Using GMail SMTP Server for sending backup notification emails

Introduction
This article covers the setup and special settings required to use the Gmail SMTP server to send backup notification emails. For general information on setting up email notifications please see here: Configuring e-mail notifications

- SMTP Server Settings
- Google OAuth 2.0 Security
- Accounts without two factor authentication
- Accounts with two factor authentication
- Additional Security

SMTP Server Settings

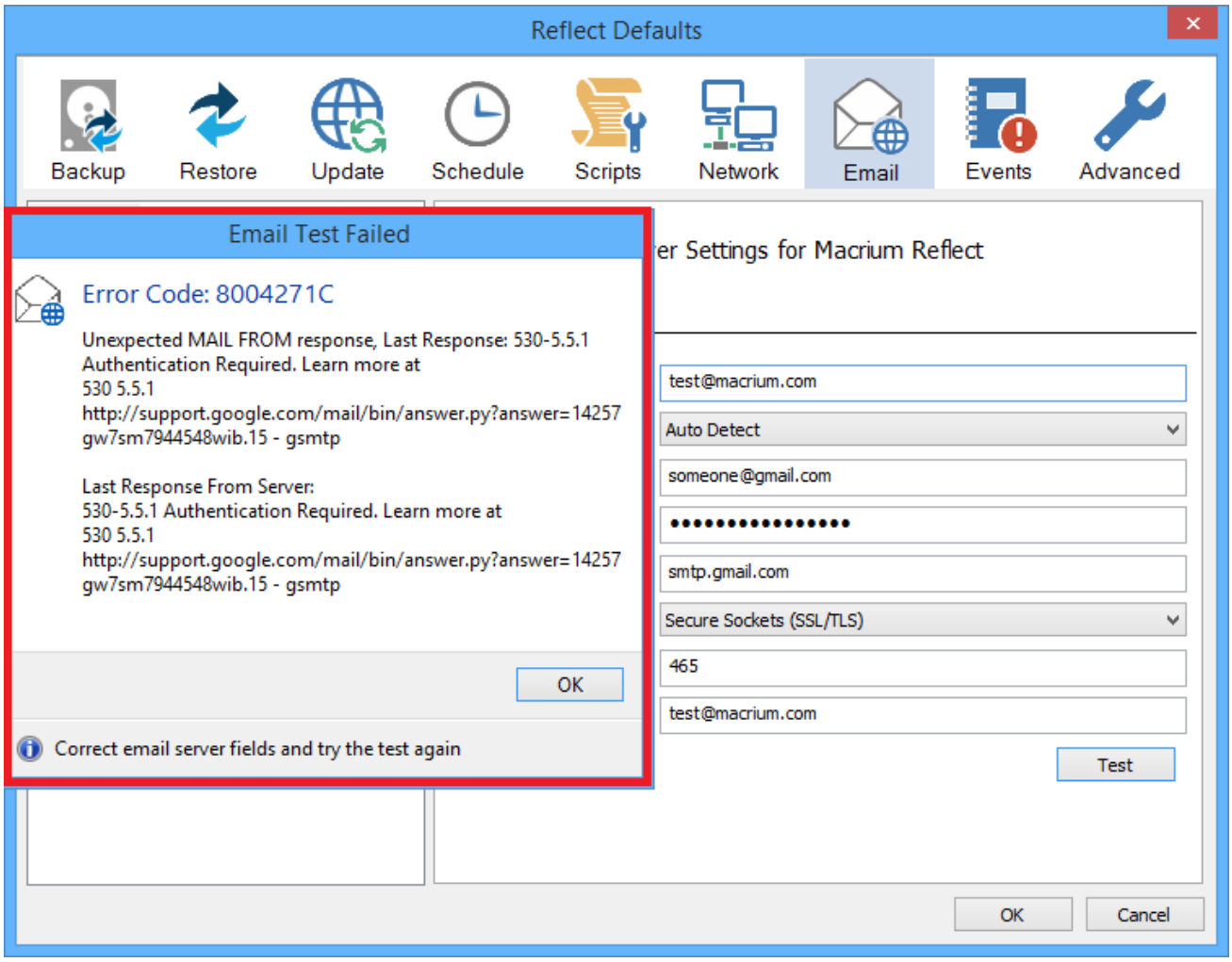
Authentication	Auto Detect
SMTP Username	Your Gmail email address
SMTP Password	**Your account password***
SMTP Server	smtp.gmail.com
Connection Type	Secure Sockets (SSL/TLS)
SMTP Port	465

***Please read on to establish and use the correct password**

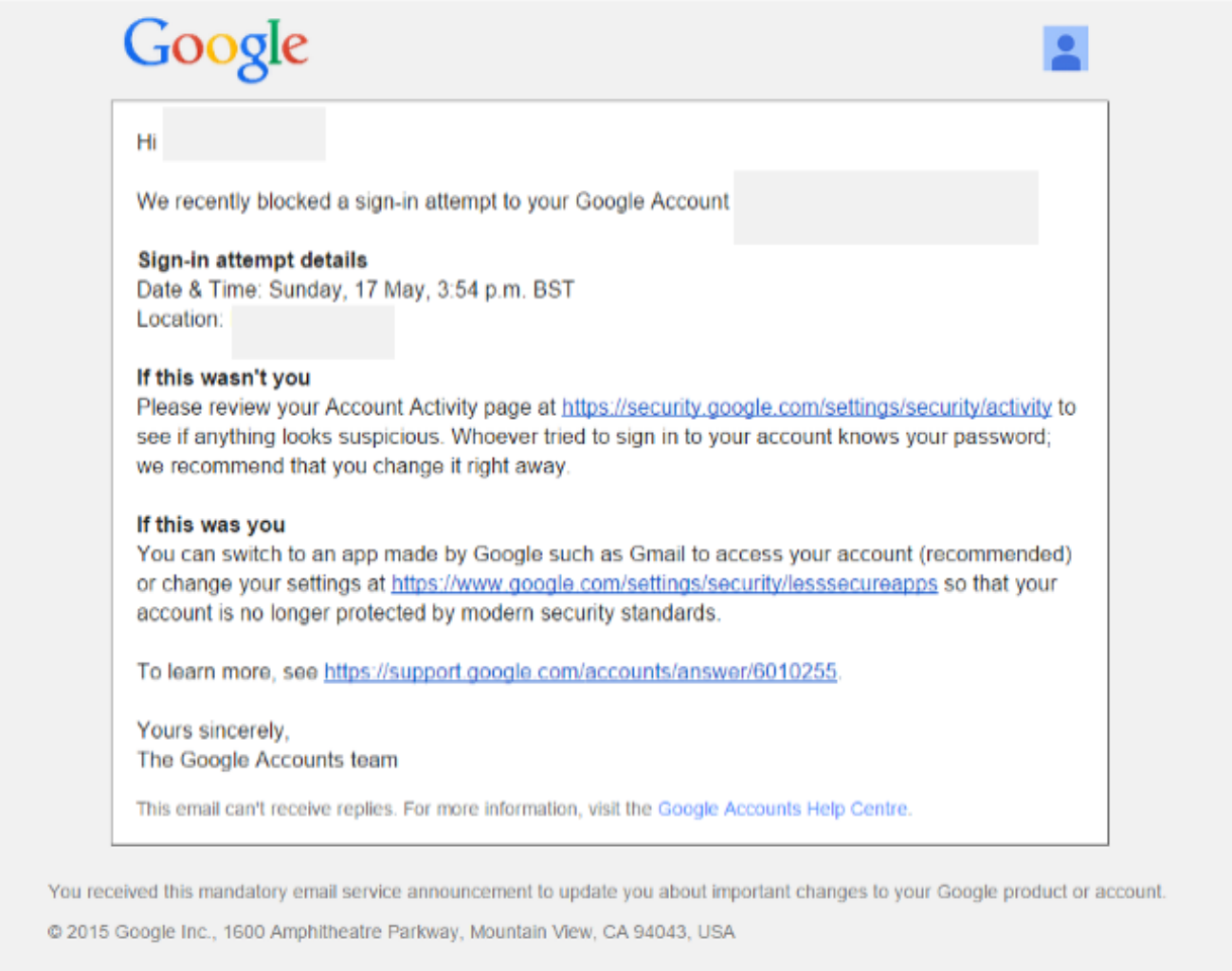
Google OAuth 2.0 Security

Since mid 2014 Gmail has enforced new security rules for applications that attempt to use access Gmail to send and receive emails. When setting up your Gmail account in the Macrium Reflect defaults for your email notifications you may see the following message **despite the account and password information being entered correctly:**

```
Error Code: 8004271C
Authentication Required
```



You may also receive the following email notification:



Google

Hi

We recently blocked a sign-in attempt to your Google Account

Sign-in attempt details
Date & Time: Sunday, 17 May, 3:54 p.m. BST
Location:

If this wasn't you
Please review your Account Activity page at https://security.google.com/settings/security/activity to see if anything looks suspicious. Whoever tried to sign in to your account knows your password; we recommend that you change it right away.

If this was you
You can switch to an app made by Google such as Gmail to access your account (recommended) or change your settings at https://www.google.com/settings/security/lesssecureapps so that your account is no longer protected by modern security standards.

To learn more, see https://support.google.com/accounts/answer/6010255.

Yours sincerely,
The Google Accounts team

This email can't receive replies. For more information, visit the Google Accounts Help Centre.

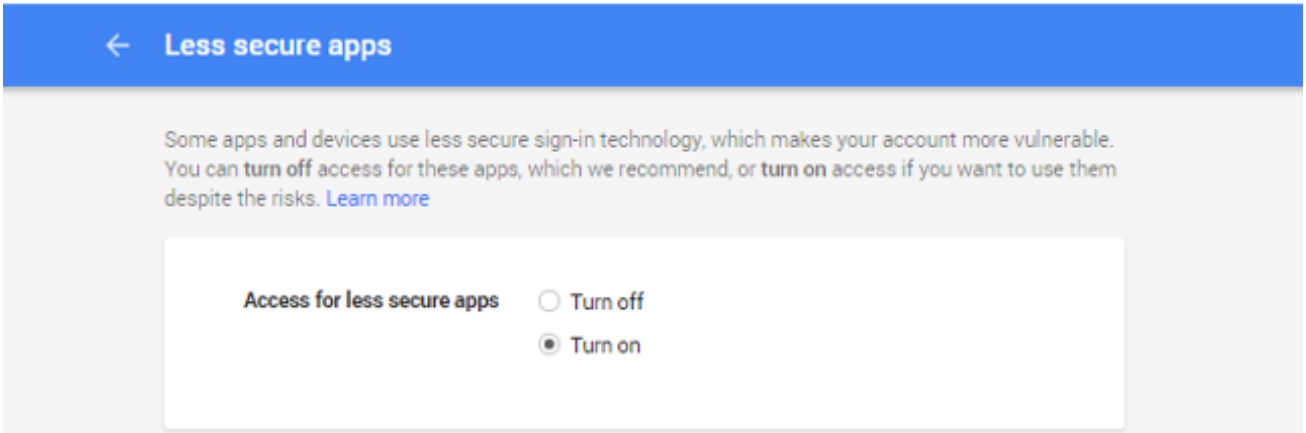
You received this mandatory email service announcement to update you about important changes to your Google product or account.

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To enable access to the Gmail SMTP Server please take the following steps...

Accounts without two factor authentication

If you aren't using Google's two factor authentication (and you should be) then follow the link https://www.google.com/settings/security/lesssecureapps in the email and **turn on "Access for less secure apps':**



← Less secure apps

Some apps and devices use less secure sign-in technology, which makes your account more vulnerable. You can **turn off** access for these apps, which we recommend, or **turn on** access if you want to use them despite the risks. Learn more

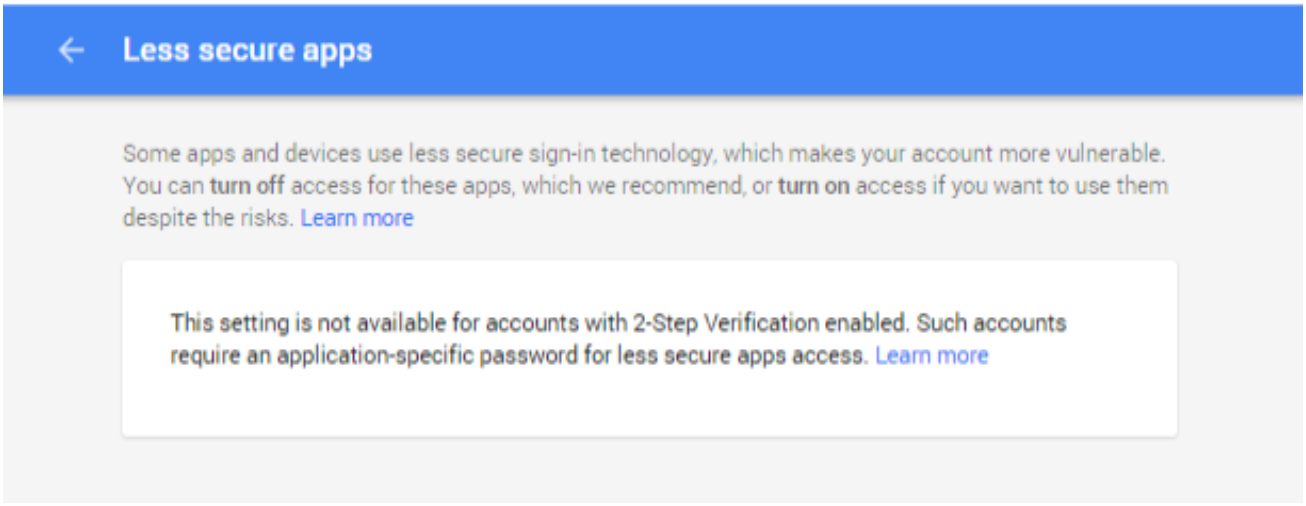
Access for less secure apps ○ Turn off
● Turn on

Emails can now be sent from Macrium Reflect using Gmail.

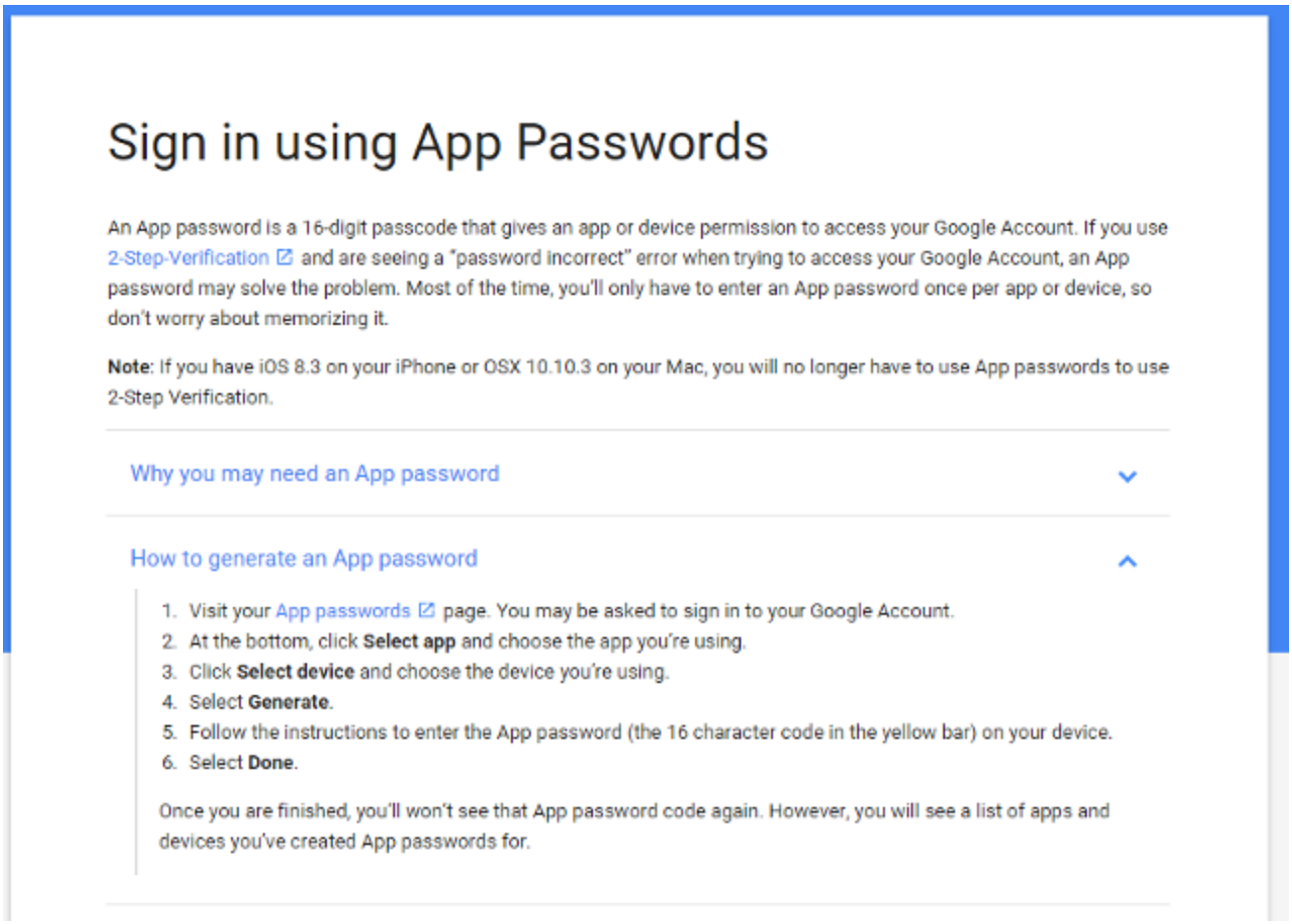
Accounts with two factor authentication

If you are using Google's two factor authentication (and you should be) then follow the link https://www.google.com/settings/security/lesssecureapps in the email**.**

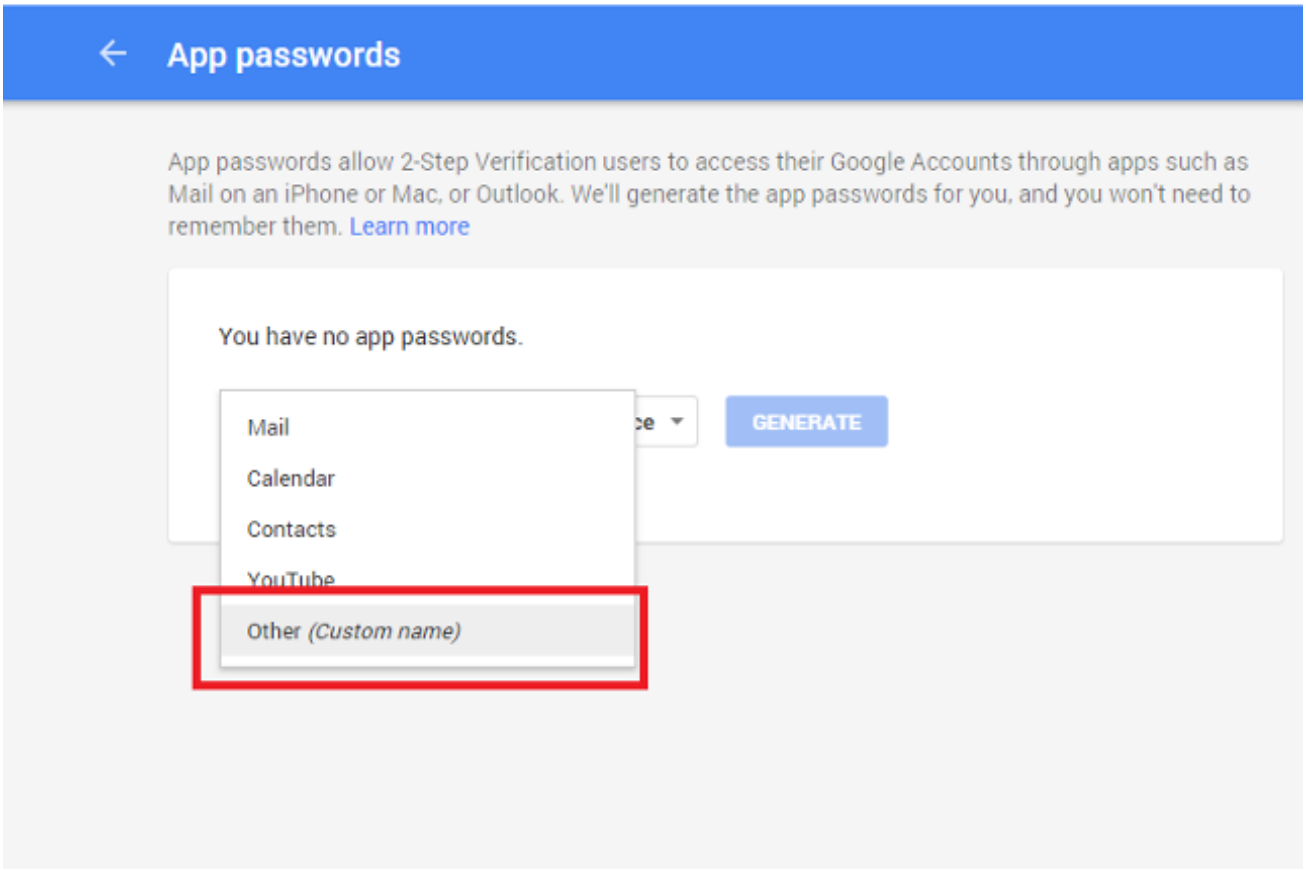
You will see the following page:



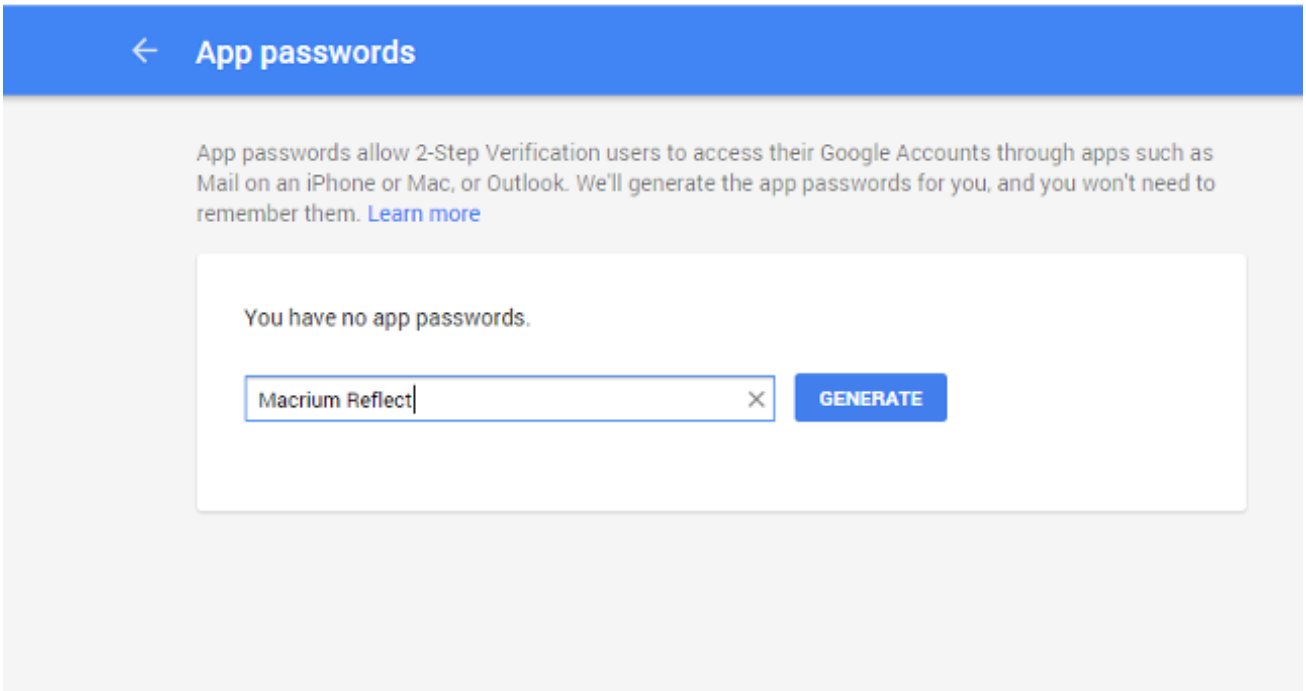
Click **'Learn More'** and then click **"How to generate an App password":**



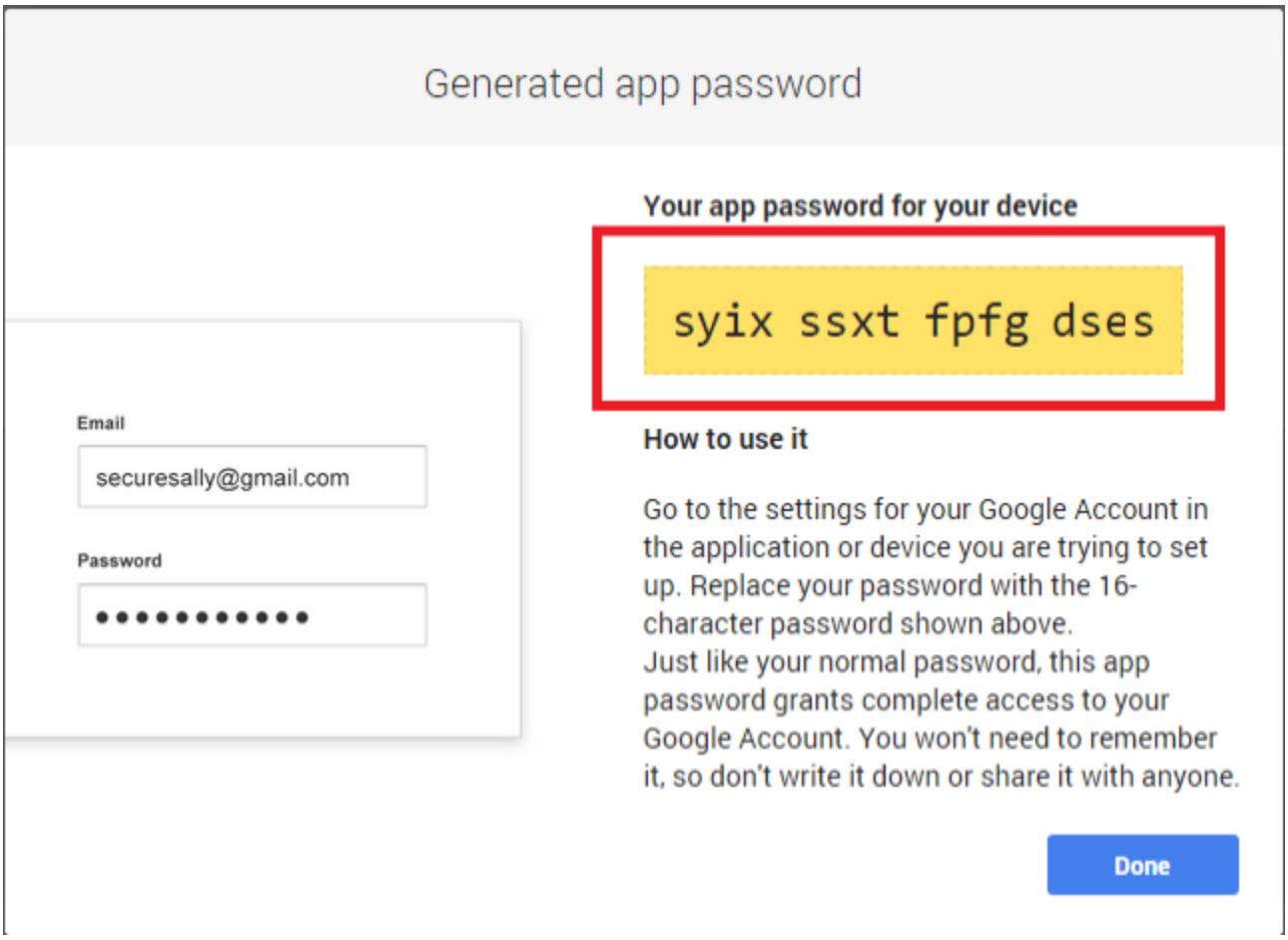
Click **'Visit your app password page'**



Select **'Other (Custom name)'** and Enter **'Macrium Reflect'**



Click **'Generate'**



Note: This is a one off password. You do not need to write it down or remember it.

Use **'Copy and Paste'** to copy the generated App Password to the **Macrium Reflect SMTP Password field**. Leave all other fields unchanged including the SMTP user name.

Click **'Done'** and **you can now use Macrium Reflect to send emails using Gmail.**

Additional Security

For additional security, if you don't want to grant applications access to your main Gmail account then consider setting up a new Gmail account that is just used for SMTP server access and doesn't receive other emails. You could **create an account called 'smtp.yourname@gmail.com'** and set the account to **'Auto-Forward'** any received emails to your main Gmail account. That way, unauthorized access to your 'smtp.yourname@gmail' account will have no access to your main account.

Gmail auto forward - https://support.google.com/mail/answer/10957?hl=en

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See Also:

Configuring e-mail notifications
Gmail two factor authentication