# 第4章 GWS邮件管理

## **练习**1

略

### DNS介绍

#### Value/Answer/Destination Name/Host/Alias Record Type Priority Blank or @ A NA 216.239.32.21 Blank or @ MX 1 ASPMX.L.GOOGLE.COM Blank or @ MX ALTI.ASPMX.L.GOOGLE.COM 5 Blank or @ 10 MX ASPMX3.GOOGLEMAIL.COM mail ghs.googlehosted.com. CNAME NA google-site-verification=6tTalLzrBX\_Ks69jle8 Blank or @ TXT NA ghs.googlehosted.com. WWW CNAME NA

### CNAME记录[]TXT记录[]MX记录[]SPF[]DKIM和DMARC 还有NS记录[]A记录等。

练习2

#### 参考链接https://support.google.com/a/answer/140034



1.先要创建用户账号(应该是指邮箱)然后再将MX记录转到GWS上 2.TTL默认是3600,但 正常使用Gmail后可以改为86400,这样更新频率会改为每天1次 3.如果是要把现行的邮箱系 统转移到GWS上,可以保留现在的MX记录,但调低优先级(比如将优先级改为10+),当 所有邮箱都经由Google后,再删除原MX记录,这样保证不会有邮件丢失

### **练习**3

检查MX 工具URL为https://toolbox.googleapps.com/apps/checkmx/

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example.com	RUN CHECKS!
DKIM selector (optional)	

# trident365.com

There were some critical problems detected with this domain. Mail-flow is probably affected. Please refer to the corresponding help art these.

0	SPF must allow Google servers to send mail on behalf of your domain.	0	Help center article
0	Domain must have at least one mail server.	0	Help center article
<b>A</b>	DKIM is not set up.	0	Help center article
<b>A</b>	DMARC is not set up.	0	Help center article
<b>A</b>	MTA-STS DNS Record.		
	No Google mail exchangers found. Relayhost configuration?	0	Help center article

点击报警会给出解决方法

### 测试1

You need to make a change to your MX records and you want the change to be implemented as soon as possible. What approach can you take?

- 1. Change your MX records in the admin console and reduce the Time to Live (TTL) value to one hour. Once the change has been implemented revert the TTL value to 24 hours
- 2. Make the change in your DNS console and reduce the Time to Live (TTL) value to 1 hour. Once the change has been implemented revert the TTL value to 24 hours
- 3. Change your MX records in the admin console and reduce the Time to Live (TTL) value to one hour
- 4. Make the change in your DNS console and reduce the Time to Live (TTL) value to 1 hour

Which type of DNS record determines where mail destined for your domain is routed?

#### 1. MX Record

- 2. TXT Record
- 3. NS Record
- 4. CNAME Record

In general, from where would you manage your domain's DNS records?

- 1. All of the options here
- 2. In your local DNS files
- 3. In your domain registrar console
- 4. In the Google Workspace admin console

What are common uses for a DNS TXT record when using Google Workspace? (Choose 2)

- 1. Customise a Google service address
- 2. Control inbound mail to your domain
- 3. Domain verification
- 4. Email security records

### 邮件安全

3招□SPF□DKIM和DMARC SPF: verify the domain you own DKIM: prevent email spoofing on outbound message by adding an encrypted header DMARC: tell email servers how to handle messages that fail SPF/DKIM checks

### **练习**1

SPF[]通过添加TXT记录到DNS中 Xserver中已经有一条记录了,现在在后面追加

include:\_spf.google.com ~all

#### 记录生效需要24小时左右参考链

接:https://support.google.com/a/answer/33786#zippy=%2Cspf-%E8%AE%B0%E5%BD%95%E7%A4%BA%E4%BE%8B

### **练习**2



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#### Generate new record

You must wait 24 to 72 hours after enabling Gmail with a registered domain before you can create a DKIM record. Learn more.

If you are currently authenticating email from this domain, generating a new TXT record will stop authentication until you restart it and wait for DNS to update.

#### Select DKIM key bit length

2048 💌

Prefix selector (optional)

google

CANCEL GENERATE

生成后长这个样子

Status: Not authenticating email

You must update the DNS records for this domain.

To start authenticating email for the domain selected above, enter the following DNS TXT record into your domain provider's DNS settings page. Then click "Start authentication."



### **练习**3

\_dmarc.trident365.com

TXT v=D

v=DMARC1; p=none; rua=mailto:admin@trident365.com

3600

这条TXT记录告诉收件邮箱服务器,如果判定Fail□如何操作,这里是通知管理员。

### 测试2

What is the main purpose of a Sender Policy Framework (SPF) record?

### 1. It specifies which servers/domains can send messages on your behalf

- 2. It can be used to verify that message content is authentic and has not changed
- 3. It defines the action to take on suspicious incoming messages

You have been asked to implement DomainKeys Identified Mail (DKIM) for your organization. How would you do this?

- 1. Enable DKIM from Apps > Google Workspace > Gmail > Authenticate email
- 2. Enable DKIM directly in your DNS records
- 3. Generate a key from your DNS records and add it to the Google Workspace admin console. Then Enable DKIM from Apps > Google Workspace > Gmail > Authenticate email
- 4. Generate a DKIM record from Apps > Google Workspace > Gmail > Authenticate email. Add the record to your DNS records and then start authentication from the admin console

What policy defines what to do if an incoming message is not authenticated?

- 1. SPF
- 2. DKIM
- 3. All of the options here
- 4. DMARC

DKIM adds an encrypted signature to the header of all outgoing messages. What happens if you don't turn on email signing with your own domain DKIM key?

- 1. Gmail signs all outgoing messages with a temporary key generated for your domain
- 2. Gmail signs all outgoing messages with this default DKIM domain key d=\*.gappssmtp.com
- 3. Gmail signs all outgoing messages with a key generated using the From address in the message
- 4. Messages are sent as normal with no additional headers

### 邮件安全配置

对于未受信任的发件人的加密附件,处理方式是隔离。

Gmail	Safety To check how these setting	Safety To check how these settings are affecting email delivery and troubleshoot potential issues, go to Email Log Search.			
Status ON for everyone	Attachments Applied at trident365.com	Additional policies to protect against malware in emails. Learn more View affected emails (charts access requires Google Workspace Enterprise Plus edition).			
Organizational Units		Protect against encrypted attachments from untrusted senders Encrypted attachments cannot be scanned for malware. Apply this action to any encrypted attachments sent by untrusted sender			
Search for organizational units	_	Choose an action Quarantine			
✓ trident365.com Contractors		Choose a quarantine Default 🐱			
Employees					

### **练习**2

note

对于外包人员,禁止他们的自动转发邮件到个人邮箱,并且禁止POP和IMAP□但那些开户GWS Sync的人例 外。

既便你把某一个域加为安全,但这里的设定仍然会生效。各自相互独立

Apps > Google Workspace > Settings for Gmail > End User Access

Gmail	Showing settings for users ir	Showing settings for users in Contractors			
	End User Access				^
	POP and IMAP access Inherited from OU: trident365.com	Enable IMAP access for all users: <b>OFF</b> Enable POP access for all users: <b>OFF</b>			
	Google Workspace Sync Inherited from 'trident365.com'	Enable Google Workspace Sync for Microsoft Outlook for my users: OFF			
	Automatic forwarding Inherited from 'trident365.com'	Allow users to automatically forward incoming email to another address			
		Override will overrule the settings inherited from parent organizational unit trident365.com Most changes take effect in a few minutes. Learn more You can view prior changes in the Audit log			
			1 unsaved change	CANCEL	OVERRIDE
现在Rules也会终止工作					

### 测试3

The attachment section in the Gmail Safety settings page allows you to protect against malicious attachments. What actions can you perform on a suspicious attachment? (Choose 2)

- 1. Keep email in inbox without warning
- 2. Move email to spam
- 3. Send to a designated user
- 4. Keep email in inbox and show warning

You have enabled protection against anomalous attachment types in emails from the Gmail > Safety page but you are finding some emails with valid attachment types are not being delivered. How can you resolve this?

- 1. Ask each user to create an allowlist of allowable file types
- 2. Add an allowlist of allowable file types to the entry in the Attachments section on the Safety page
- 3. Have all messages that trigger this setting delivered to a quarantine and then release the messages manually
- 4. You cannot control what file types are considered anomalous so you must disable this protection to allow messages to be delivered

What are valid reasons for allowing per-user outbound gateways in your organization? (Choose 2)

- 1. An outbound gateway ensures that the same mail server delivers all messages from otherdomain and that server has a record that the mail has been sent
- 2. Mail delivery times are improved because messages bypass the Gmail servers
- 3. An outbound gateway can prevent the appearance of "on behalf of" addresses in the From field
- 4. Allows your users to send mail from their business and personal Gmail account from one inbox

Google recommends against the use of the Image URL proxy allowlist?

- 1. True
- 2. False

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