

Nagios

Setting up Gmail SMTP with OAuth 2.0

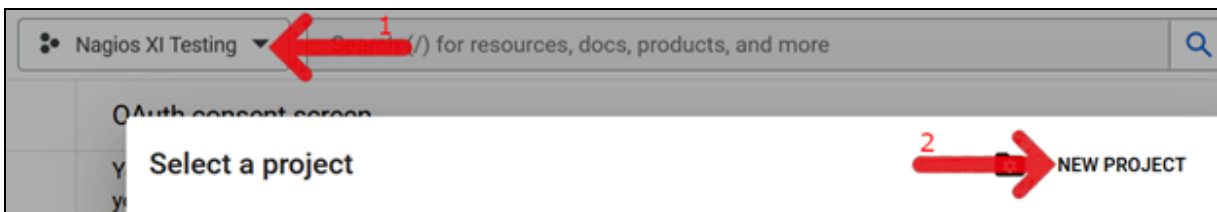
Requirements

- PHP Version 7.4+ - You can follow this to upgrade your PHP version:
<https://support.nagios.com/kb/article/nagios-xi-upgrading-to-php-7-860.html>
- Nagios XI Version 5.10 (this will not work for offline builds)
- A Google Cloud Account
- You either must have a FQDN for your XI server or be logged into your Nagios XI Server directly or through SSH as Google does not allow private IP redirect URIs

Create a Project

1. In the Google Cloud console, projects can be registered through several methods.

Method 1: Google Cloud Console – Projects (1) → New Project (2)

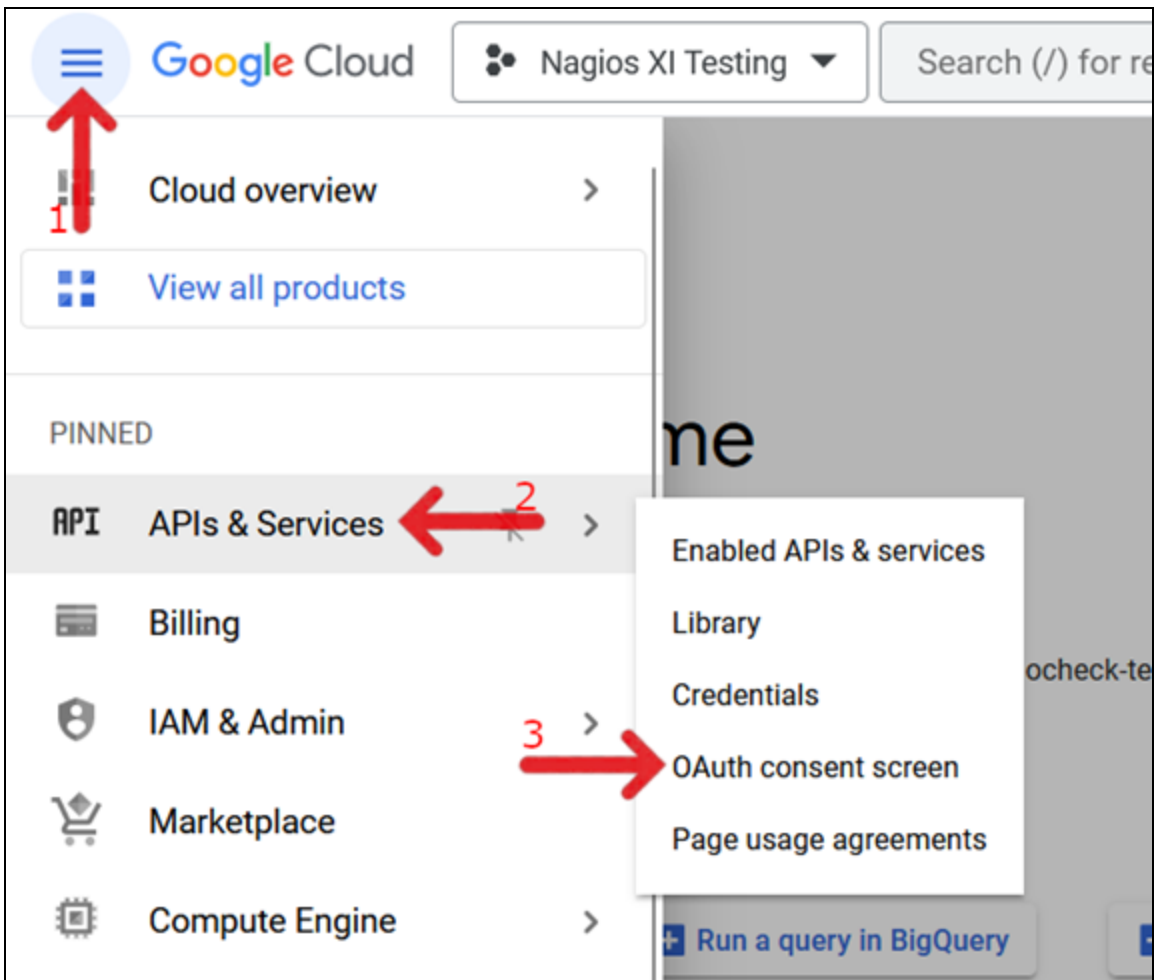


Name your project something like “Nagios GMail Sending”.

Method 2: Through APIs & Services

Menu – APIs & Services → OAuth consent screen

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Method 3: On your APIs & Registration – OAuth consent page, click **CREATE PROJECT**.



Name your project something related to Nagios XI – GMail Sending.

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OAuth consent screen

Choose how you want to configure and register your app, including your target users. You can only associate one app with your project.

User Type

Internal 

Only available to users within your organization. You will not need to submit your app for verification. [Learn more about user type](#)

External 

Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

CREATE



Note: If you are using an External User Type, we suggest leaving your API in testing mode as this limits the accounts that can access it to those who you've approved.

2. Save and Continue (No special scopes are necessary).
3. Test users – +ADD USERS – Enter the Gmail account that you are logged into the Google Cloud console with.

Test users

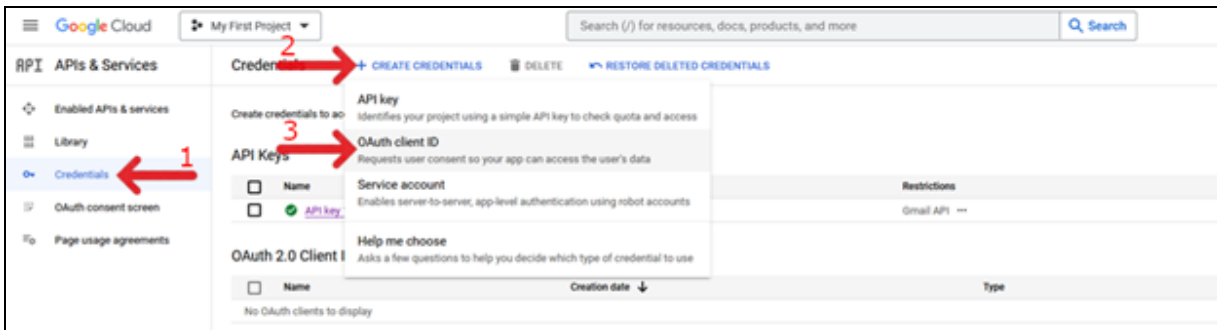
+ ADD USERS

4. Save and Continue.

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Nagios XI – Create OAuth Credentials

1. APIs & Services → Credentials (1) → + CREATE CREDENTIALS (2) → OAuth client ID (3).



2. Copy your Redirect URI from your Nagios XI – Admin – System Config – Email Settings page.



Note: Google doesn't allow private IP addresses, so even if you are using HTTPS (SSL/TLS), you will still have a localhost redirect URI unless you have a FQDN.

Redirect URI:

`http://localhost/nagiosxi/includes/components/oau`



3. Back in Google cloud, fill out the Create OAuth client ID page

- **Application Type:** Web Application
- **Name:** [something like “Nagios XI GMail Sending”]
- Authorized Redirect URIs → + ADD URI → paste the URI from your Nagios XI OAuth configuration page
- **CREATE**

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Google Cloud My First Project Search (/) for resources, docs, p

API APIs & Services

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information. [Learn more](#) about OAuth client types.

Application type *
Web application

Name *
Nagios XI

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

Authorized JavaScript origins

For use with requests from a browser

+ ADD URI

Authorized redirect URIs

For use with requests from a web server

URI

URIs 1 *
`https://localhost/nagiosxi/includes/components/oauth2/oauth-credentials.pl`

+ ADD URI

Note: It may take 5 minutes to a few hours for settings to take effect

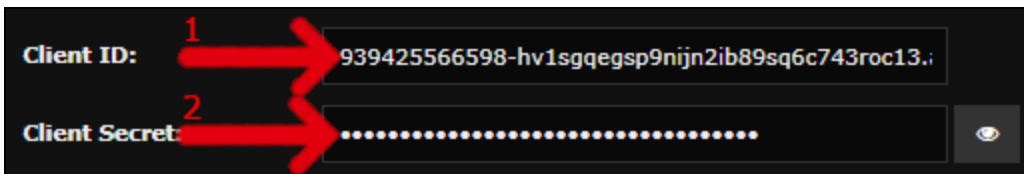
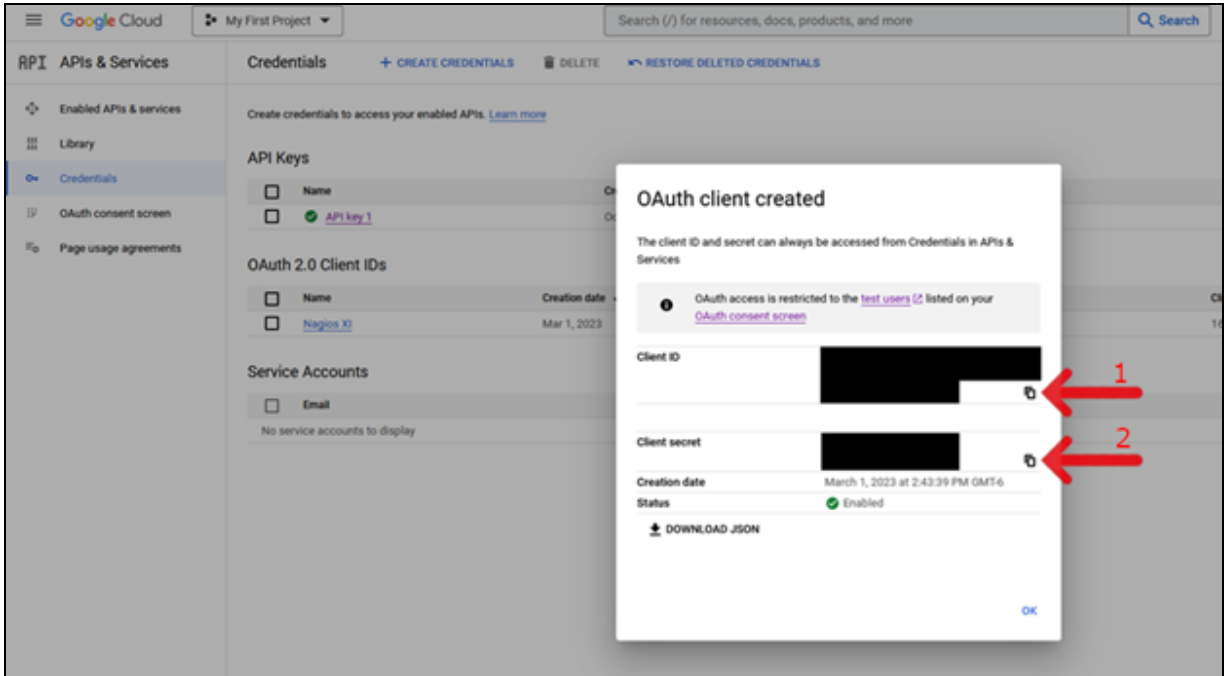
CREATE CANCEL

Nagios XI – Continue to OAuth verification

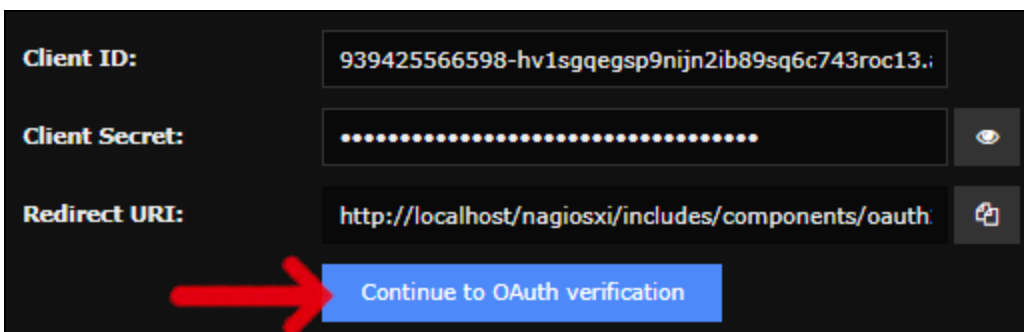
1. Copy the credentials from your Google Project to your Nagios XI OAuth configuration page.

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- Client ID (1)
- Client Secret (2)

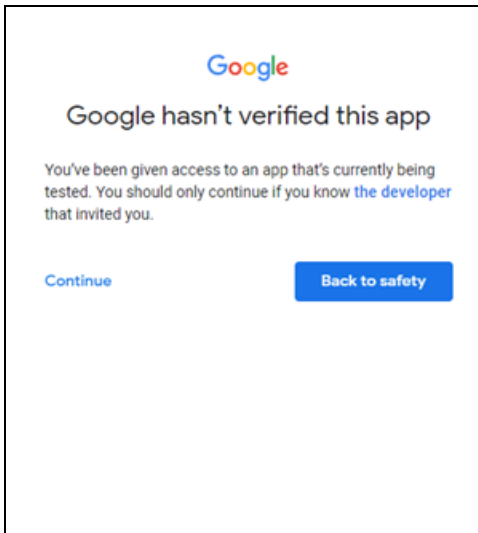


2. Continue to OAuth verification.







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3. You will be directed to the Google OAuth Sign-in page. Sign in with the account that you wish to send mail from (the Gmail account you used to create your credentials with).
4. Google will say that they haven't verified your app. You can verify that this is for your app by clicking the developer and verifying that it is the email you entered when you constructed the OAuth consent page.



5. Check the box allowing Nagios XI to Read, compose, send and permanently delete email.




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	Associate you with your personal info on Google	<input checked="" type="checkbox"/>
	See your personal info, including any personal info you've made publicly available	<input checked="" type="checkbox"/>
	See your primary Google Account email address	<input checked="" type="checkbox"/>
	Read, compose, send, and permanently delete all your email from Gmail. Learn more	<input checked="" type="checkbox"/>

6. Submit.

Once done, it will redirect you to the aforementioned redirect URI on your Nagios XI server, which will notify you that your OAuth2 has been configured and will close the page.

Now back on your Nagios XI Admin Email Settings page, you can check your refresh token status to verify that it succeeded. If it succeeded, your credentials have been saved.

Client ID:	<input "="" type="text" value="939425566598-hv1sgqegsp9nijn2ib89sq6c743roc13.:"/>
Client Secret:	<input type="password" value="....."/> 
Redirect URI:	<input type="text" value="http://localhost/nagiosxi/includes/components/oauth2/"/> 
<input type="button" value="Continue to OAuth verification"/>	
Refresh Token status:	<input type="button" value="?"/> <input type="button" value="↻"/> 

Refresh Token status:	<input checked="" type="checkbox"/>	<input type="button" value="↻"/>
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