jamf PRO

How to Configure Jamf Pro SMTP with Google Authentication



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Preface

Configuring Jamf Pro to use Google Authentication for SMTP enhances security, ensures compliance, and simplifies management, all while aligning with Google's modern authentication framework. It also future-proofs your organization's Jamf Pro setup and improves the reliability of email notifications. This is particularly beneficial for organizations heavily invested in the Google Workspace ecosystem.

This guide is designed to complement Jamf's documentation on Configuring the SMTP Server Settings for Google Authentication by offering a more visual, step-by-step approach. Please note that Google occasionally updates the names and locations of certain items, so your experience may differ slightly. For the most up-to-date information, refer to Jamf's official documentation at:

https://learn.jamf.com/en-US/bundle/technical-articles/page/Preparing a Google_Workspace_ for_Jamf_Pro_SMTP_Server_Integration.html

Requirements for This Guide:

- Ensure you have administrative privileges for the following systems and tools:
- Jamf Pro Server: Version 11.4 or later.
- A Google Workspace edition that includes Gmail services (i.e., Enterprise, Business, or Education)
- An email account associated with your Google Workspace, such as jamfalerts@yourdomain.com.



Section 1: Creating a project in Google Workspace.

What You'll Need:

Learn what hardware, software, and information you'll need to complete the tutorials in this section.

Hardware and Software:

Requirements for following along with this section:

Access to Google Workspace with administrative privileges

Configuring a project in Google for SMTP use in Jamf Pro is necessary when using Google Workspace as your email service provider. This is because Google enforces secure and modern authentication methods, such as OAuth 2.0, instead of traditional username and password authentication for SMTP.

In this section we will configure a project in Google Workspace to be used in Jamf Pro for SMTP.

1. Using a web browser of your choosing, log in to your Google Workspace account This guide will use Google Chrome.



- 2. Go to: https://developers.google.com/identity/oauth2/web/guides/get-google-api-clientid
- 3. Click Configure a project.

G Get your Google API client ID	× +		
\leftrightarrow \rightarrow C \bullet developers.google.c	:om/identity/oauth2/web/guides/get-google-api-clientid	℃ ☆	J :
Google recommends setting Chrome as	s default Set as default		×
Google Identity Authen	tication Authorization Credential management More Q. Search /	🖨 Language 👻 🚦	
Authorization			i
OAuth 2.0 Android Web G	ioogle Account Linking		Info
			Chat
∓ Filter	Home > Products > Google Identity > Authorization > Web	Was this helpful? 凸 勾	API
How user authorization works	Get your Google API client ID 🛛 🗉	Send feedback	
Load the Google 3P Authorization JavaScript Library Choose a user authorization model Use authorization code model Use implicit grant model Handle errors Migrate to Google identity Services JavaScript API Reference	Google Sign-In manages the OAuth 2.0 flow and token lifecycle, simplifying your integration with Google APIs. A option to revoke access to an application at any time. Before you can integrate Google 3P Authorization library into your website, you must create a client ID, which you Authorization API. To create a Google API Console project and client ID, click the following button: Configure a project When you configure the project, select the Web browser client type and specify the origin URI of your app. When both http://localhost.ard.ntbr://localhost.eront_number> must be added to the Authorized JavaScrip After configuration is complete, take note of the client ID that was created. You will need the client ID to complet client secret is also created, but you need it only for server-side operations.)	user always has the u need to call the 3P you perform tests, t origins field. te the next steps. (A	
	Was this helpful? 쇼 오파 Send feedback		

4. From the menu, click Create a new project (+).





- 5. Enter new project name: Jamf Pro SMTP
- 6. Click Next.

Google Identity Author	entication - Authorization - Credential management - More - Q. Search / 🖶 Language - 🤃	D
Authorization OAuth 2.0 Android Web	Google Account Linking	info
₹ Filter	Home > Products > Google Identity > Authorization > Web Wes this helpful7 位 CP	Chat Chat
How user authorization works Get your Google API client ID Loadt the Google 3P Authorization JavaScript Likrary Choose a user authorization model Use authorization code model Use authorization code model Handle errors Migrate to Google Identity Services	Get Send feedback Configure a project for 3P Authorization n Google APIs. A user always has the option to Jam Pro SMTP 5 Before yo Authorization Authorization 1 agree that my use of any services and related APIs is subject to compliance with the applicable literation of Service. To create I was not service and related APIs is subject to compliance with the applicable literation of Service.	
	Control When you both htt; BACK CANCEL NEXT MEXT sexized_lowsControl origins field After configuration is complete, take note of the client ID that was created. You will need the client ID to complete the next steps. (A client secret is also created, but you need it only for server-side operations.)	
	Was this helpfu? ක් දග	

- 7. Enter Jamf Pro.
- 8. Click Next.



- 9. Configure the following:
 - A. From the menu, select Web server
 - B. Authorized Redirect URI's: https://JAMF_PRO_URL.jamfcloud.com/view/settings/systemsettings/smtp-server (Replace JAMF_PRO_URL with your URL)
 - C. Click Create.

	Configure your OAuth client	
Α—	Web server	
	Authorized redirect URIs	
	This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address. You must use https for the scheme.	
	https://hcs.jamfcloud.com/view/settings/system-settings/smtp-server	
	CANCEL CREATE	•



10.Configure the following:

A. Click Download Client Configuration (This will download a file named **credentials.json** that we will need in section 2 of this guide)

В

B. Click the API Console link

	You're all set!		
	You're ready to start developing!		
Α —	DOWNLOAD CLIENT CONFIGURATION		
	Client ID		
	47505 ntfvv rcontent.com		
	Client Secret		
	GOC: opo	Ē	
	You can always manage your API credentials and usage later in the API	Console.	
		DONE	

- 11.Confirm a new tab opens to APIs & Services
- 12. Click Enable APIs And Services



- 13. In the search field, enter Gmail API
- 14. Press the Return key.

Welcome to the A The API Library has docume	PI Library
Q Gmail API	×

15.Click Gmail API.

2 re	esults		
	M	Gmail API Google Enterprise API 🔮 With the Gmail API, you can view and manage Gmail malibox data like threads, messages, and labels.	
	T	Gmail Postmaster Tools API Google	
		The Gmail Postmaster API is a RESTful API that provides programmatic access to email traffic metrics (li otherwise available through the Gmail Postmaster Tools UI currently.	.kı



16.Click Enable.



This completes this section. In the next section, we will configure SMTP settings in Jamf Pro.



Section 2: Configuring SMTP server settings in Jamf Pro

What You'll Need:

Learn what hardware, software, and information you'll need to complete the tutorials in this section.

Hardware and Software:

- Requirements for following along with this section: A Jamf Pro server with administrative privileges
 - Access to an email account

In this section we will configure the Jamf Pro server to use the Google Auth settings for SMTP.

1. Log into your Jamf pro server with administrative privileges.

	Pro	
Username		
1		
Required		
Password		
		Ø
Required		
	Log in	

- 2. Select Settings.
- 3. Enter smtp in the search field.
- 4. Click on SMTP server.

	Pro			\$ &
	👸 Dashboard		Settings	
	Computers	>		
	Devices	>	smtpl Crear 3	Display icons
	😤 Users	>		
2	③ Settings		All System Global Jamfapps Self Service Server Network Computer management Device management	User management
			System 1 result found for "smtp" SMTP server Integrate a server to allow Jamf Pro to send emails and Invitations	



5. Click Edit.

Settings : System		
Use the switch to enable or disable the connection.		
	() History	€ Edit

6. Open the credentials.json file located in your downloads folder. We will need the client_id and client_secret in the next step.





7. Configure the following: A. Enable SMTP

- B. Authentication Method: Google Auth
- C. Client ID: Copy the client_id from the credentials.json file. D. Client Secret: Copy the client_secret from the credentials.json file. Only copy the info between the double quotes
- E. Click "Add an email address via Google"

Use the swi	tch to enable or disable	e the connection.			과
Auther	ntication sett	ings			
Authenticati Google Au	ion method The method th	of authentication to use when	connecting to the SMTP	server	
Client ID 47505327 Required	01-0-0-0-0-0	Multiple Million of	erc		
Client secre	t		R		
Config	uration settir	ngs			
Email addre	il address SMTP accoun	nt email address that Jamf Pro Status	will send emails from	Default	
Add an em	ail address via Goog	gle. 🗗			

8. Select your Google account. This guide will select Jamf Alerts.

G Sign in with Google	
Choose an account	
to continue to jamfcloud.com	
	Jamf Alerts jamfalerts@hcsonline.us
	Keith Mitnick kmitnick@hcsonline.us



9. Click Continue.

G Sign in with Google			
Sign in to jamfcloud.com Jamf Alerts jamfalerts@hcsonline.us	By continuing, Google will share your name, email address, language preference, and profile picture with jamfcloud.com. See jamfcloud.com's Privacy Policy and Terms of Service. You can manage Sign in with Google in your Google Account.		
	Cancel Continue		

10. Click Allow.





- 11.Confirm the email address has been authenticated.
- 12.Click Save.

Use the switch to enable or disable	e the connection.		
Authentication sett	ings		
Authentication method The method	I of authentication to use when connecting to	the SMTP server	
Google Auth	~		
Client ID			
475053276375-ntfvv6cvlftn6u9p	o95si2t6ui8p6u063.apps.googleuser		
Required			
Client secret			
******	\$		
Configuration sotti	200		
conngulation setti	iga		
Sender email address SMTP accour	it email address that Jamf Pro will send emai	s trom	
Email address	Status	Default	
jamfalerts@hcsonline.us	 Authenticated 	۲	۵
Add or reauthenticate an emai	il address via Google. 🏹		

13.On the bottome-right, click Test.



- 14.Enter an email address that you have access to.
- 15.Click Test.

	Settings : System → SMTP server ← Test		
	Test SMTP Server Test your SMTP server settings by landing a test email to the address below Recipient Email address of the recipient		
14 —	kmitnick@hcsonline.com Required	Test	15

16.Confirm the email was sent successfully.

Settings : System > SMTP server ← Test		
Test SMTP Server	e address below	
Recipient Email address of the recipient		
kmitnick@hcsonline.com Required		Test
Success A test message was successfully sent.		



17.Confirm the email was delivered.

🗊 Delete 🖃 Archive	() Report $$	Co Move	☐ Flag	v
③ Summary by Copilot				Summarize
Jamf Pro: Test message			☺ 40 ~	$\leftarrow \ll \rightarrow$
JA S Jamf Alerts < To: S Keith Mitnie	jamfalerts@hcse ^{ck}	online.us	> Too	day at 8:47 PM
This is a test message from ye	our Jamf Pro server.			

This completes the guide.