

UMail V5 增加 SPF/DKIM/DMARC 的 DNS 紀錄

[說明]

使用 SPF/DKIM/DMARC 這 3 種電子郵件標準可以防範偽造郵件或詐騙郵件，有助於確保你發送的郵件不會被標記為垃圾郵件。

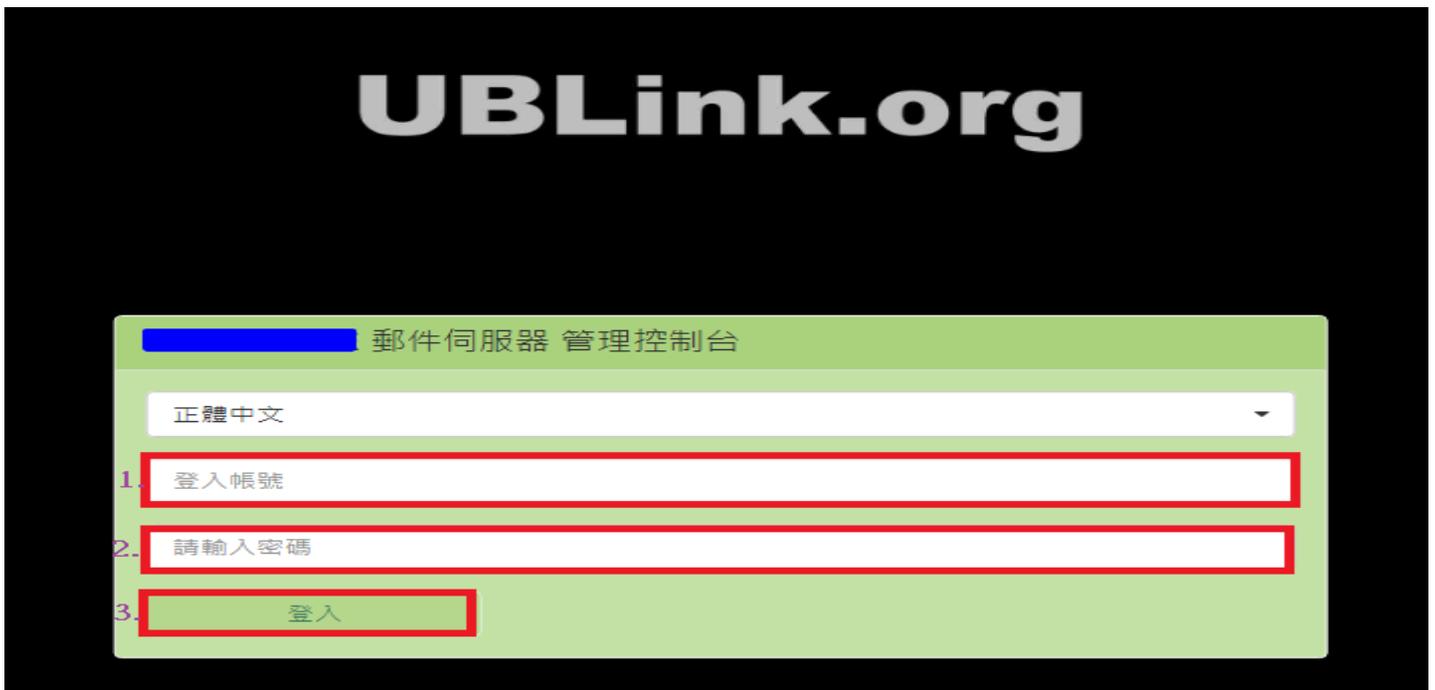
SPF：發送郵件的服務器和網域名稱。

DKIM：為每封外送郵件添加數字簽名，讓接收郵件的主機驗證郵件是否確實來自貴公司的網域。

DMARC：告知接收郵件的主機如何處理來自未通過 SPF 或 DKIM 檢查的郵件。

PS：偽造的郵件看上去像來自於某個網域，而實際上相對應單位的網域是攻擊者偽造的，DKIM 可檢測出郵件遭偽造的情況，以及郵件發信人地址是否來自於某網域。

[步驟 1] 登入 UMail V5 管理界面，請依照下面畫面操作。



[步驟 2] 產生網域的 DKIM 資料，請依照下面畫面操作。



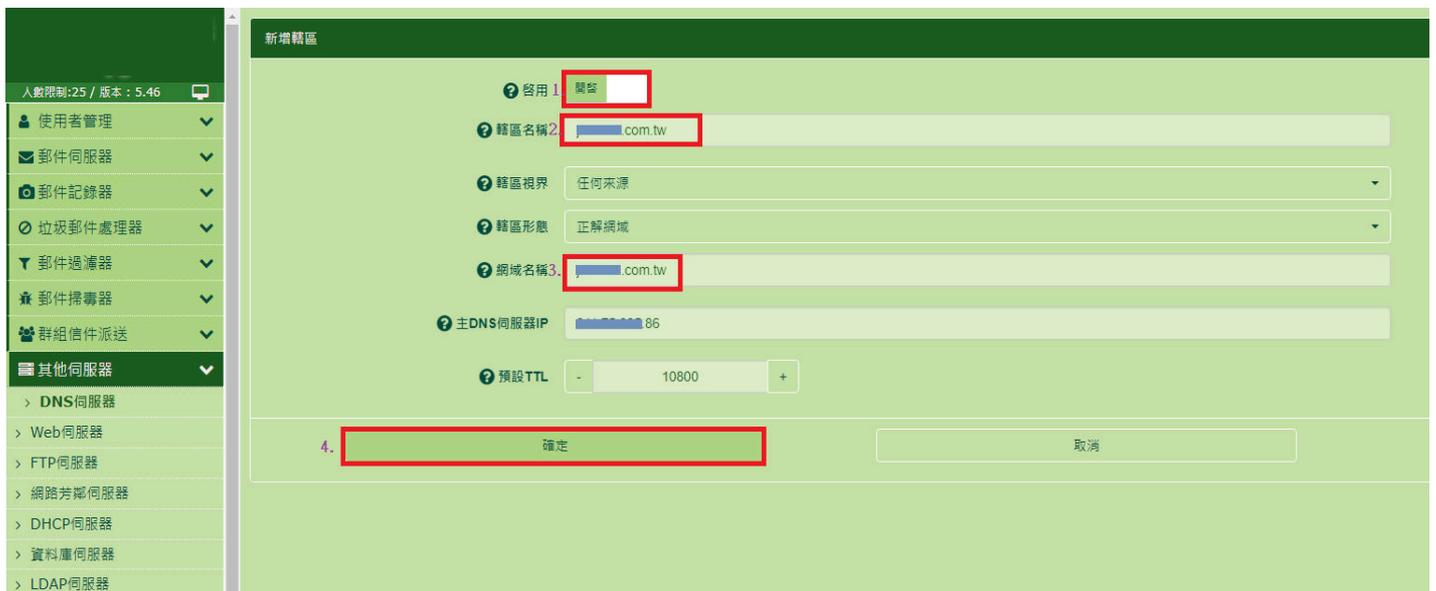
[步驟 3] 設定 DNS 伺服器，請依照下面畫面操作。



[步驟 4] 新增網域資料，請依照下面畫面操作。



[步驟 5] 輸入網域名稱與 DNS 伺服器外部 IP，請依照下面畫面操作。



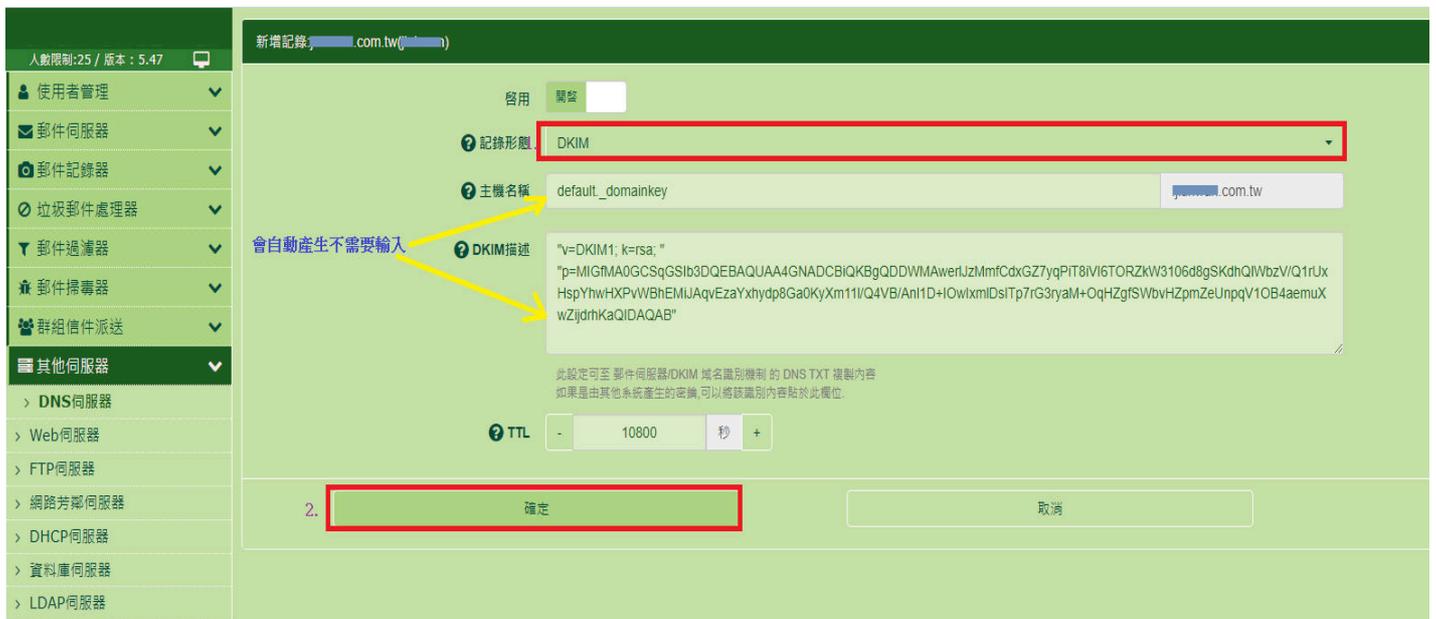
[步驟 6] UMail V5 建好的網域資料如下(NS/A/MX/SPF 等...), 請點選 **[新增]**。



The screenshot shows the DNS management interface for a domain. The left sidebar contains navigation options like '使用者管理', '郵件伺服器', and '其他伺服器'. The main area displays a table of DNS records:

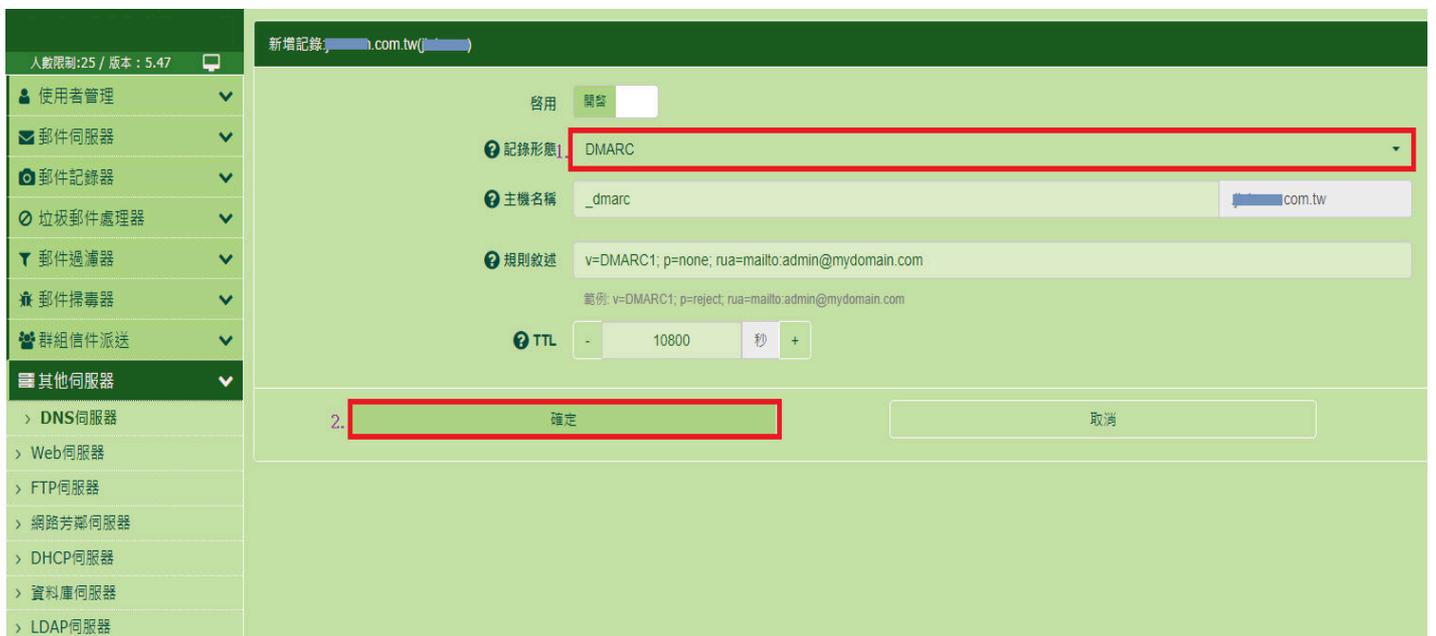
啟...	主機名稱	TTL	形態	設定值	操作
<input type="checkbox"/>	dns	10800	A	86	
<input type="checkbox"/>	ns	10800	A	86	
<input type="checkbox"/>	@	10800	A	86	
<input type="checkbox"/>	mail	10800	A	86	
<input type="checkbox"/>	@	10800	MX	10: [domain].com.tw	
<input type="checkbox"/>	@	10800	MX	10: mail.[domain].com.tw	
<input type="checkbox"/>	@	10800	NS	dns	
<input type="checkbox"/>	@	10800	NS	ns	
<input type="checkbox"/>	@	10800	SPF	v=spf1 a mx -all	

[步驟 7] 記錄型態選擇 **[DKIM]**, 請依照下面畫面操作。



The screenshot shows the 'Add Record' form for DKIM. The 'Record Type' (記錄型態) is set to DKIM. The 'Host Name' (主機名稱) is 'default_domainkey'. The 'DKIM Description' (DKIM描述) field contains a long alphanumeric string. The 'TTL' is set to 10800 seconds. A red box highlights the 'Confirm' (確定) button, and a yellow arrow points to the 'DKIM Description' field with the text '會自動產生不需要輸入' (will be automatically generated, no need to input).

[步驟 8] 接下來在新增一筆 DMARC, 請在記錄型態選擇 **[DMARC]**, 請依照下面畫面操作。



The screenshot shows the 'Add Record' form for DMARC. The 'Record Type' (記錄型態) is set to DMARC. The 'Host Name' (主機名稱) is '_dmarc'. The 'Rule Description' (規則敘述) field contains 'v=DMARC1; p=none; rua=mailto:admin@mydomain.com'. The 'TTL' is set to 10800 seconds. A red box highlights the 'Confirm' (確定) button.

[步驟 9] DKIM 與 DMARC 新增完成後，會看到如下的畫面。

The screenshot shows the UMail V5 DNS management interface. On the left is a navigation menu with categories like '使用者管理', '郵件伺服器', and 'DNS伺服器'. The main area is titled '基本設定' and 'DNS zone管理'. It displays a table of DNS records for the domain 'example.com.tw'. The records include:

啟	主機名稱	TTL	形態	設定值	操作
<input checked="" type="checkbox"/>	dns	10800	A	86	[Edit] [Delete]
<input checked="" type="checkbox"/>	ns	10800	A	86	[Edit] [Delete]
<input checked="" type="checkbox"/>	@	10800	A	86	[Edit] [Delete]
<input checked="" type="checkbox"/>	mail	10800	A	86	[Edit] [Delete]
<input checked="" type="checkbox"/>	default_domainkey	10800	DKIM	"v=DKIM1; k=rsa;" "p=MIGfMA0GCsqGSib3DQEBAQUAA4GNADCBiQKBgQDDWMaAwerLjzMMfCdxGZ7yqPIT8VI6TORZKW3106d8gSKdhQI WbzV/Q1rUxHspYhwHXPvWBhEMUJAqvEzaYxhydp8Ga0KyXm11I/Q4V Bi/An1D+lOwlxmiDslTp7rG3nyam+OqHZgfsWbvHZpmZeUnpqV1OB4a emuXwZjdrhKaQIDAQAB"	[Edit] [Delete]
<input checked="" type="checkbox"/>	_dmarc	10800	DMARC	v=DMARC1; p=none; rua=mailto:admin@example.com.tw	[Edit] [Delete]
<input checked="" type="checkbox"/>	@	10800	MX	10: example.com.tw	[Edit] [Delete]
<input checked="" type="checkbox"/>	@	10800	MX	10: mail.example.com.tw	[Edit] [Delete]
<input checked="" type="checkbox"/>	@	10800	NS	dns	[Edit] [Delete]
<input checked="" type="checkbox"/>	@	10800	NS	ns	[Edit] [Delete]
<input checked="" type="checkbox"/>	@	10800	SPF	v=spf1 a mx -all	[Edit] [Delete]

以上步驟就完成了在 UMail V5 增加 SPF/DKIM/DMARC 的 DNS 紀錄了，接下來要驗證 SPF/DKIM/DMARC 的紀錄是否有效。

[步驟 10] 打開瀏覽器，在網址輸入-> <https://easydmarc.com/tools/spf-lookup>，請依照下面畫面操作。

The screenshot shows the EasyDMARC website's SPF Record Lookup tool. The browser address bar shows the URL <https://easydmarc.com/tools/spf-lookup>. The page has a navigation bar with 'Platform', 'Pricing', 'Solutions', 'Blog', and 'Company'. Below the navigation is the 'SPF Record Lookup' section with the sub-header 'SPF Record Lookup' and the instruction 'Use this tool for lookup and validate your SPF record.' There are three tabs: 'SPF Lookup', 'SPF Generator', and 'SPF Raw Checker'. The 'SPF Lookup' tab is active. The form has a 'Domain:' label and a text input field containing 'example.com.tw' with a red box around it and the text '2. 輸入網域名稱'. To the right of the input field is a 'Check SPF' button with a red box around it and the text '3. Check SPF'.

[步驟 11] SPF 紀錄的檢查結果如下(SPF 是有效的，並且查到了 2 筆 SPF 的紀錄)。

The screenshot shows the EASYDMARC website's SPF Record Lookup tool. At the top, there is a navigation bar with the EASYDMARC logo and links for Platform, Pricing (New), Solutions, Blog, and Company. The main heading is "SPF Record Lookup" with a subtext: "Use this tool for lookup and validate your SPF record." Below this is a "Domain:" input field containing a redacted domain ".com.tw" and a blue "Check SPF" button. Underneath, it says "Lookup and check results for [redacted].com.tw domain" with two tabs: "SPF lookup Tree" (selected) and "Sending Sources". The "SPF Lookup Tree" section shows a tree structure for the domain. The root node is "[redacted].com.tw" with "2 LOOKUPS (2 main, 0 nested)". Below it is the query "v=spf1 a mx -all". Two yellow arrows point from the root node to the first two records in the list: "1 a: [redacted].com.tw" and "2 mx: [redacted].com.tw". Other records include "mail,[redacted].com.tw" and "[redacted].n.com.tw".

[步驟 12] 打開瀏覽器，在網址輸入-> <https://easydmarc.com/tools/dkim-lookup>，請依照下面畫面操作。

The screenshot shows the EASYDMARC website's DKIM Record Checker tool. At the top, there is a navigation bar with the EASYDMARC logo and links for Platform, Pricing (New), Solutions, Blog, and Company. The main heading is "DKIM" with a subtext: "Use this tool to check, lookup, and validate your DKIM record." Below this is a "Domain:" input field containing a redacted domain ".com.tw" with a red box around it and the text "<輸入網域名稱". Below that is a "Selector" input field containing "default" with a red box around it and the text "<輸入default". There is a checkbox for "Detect all selectors" which is unchecked. At the bottom right, there is a blue "Check DKIM" button with a red box around it. On the right side, there is a "Scanning results" section with a "PROTECTION STATUS" gauge showing "0 of 10" and "No Data". Below this are four buttons: "DMARC", "SPF", "DKIM", and "BIMI".

[步驟 13] DKIM 紀錄的檢查結果如下(DKIM 是有效的，並且看到了 DKIM Key 的資料)。

The screenshot shows the EASYDMARC DKIM Record Checker interface. At the top, there is a navigation bar with the EASYDMARC logo and links for Platform, Pricing (marked as New), Solutions, Blog, and Company. The main heading is "DKIM Record Checker" with a subtext: "Use this tool to check, lookup, and validate your DKIM record." Below this, there are input fields for "Domain" (containing a redacted domain) and "Selector" (set to "default"). There is a checkbox for "Detect all selectors" which is unchecked. A blue "Check DKIM" button is positioned to the right. Below the inputs, the text "Lookup and check results for [redacted].com.tw domain" is displayed. A table shows the results:

DKIM Status	Selector
✔ VALID	default

Below the table, there is a "Record value:" section with a "Copy" icon and a long DKIM record string:

```
v=DKIM1; k=rsa;  
p=MIIBljANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAzM0651wU8zMvY  
x2iSwRkstEDkwPjblBYZqde3Pz7dcy2PDEQWIk7Ay0Zsqf0AJkyPS89+RGXrfz  
yy+ofOhIX6O9FCAszDb9BcH8tu5J2si4MxcnlXZn1LNi2yrPLUGsJPqh6X0RO5K  
F0sXqwEvcx+ihNEZYZC1NkHBqbF0jdgUXSSfAL3nOHMUXJCb5TfRI93DGINx  
mMDyJ1Yr7uWulu3liUt7zqQOhG5z2ameMYsOTXgH3rd9cxGHapYOIGbdOcM  
SgKknkuk0Zlo/kW64x+aDvGJEWYGvG+3pHLAWg996Rg0qvaeWtQPuYJwSeY  
oA0h90FYsv8JE/8ieA/dZ7kQIDAQAB
```

[步驟 14] 打開瀏覽器，在網址輸入-> <https://easydmarc.com/tools/dmarc-lookup>，請依照下面畫面操作。

The screenshot shows the EASYDMARC DMARC Record Checker tool in a browser window. The browser's address bar shows the URL <https://easydmarc.com/tools/dmarc-lookup>. The page header includes the EASYDMARC logo and navigation links. The main heading is "DMARC" with a subtext: "Use this tool to check, lookup, and validate your DMARC record." Below this, there are tabs for "DMARC Lookup" (selected) and "DMARC Generator". The "DMARC Record Checker" section has a "Domain" input field (containing a redacted domain) with a red box around it and the number "2." next to it. A blue "Check DMARC" button is to the right, with a red box around it and the number "3." next to it. Below the input fields, there is an "Explanation Tags" section with a minus sign icon and the text "The tags and their definitions".

[步驟 15] DMARC 紀錄的檢查結果如下(DMARC 是有效的，並且看到了 DMARC 的資料)。

The screenshot shows the EASYDMARC website's DMARC Record Checker tool. The navigation bar includes the EASYDMARC logo and links for Platform, Pricing (marked as New), Solutions, Blog, and Company. The main header features the DMARC logo and a breadcrumb trail: Home > Platform > DMARC Record Checker. Below the header, there are two tabs: DMARC Lookup (selected) and DMARC Generator. The DMARC Record Checker section contains the instruction: "Use this tool to check, lookup, and validate your DMARC record." A text input field for the domain contains ".com.tw", and a blue "Check DMARC" button is positioned to its right. Below the input field, the text "Lookup and check results for [redacted].com.tw domain" is displayed. A red-bordered box highlights the "DMARC Status" section, which shows a green checkmark and the text "VALID DMARC". Below this, the "Record value:" is shown as "v=DMARC1; p=none; rua=mailto:admin@[redacted].com.tw". A "Copy" button is located to the right of the record value.

經過步驟 10~步驟 15 的 SPF/DKIM/DMARC 檢查，確認了我們在 UMail V5 上面增加的 SPF/DKIM/DMARC 的 DNS 紀錄是正確無誤的。