# **J**jamf

How to Use a Google Account with an App Password for a SMTP relay in Jamf Pro





We recommend that you integrate your Jamf Pro server with an SMTP (Simple Mail Transport Protocol) server. According to the Jamf Pro Administrator Guide, this allows you to do the following:

- Send email notifications to Jamf Pro users when certain events occur.
- Send enrollment invitations via email.
- Send mass emails to end users.

If your organization uses Google accounts (Gmail or G Suite) you can use Google's SMTP service at smtp.google.com as an SMTP relay (the Jamf Pro web admin interface refers to this as an SMTP server, but you may also see it referred to as an SMTP relay, because it relays mail from your Jamf Pro service to the SMTP service of the email recipient.

In general, we recommend that you consider deploying "2-Step Verification" for your Google accounts. But if you turn on 2-Step Verification, you need to perform some additional configuration in order to use Google as an SMTP relay for Jamf Pro. You'll create what Google calls an "app password" that allows Jamf Pro, which doesn't support 2-Step Verification, to use the Gmail SMTP server.

The additional configuration consists of:

- configuring your Google domain to use something called "less secure applications" (LSAs)
- configuring a specific Google account that uses 2-Step Verification to have an additional password that's used for a specific application, in this case, Jamf Pro.

Be aware that, there are some changes coming that will require "less secure applications" (LSAs) to use something called OAuth in order to use Google as an SMTP relay, but that's not until June 15, 2020 for accounts that haven't yet been configured to use LSAs. And after February 15, 2021, "Access to LSAs will be turned off for all G Suite accounts," according to Google.

https://gsuiteupdates.googleblog.com/2019/12/less-secure-apps-oauth-google-username-password-incorrect.html

For more information, see Google's support article, "Send email from a printer, scanner, or app," at https://support.google.com/a/answer/176600 in the "Gmail SMTP server" option.

Configure your Google domain to use "less secure applications"

1. Log in to your Google Admin portal at https://admin.google.com.



2. Select Security.





# 3. Select Less Secure Apps.

≡ Google Admin	Q Search for users, groups, and settings (e.g. cannot login)	8	?	
Security				:
	Activity Rules Configure rules to monitor and take action to resolve security issues.			
	Data protection Confidently secure your sensitive data from being leaked to unauthorized parties, and manage third-party app access to your Google Services.			
	Password management			
	Configure password policies.			
	Less secure apps Configure policies to manage access to less-secure apps.			
	Account Recovery Configure account recovery policies.			
	Password monitoring Monitor the password strength by user.			
	Login challenges	-		

4. If the option "Allow users to manage their access to less secure apps" is not already selected, select the radio button "Allow users to manage their access to less secure apps," then click Save.

≡ Google Admin	Q Sea			8 ?	III 🚱
Security > Less Secure Apps					
Security Settings		Showing settings for us	iers in hosonline.us		
Users	~	Less Secure Apps			^
Groups	~	Less secure apps Applied at 'hcsonline.us'	Control user access to apps that use less secure sign-in technology and make accounts more vulnerable. Learn more		
Organizational Units	^		O Disable access to less secure apps (Recommended)		
Search for organizational units			Allow users to manage their access to less secure apps		
✓ hcsonline.us			Changes may take up to 24 hours to propagate to all users.     Prior changes can be seen in Audit log		
				CANCEL	SAVE



# Configure an account to use a less secure password for your Jamf Pro server to use for SMTP.

1. Log in to your Google account at https://myaccount.google.com.



### 2. In the sidebar, click Security.

Google Account	Q Search Google Account	0	***	A		
Home           Home           Home	Security Settings and recommendations to help you keep your account secure					
Data & personalization	Security issues found					
Security	Protect your account now by resolving these issues	****				

3. Confirm that "2-Step Verification" is displayed in the "Signing in to Google" section. If you haven't yet turned on 2-Step Verification for your Google account, turn it on now using the steps outlined here: https://support.google.com/accounts/answer/185839?hl=en&ref\_topic=2954345

Password	Last changed Oct 2, 2018	>
2-Step Verification	🤣 On	>

4. Click "App passwords." If you recently enabled the "Less secure apps" option in step 4, you may need to wait up to 24 hours for your portal to display the "App passwords" option.

Password	Last changed Oct 2, 2018	>
2-Step Verification	📀 On	>
App passwords	None	>



- 5. Authenticate at the prompt.
- 6. From the "Select app" menu, chose Other (Custom name).

App pas	swords				
App passwords let yc Verification. You'll on	u sign in to your Google Accou ly need to enter it once so you	unt from apps on o don't need to rem	devices that don't ember it. <mark>Learn n</mark>	support 2-Step	
You don't have an Select the app an	y app passwords. d device you want to generate	the app passwor	d for.		
Select app	Select device	~			
Mail					
Calendar				GENERATE	
Contacts	_				
YouTube					
Other (Custom	name)				

7. Enter Jamf Pro, then click Generate.

< App passwords	
App passwords let you sign in to your Google Account from apps on devices t Verification. You'll only need to enter it once so you don't need to remember it	that don't support 2-Step . Learn more
You don't have any app passwords.	
Select the app and device you want to generate the app password for.	
Jamf Pro X	
	GENERATE



8. Your browser will display the generated app password only one time, so select the displayed password and copy it to your clipboard now.

elect the app and device you	want to generate the app password for.
Generated app passw	vord
	Your app password for your device
	zxsg aatn jrrg qwjq
	How to use it
Email securesally@gmail.com	Go to the settings for your Google Account in the application or device you are trying to set
Password	character password shown above.
•••••	Just like your normal password, this app password grants complete access to your Google Account. You won't need to remember it, so don't write it down or share it with anyone.
	DONE

You will not be able to view the app password after you click Done on this screen.

- 9. Click Done.
- 10. Confirm that your portal displays something similar to the following figure.

ification. You'll only r	need to enter it once so you do	n't need to remember it. L	earn more
Your app passwords	3		
Name	Created	Last used	
Jamf Pro	11:09 AM	_	Î
Select the app and o	device you want to generate th	e app password for.	
Select app	<ul> <li>Select device</li> </ul>	-	



### Configure Jamf Pro to use your newly-configured Google account

1. Use the following steps to configure the SMTP Server in Jamf Pro. a. In Jamf Pro, select Settings > System Settings > SMTP Server.

🗖 jamf   PRO						
Computers Devices Users	کریک All Settings	System Settings				
VERSION 10.19.0-11580394015	System Settings	Jamf Pro User Single Sign-	@ LDAP Servers	Cloud Identity	SMTP Server	Clustering
MANAGED Computers: <b>130</b>	Global Management	Accounts & On Groups		Providers		-
Mobile Devices: 0	Self Service		Ø		We'll be back.	
Computers: 0	Server Infrastructure	Change Apache Management Tomcat Settings	Limited Access	Log Flushing	Maintenance Pages	Engage

- b. Click Edit.
- c. Ensure that the checkbox for Enable SMTP Server is selected.
- d. In the Server field, enter *smtp.gmail.com*.
- e. In the Port field, enter **587**.
- f. In the Sender Email Address field, enter your G Suite E-mail address.
- g. Ensure that the checkbox for Requires Authentication is selected.
- h. In the Username field enter your G Suite Email address.
- i. In the Password field enter the app password that you copied in the previous section.
- j. In the Verify Password field enter the app password again

∎ jamf   PRO		<u> </u>	
aputers Devices Users	Settings : System Settings SMTP Server		
version 10.19.0-t1580394015	Integrate with an SMTP server     Integrate with an SMTP server to use for email communications		— c
MANAGED	Server And Port Hostname or IP address, and port number of the SMTP server		— a
Computers: 1	smtp.gmail.com	: 587	— e
JIMANAGED Jomputers: 1 Mobile Devices: 0	Encryption Protocol to use for data encryption  TLSv1.2  Connection Timeout Amount of time to wait before canceling an attempt to connect to the SMTP server  5 Seconds Sender Display Name Sender name to display in email messages sent from Jamf Pro Jamf Pro Server Sender Email Address SMTP account email address that Jamf Pro will send emails from Jamf-notifications@gnsil.com  Y Requires Authentication  SMTP account extended tables for an SMTP account		— f — g
	Username		
	jamf-notifications@gmail.com		<u> </u>
	Password		
			— i
	Verify Password		
		<del>;</del> .	— j



13. Click Save.



- 14. Click Test.
- 15. Enter a test e-mail address, then click Test.

🌌 jamf   PRO			
Computers Devices Users	Settings : System Settings SMTP Server Test		
VERSION 10.19.0-11580394015	Test SMTP Server Test your SMTP server settings by sending a test email to the address below Recipient		
MANAGED Computers: 1	info@hcsonline.com		
Mobile Devices: 0	Test		
UNMANAGED Computers: 1			
Mobile Devices: 0			

16. Confirm that Jamf Pro displays "A test message was successfully sent."

🗖 jamf   PRO		ম	
Computers Devices Users	settings : System Settings SMTP Server Test		
VERSION 10.19.0-11580394015 MANAGED Computers: 1 Mobile Devices: 0 UNMANAGED Computers: 1 Mobile Devices: 0	Test SMTP Server Test your SMTP server settings by sending a test email to the address below  Recipient Info@hcsonline.com  Test  A test message was successfully sent.		

17. Check the email for the test recipient and confirm that it received the test message.