTTP	Secure
PHPSESSID	q1mfi46sd4rog35h...	ncu.edu.tw	/	Session	35		
XSRF-TOKEN	eyJpdii6llrUjiJOHU...	ncu.edu.tw	/	2017-02-15...	288		✓
ga	GA1 3.1669758479...	ncu.edu.tw	/	2019-02-15...	30		
session	eyJpdii6IINPU1RpY...	ncu.edu.tw	/	2017-02-15...	289	✓	✓

舉例一 php.ini 中之設定

參考：<http://php.net/manual/en/session.configuration.php>

Session configuration options			
Name	Default	Changeable	Changelog
session.save_path	""	PHP_INI_ALL	
session.name	"PHPSESSID"	PHP_INI_ALL	
session.save_handler	"files"	PHP_INI_ALL	
session.auto_start	"0"	PHP_INI_PERDIR	
session.gc_probability	"1"	PHP_INI_ALL	
session.gc_divisor	"100"	PHP_INI_ALL	Available since PHP 4.3.2.
session.gc_maxlifetime	"1440"	PHP_INI_ALL	
session.serialize_handler	"php"	PHP_INI_ALL	
session.cookie_lifetime	"0"	PHP_INI_ALL	
session.cookie_path	"/"	PHP_INI_ALL	
session.cookie_domain	""	PHP_INI_ALL	
session.cookie_secure	""	PHP_INI_ALL	Available since PHP 4.0.4.
session.cookie_httponly	""	PHP_INI_ALL	Available since PHP 5.2.0.

舉例二 laravel 框架下可至 config 資料夾中變更 session 設定

參考：<https://laravel.tw/docs/5.2/session>

Session 的設定檔放在 config/session.php

```
/*
|-----
| Session Cookie Name
|-----
|
| Here you may change the name of the cookie used to identify a session
| instance by ID. The name specified here will get used every time a
| new session cookie is created by the framework for every driver.
|
*/
'cookie' => 'laravel_session',

/*
|-----
| Session Cookie Path
|-----
|
| The session cookie path determines the path for which the cookie will
| be regarded as available. Typically, this will be the root path of
| your application but you are free to change this when necessary.
|
*/
'path' => '/',

/*
|-----
| Session Cookie Domain
|-----
|
| Here you may change the domain of the cookie used to identify a session
| in your application. This will determine which domains the cookie is
| available to in your application. A sensible default has been set.
|
*/
'domain' => null,

/*
|-----
| HTTPS Only Cookies
|-----
|
| By setting this option to true, session cookies will only be sent back
| to the server if the browser has a HTTPS connection. This will keep
| the cookie from being sent to you if it can not be done securely.
|
*/
'secure' => true,
```

四、remote ip 的取得

訪客透過 `https://ncu.edu.tw/` **虛擬路徑名稱** 訪問網站後，Access log 會取得虛擬路徑主機的 IP，並不是訪客的真實 IP，伺服器要取得訪客的真實 IP，需要做一些設定。

【補充】查看 Access log

Windows 系統

Tomcat6 : `C:\Program Files (x86)\Apache Software Foundation\Tomcat 6.0\logs`
中，檔案格式為 `localhost_access_log.YYYY-MM-DD.txt`

Linux 系統

Apache2 : `/var/log/apache2/access.log`

Tomcat : `/var/log/tomcat6/localhost_access_log.YYYY-MM-DD.txt`

Nginx : `/var/log/nginx/access.log`

範例一 Ubuntu14.04+apache2.4.7

1. 加 mod_remoteip 模組方式(使用內建指令設定)

```
$ sudo a2enmod remoteip
```

2. 設定檔加兩行

```
$ sudo vim /etc/apache2/conf-available/remoteip.conf  
RemoteIPHeader x-real-ip  
RemoteIPTrustedProxy 140.115.0.251
```

3. 用內建指令 enabled

```
$ sudo a2enconf remoteip.conf
```

4. 改 Custom Log

```
$ sudo vim /etc/apache2/apache2.conf  
將 combined 的 %h 改成 %a
```

5. 重啟 apache

```
$ sudo service apache2 restart
```

6. `/var/log/apache2/access.log` 查看訪客 IP

範例二 CentOS7+apache2.4.6

1. 加 mod_remoteip 模組方式

CentOS7 不用加模組，因為一安裝好就有在 modules 中，

查看：`/etc/httpd/modules/`，可以看到可以看到 `mod_remoteip.so`

2. 新增設定檔 `remoteip.conf`，並加入兩行

```
# vim /etc/httpd/conf.d/remoteip.conf
RemoteIPHeader x-real-ip
RemoteIPTrustedProxy 140.115.0.251
```

3. 不用 enabled

因為`/etc/httpd/conf/httpd.conf`中，最後一行已經有寫 `IncludeOptional conf.d/*.conf`

4. 改 Custom Log

```
# vim /etc/httpd/conf/httpd.conf
將 combined 的 %h 改成 %a
```

5. 重啟 httpd

```
# systemctl restart httpd.service
```

範例三 CentOS6+tomcat6

1. remote ip 設定

```
# vim /etc/tomcat6/server.xml
<Valve
  className="org.apache.catalina.valves.RemoteIpValve"
  internalProxies="140\115\0\251"
  remoteIpHeader="x-real-ip"
/>
```

2. 重啟 tomcat6

```
# service tomcat6 restart
```

範例四 Win2008server+tomcat6

編輯 C:\Program Files (x86)\Apache Software Foundation\Tomcat 6.0\conf\server.xml(請依安裝的路徑去找 server.xml 修改)加入以下內容：

1. remote ip 設定

```
<Valve  
  className="org.apache.catalina.valves.RemoteIpValve"  
  internalProxies="140.115.0.251"  
  remoteIpHeader="x-real-ip"  
>
```

2. 重啟 tomcat6

範例五 CentOS7+nginx

以 nginx version: nginx/1.10.2 為例，請在設定檔加入：

```
set_real_ip_from 140.115.0.251;  
real_ip_header X-Real-IP;
```

提醒！！設定檔預設為：[/etc/nginx/conf.d/default.conf](#)，若有自行更改請依照自己的設定檔去修改。