For more details see how the SMTP Email Settings for Magento 2 extension works.

# Ultimate Guide for Magento 2 SMTP Email Settings

Send only reliable emails from a popular local hosting or a custom Magento 2 SMTP server. Run tests before emails dispatch to make sure that customers and partners receive all emails you send.

- Secure Magento 2 SMTP authentication and connection
- Pre-defined settings for popular email service providers
- Debug mode for email testing
- · Log all sent emails and view any message in detail
- Significantly decrease email rejection

ADD TO CART	GO TO EXTENSION PAGE

Explore our internal **Knowledge Base** to gain even more valuable insights and uncover answers to popular questions about the configuration and features of the Magento 2 SMTP Email Settings extension.

# **Extension Configuration**

To configure Magento 2 SMTP server, please go to **Stores** → **Configuration** → **SMTP Email Settings** 

## **General Settings**

General Settings

5		
Enable SMTP For E-mail [store view]	Yes	•
	When disabled, the extension has no impact on Magento e-mail sending routines.	
Log Outgoing Mail [store view]	Yes	•
	Makes it possible to see the list of all e-mails ever through Magento, including email contents.	sent
Enable Debug Mode [store view]	No	•
	When enabled, all debug information is logged. Recommended not to use on production sites.	
Disable E-mail Delivery [store view]	No	•

Set to "Yes" to not actually send e-mails. Useful when logging is enabled, for debug/development purposes.

**Enable SMTP For E-mail** - When set to 'No' this setting disables all features of the module including debug and emails log.

**Log Outgoing Mail** - Set this option to 'Yes' to log all emails sent from Magento. The feature enables you to view the list of the emails, including the contents at any time.

**Enable Debug Mode** - Debug information can help to set up emails dispatch. Please disable the debug option when emails sending works properly.

**Disable E-mail Delivery** - Set this option to 'No' to send out emails. When set to 'Yes', emails will not be sent. The system will 'pretend' that it is sending emails - the messages will still be added to the log and you will see all debug info. It's helpful for testing the system.

Get 14 additional detailed report types with the Magento 2 reports extension.

## **SMTP Basic Configuration**

#### **SMTP Configuration**

SMTP Provider [store view]	Gmail	•	Autofill
	Pre-defined SMTP providers		
Server Address [store view]	smtp.gmail.com		
	Either host name or IP address		
Port [store view]	465		
	Usually is 25, 587 or 465. Please consult wit	h your	service provider.
Authentication Method [store view]	Login/Password (Deprecated for Mi	crosof	īt) 🔻
Login [store view]	example@gmail.com		
Password [store view]	•••••		
Connection Security [store view]	SSL		•
Custom 'Reply To' [store view]	custom@test.com		
	Specify the email you want to use for receiv empty to receive replies to the original ema	ing rep il addro	lies. Leave it ess.
Send Test E-mail To [store view]	receiver@test.com		
	<ul> <li>Please save the configuration testing connection.</li> </ul>	1 befo	re
	Test Connection		

**SMTP Provider** - Choose your SMTP provider and click 'Autofill' to fill in some fields automatically. This way you can connect your Magento 2 store to Gmail SMTP. Select 'Other' if you own a server.

**Server Address** - Specify the hostname or IP address of the server.

**Port** - Define the port number.

Authentication Method - Set the required method:

• Authentication Not Required

- Login/Password (Deprecated for Microsoft)
- OAUTH2 Client ID (Google)
- OAUTH2 Service Account (Google)
- OAUTH2 Client ID (Microsoft)

#### For Login/Password

Login - Specify your login in this field.

**Password** - Define a password for your login.

#### For OAUTH2 Client ID (Google)

**Client Email**, **Client ID**, **Client Secret** and **Refresh Token** should be provided by Google. Read in this section how to get these credentials.

#### For OAUTH2 Service Account (Google)

**G-Suite User Email** - provide the email of a user who has access to the service account specified in the Service Email field. This email will be used for the authentication in Google.

Service Email - provide the email for SMTP configuration generated by Google.

**Service Account Credentials** - upload the credentials in the json format. Check ow to get the credentials in this section.

#### For OAUTH2 Client ID (Microsoft)

Sender Email - specify Azure AD username that will be used as sender in the emails.

**Client Secret** - insert the generated secret token in the *Certificates&secrets* section on the Azure application.

**Application (Client) ID** - provide the value from the *Essentials* section in the created Azure application.

**Directory (Tenant) ID** - the value is also specified in the *Essentials* section in the created Azure application.

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Explore the detailed configuration guide of the method in this section.

**Connection Security** - Specify the protocol used for secure communication (the field can be filled automatically).

**Custom 'Reply To'** - Enter the email address where you want to receive replies. Leave it empty to receive replies to the original email address.

**Use Another Email Sender** - Choose **Yes**, if you want to replace the sender email (the option is available only when the **SMTP Provider** is defined as "Other").

When Use Another Email Sender is set to Yes, two additional fields will appear: Sender Email and Sender Name.

**Sender Email** - Define a new sender email for which the original sender email will be changed.

Sender Name - Specify the name of a new sender.

**Send Test E-mail To** - Specify an email for the test and click the 'Check Connection' button to run a test and make sure that you filled in the correct data and the setup works well. As a result, you should get the 'Connection Successful' message and receive a test email.

# **OAuth 2.0 for Google Client ID**

To get credentials for setting up a new authentication method OAUTH2 Client ID (Google), first of all, log in to your Google account and go here.

You need to create a new project. To do this, click the **Select a project** dropdown and hit the **New Project** button.

Ultimate Guide for Magento 2 SMTP Email Settings

G	oogle Cloud Platform Select a project -	٩	>.	0	:
5		- U			1
	Select from NO ORGANIZATION -	NEW	PROJEC	т :	
8	Search projects and folders				]
	RECENT ALL				-
	Name	ID	)		-
	No organization	0			1
p Pr					I
٢					
Com					
Scala mach					> ras
		с	ANCEL	OPEN	
	Blog Downle	oad GCP	Mobile /	Арр	

Set project name, organization and location. Click  $\ensuremath{\textbf{Create}}$  .

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Choose a newly created project in the **Select a project** dropdown.

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Google Cloud Platform 

B No organization 0 Q Select from AMASTY.COM ÷ NEW PROJECT Q Search projects and folders ALL RECENT ID Name :-SMTP 2 smtp-304613 op F Ű Col Sca mag CANCEL OPEN Fndade Handy Links

Navigate to APIs & Services  $\rightarrow$  Library.

≡	Google Cloud Platforr	n a	I SMTP ▼
A	Home	>	OMMENDATIONS
	View all products		:
PINNE Pin yo	ED our top products here		•
Ŧ	Pins appear here 🛛 🖗	×	
MORE	PRODUCTS A		
	Marketplace		HIS PROJECT
	Billing		gs
API	APIs & Services	>	Enabled APIs & services
Ť	Support	>	Library
θ	IAM & Admin	>	Credentials
\$	Getting started		Domain verification
f,	Compliance		Page usage agreements
~			

Choose Gmail API.



Hit the **Enable** button.



Now you need to create credentials. Proceed to the appropriate tab.

≡	Google Cloud Platform	🗣 Export 👻		
API	APIs & Services	← API/Serv	vice Details	DISABLE
٠	Enabled APIs & services		Gmail A	PI
ш	Library		The Gmail API lets you view an labels.	
07	Credentials		By Google Enter	prise API
÷2	OAuth consent screen	Service name		Туре
	Domain verification	gmail.googleap	is.com	Public API
Ξ¢	Page usage agreements	METRICS	QUOTAS (	CREDENTIALS

Click Create Credentials.



Select the **client ID** credential type.

Credentials	+ CREATE CREDENTIALS TO DELETE			
Create credentials to acc	API key Identifies your project using a simple API key to check quota and access			
A Remember t	OAuth client ID Requests user consent so your app can access the user's data			
API Keys	Service account Enables server-to-server, app-level authentication using robot accounts			
Name	Help me choose			
No API keys to displa	Asks a few questions to help you decide which type of credential to use			

## OAuth 2.0 Client IDs

#### Hit the Configure Consent Screen button.



Select the Internal user type and click Create.

### 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.



Now fill in the required fields (App Name, User Support Email, Email Addresses), then Save and continue.

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Edit app registration

1 OAuth consent screen — 2 Scopes — 3 Summary

#### App information

This shows in the consent screen, and helps end users know who you are and contact you

App name * TestSMTP
The name of the app asking for consent
User support email *
For users to contact you with questions about their consent

#### App logo

BROWSE

Upload an image, not larger than 1MB on the consent screen that will help users recognize your app. Allowed image formats are JPG, PNG, and BMP. Logos should be square and 120px by 120px for the best results.

#### App domain

To protect you and your users, Google only allows apps using OAuth to use Authorized Domains. The following information will be shown to your users on the consent screen.

Application home page
Provide users a link to your home page
Application privacy policy link
Provide users a link to your public privacy policy
Application terms of service link
Provide users a link to your public terms of service
Authorized domains
Addionzed domains
When a domain is used on the consent screen or in an OAuth client's configuration, it must be pre-registered here. If your app needs to go through verification, please go to the <u>Google Search</u> <u>Console</u> to check if your domains are authorized. <u>Learn more</u> about the authorized domain limit
+ ADD DOMAIN
Developer contact information
Email addresses *
yola thomirovajjamatiji com O
These email addresses are for Google to notify you about any changes to your project.

SAVE AND CONTINUE

CANCEL



In the appeared pop-up, select all items and click **Update**.

Last update: 2024	/11/15 10:38	_magento_2:si	mtp-email-settings h	ttps://amasty.com/docs/doku.php?id=magento_2:smtp-email-setting
predit to explore G	× Update	e selected s	scopes	
p registratic	Only     API     APIs	r scopes for ena in the <u>Google A</u> s you enable fro	abled APIs are listed I <u>PI Library</u> or use the m the Library.	below. To add a missing scope to this screen, find and enable the Pasted Scopes text box below. Refresh the page to see any new
Auth consent s	Ţ Filter F	ilter table		0
	API	↑ Scop	e	User-facing description
es express the		/au	th/userinfo.email	View your email address
heir Google Ac		/au	th/userinfo.profile	See your personal info, including any personal info you've made publicly available
OD DEMOVE SO	Image: A start and a start	open	id	Associate you with your personal info on Google
OR REMOVE SC	Jene BigQ API	uery/au	th/bigquery	View and manage your data in Google BigQuery
	Jene BigQ API	uery/au	th/cloud-platform	View and manage your data across Google Cloud Platform services
non-sensitiv	Jene BigQ API	uery/au .read	th/bigquery only	View your data in Google BigQuery
↑ Sco rows to display	Jene BigQ API	uery/au .read	th/cloud-platform -only	View your data across Google Cloud Platform services
	Jene BigQ API	uery/au .full_	th/devstorage control	Manage your data and permissions in Google Cloud Storage
our sensitive	PigQ BigQ API	uery/au .read	th/devstorage _only	View your data in Google Cloud Storage
ve scopes are sc	Jene BigQ API	uery/au .read	th/devstorage _write	Manage your data in Google Cloud Storage
↑ Sco rows to display				Rows per page: 10 ▼ 1 - 10 of 40 < >
	Manually ad	dd scopes		
our restricted ted scopes are s	If the scopes yo new line or sepa click "Add to tab	u would like to arated by comm ile".	add do not appear in Ias. Please provide th	the table above, you can enter them here. Each scope should be on a he full scope string (beginning with "https://"). When you are finished,
↑ Sco				
ows to display				
AND CONTINUE	ADD TO TABL	E		
	UPDATE	-		

Save the changes.

## Edit app registration

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Sensitive scopes are scopes that request access to private user data.

API 🛧	Scope	User-facing description
BigQuery API	/auth/bigquery	View and manage your data in Google BigQuery
BigQuery API	/auth/cloud- platform	View and manage your data across Google Cloud Platform services
BigQuery API	/auth/bigquery .readonly	View your data in Google 👘 💼
BigQuery API	/auth/cloud- platform.read- only	View your data across Google Cloud Platform services
BigQuery API	 ./auth/devstorage .full_control	Manage your data and permissions in Google Cloud Storage
BigQuery API	 ./auth/devstorage .read_only	View your data in Google 💼 Cloud Storage
BigQuery API	 ./auth/devstorage .read_write	Manage your data in Google Cloud Storage

## Your restricted scopes

Restricted scopes are scopes that request access to highly sensitive user data.



Go back to the dashboard.

## Scopes

API 🛧	Scope	User-facing description
	/auth/userinfo.email	View your email address
	/auth/userinfo.profile	See your personal info, including any personal info you've mad available
	openid	Associate you with your personal info on Google
BigQuery API	/auth/bigquery	View and manage your data in Google BigQuery
BigQuery API	/auth/cloud-platform	View and manage your data across Google Cloud Platform se
BigQuery API	/auth/bigquery.readonly	View your data in Google BigQuery
BigQuery API	/auth/cloud-platform.read- only	View your data across Google Cloud Platform services
BigQuery API	/auth/devstorage .full_control	Manage your data and permissions in Google Cloud Storage
BigQuery API	/auth/devstorage.read_only	View your data in Google Cloud Storage
BigQuery API	/auth/devstorage .read_write	Manage your data in Google Cloud Storage



Return to the **Credentials** section.



Once again hit the **Create Credentials** button and choose **OAuth Client ID**.

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atform	💲 SMTP 👻	Q Search products and
	Credentials	+ CREATE CREDENTIALS
	Create credentials to ac	API key Identifies your project using a simple API key to check quota and access
	API Keys	OAuth client ID Requests user consent so your app can access the user's data
	No API keys to displa	Service account Enables server-to-server, app-level authentication using robot accounts
	OAuth 2.0 Clie	Help me choose Asks a few questions to help you decide which type of credential to use
	Name	Creation date 🗸
	No OAuth clients to dis	splay
	Service Accou	nts
	Email	
	No service accounts to	o display

Specify **Application type, Name** and **Authorized redirect URLs** (for tests we used the following one: https://developers.google.com/oauthplayground).

Iformation.
Application type *
Learn more about OAuth client types
Name *
Web client 1
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.
uthorized JavaScript origins 🛛 😧
or use with requests from a browser
Authorized JavaScript origins  Or use with requests from a browser  ADD URI
Authorized JavaScript origins ② or use with requests from a browser + ADD URI Authorized redirect URIs ②
Authorized JavaScript origins (2) or use with requests from a browser + ADD URI Authorized redirect URIs (2) or use with requests from a web server
Authorized JavaScript origins (2) or use with requests from a browser + ADD URI Authorized redirect URIs (2) or use with requests from a web server
Authorized JavaScript origins (2) or use with requests from a browser + ADD URI Authorized redirect URIs (2) or use with requests from a web server RIS https://developers.google.com/oauthplayground

Your  $\ensuremath{\textbf{Client ID}}$  and  $\ensuremath{\textbf{Client Secret}}$  have been generated. Copy them.

		_
Creat	OAuth client created	
	The client ID and secret can always be accessed from Credentials in APIs & Services	
eation date 🔸	OAuth access is restricted to users within your organization	Client ID
b 12, 2021	unless the <u>OAuth consent screen</u> is published and verified.	15661285
	Your Client ID	
	Your Client Secret	_
_	12ws./x1-#2#FbHsxC02reQcW	
	ок	

Now go to the specified in the settings URL - https://developers.google.com/oauthplayground/. Open the settings, hit the **Use your own OAuth credentials** checkbox and paste the copied values.

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×	© ••• \$
	OAuth 2.0 configuration
uld like to access or input your own uthorize APIs" button.	OAuth flow: Server-side ≑ OAuth endpoints: Google 🌩
PI v1	Authorization endpoint:       https://accounts.google.com/o/oauth2/v2/aut         Token endpoint:       https://oauth2.googleapis.com/token
	Access token location: Authorization header w/ Bearer prefix  Access type: Offline
	Force prompt:       Consent Screen         Image: Screen       Image: Screen         Image: Scree
	OAuth Client ID: Client ID OAuth Client secret: Client secret
	Note: Your credentials will be sent to our server as we need to proxy the request. Your credentials will not be logged.

In the list of methods, find the **Gmail API v1** and select https://mail.google.com/.



#### Then click **Authorize APIs**.

Choose the required Google account and hit Allow in the next window.

G	Sign	in with Google	
		Choose an account to continue to TestSMTP	
	0	Nadia Tituaretena pala Universita agamente com	
	0	Use another account	

On the appeared page, click the **Exchange Authorization code for tokens**.

Google Developers	
OAuth 2.0 Playground ×	
Step 1 Select & authorize APIs	Request / Response
Step 2 Exchange authorization code for tokens	HTTP/1.1 302 Found Location: https://accounts.googi
Once you got the Authorization Code from Step 1 click the Exchange authorization code for tokens button, you will get a refresh and an access token which is required to access OAuth protected resources.	ah4mmh5pvg75o4mb59icg758tj1sauv( GET /oauthplayground/?code=4/0A)
Authorization code:	Host: developers.google.com
Exchange authorization code for tokens	
Refresh token: Refresh token	
Access token: Access token Refresh access token	
Auto-refresh the token before it expires.	
Note: The OAuth Playground will automatically revoke refresh tokens after 24h. You can avoid this by specifying your own application OAuth credentials using the Configuration panel.	

Thus, you get the **Refresh Token**. Copy it.

Google Developers	
OAuth 2.0 Playground ×	
Step 1 Select & authorize APIs	Request / Response
Step 2 Exchange authorization code for tokens	POST /token HTTP/1.1 Host: oauth2.googleapis.com
Once you got the Authorization Code from Step 1 click the Exchange authorization code for tokens button, you will get a refresh and an access token which is required to access OAuth protected resources.	Content-length: 306 content-type: application/x-www- user-agent: google-oauth-playgro
Authorization code:	code=4%2F0AY0e-g4bzORmh80GsKsE∨( ah4mmh5pvg75o4mb59icg758tj1sau√
Exchange authorization code for tokens	HTTP/1.1 200 OK Content-length: 415 X-Yrs-protection: 0
Refresh token:	X-content-type-options: nosniff Transfer-encoding: chunked Expires: Mon. 01 Jan 1990 00:00:
Access token: Refresh access token	Vary: Origin, X-Origin, Referer Server: scaffolding on HTTPServe
Auto-refresh the token before it expires.	Pragma: no-cache
The access token will expire in 3553 seconds.	Date: Fri, 12 Feb 2021 15:50:45 X-frame-options: SAMEORIGIN
Note: The OAuth Playground will automatically revoke refresh tokens after 24h. You can avoid this by specifying your own application OAuth credentials using the Configuration panel.	Alt-svc: h3-29=":443"; ma=25920 Content-type: application/json;
	<pre>i "access_token": "ya29.a0AfH6S/ "scope": "https://mail.google "token_type": "Bearer", "expires_in": 3599, "refresh_token": "1//04Qei_U1/ }</pre>

Now you have all credentials and may configure the extension.

Choose the OAUTH2 Client ID (Google) authorization method and fill in the data you got.

#### **SMTP** Configuration

SMTP Provider [store view]	Gmail	•	Autofill
	Pre-defined SMTP providers		
Server Address [store view]	smtp.gmail.com		
	Either host name or IP address		
Port [store view]	465		
	Usually is 25, 587 or 465. Please consult with your se	ervice	provider.
Authentication Method [store view]	OAUTH2 Client ID (Google)		•
Client Email	example@mail.com		
Elonal	Client Email who granted access to google app.		
Client ID [global]	156612856221-al-knowl-Sprg75o-km858rg	/58g	tsauv0.apps.
Client Secret [global]			
Refresh Token [global]			
Connection Security [store view]	SSL		•
Send Test E-mail To [store view]	receiver@test.com		
	Save and Check Connection		

Save and test the connection.

# **OAuth 2.0 for Google Service Account**

Service accounts only works for G-Suite users, it doesn't work for personal Gmail accounts. It means that any Google user can create a service account, but the G-Suite administrator has to authorize it in G-Suite Admin Console to access the user mailbox.

To get the credentials, go to Google Developers Console.

Create a new project as described for the client ID configuration.

If ready, open this project and proceed to **Credentials**  $\rightarrow$  **Manage service accounts**.

Google Cloud Platform	🖫 My Project 94077 👻 🤉 🔍 🔁 🤋 🕦 🗄
APIs & Services	Credentials + CREATE CREDENTIALS TO DELETE
Dashboard	Create credentials to access your enabled APIs. Learn more
Library	Remember to configure the OAuth consent screen with
Credentials	information about your application.
OAuth consent screen	CONFIGURE CONSENT SCREEN
Domain verification	API Keys
Page usage agreements	□ Name Creation date ↓ Restrictions Key
	No API keys to display
	▲
	OAuth 2.0 Client IDs
	□ Name Creation date ↓ Type Client ID
	No OAuth clients to display
	4
	Service Accounts
	Email Name 个
	No service accounts to display

Hit the Create Service Account button.

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Service accounts	+ CREATE SERVICE ACCOUNT		:	SHOWI	NFO PA	NEL
	1					

# Service accounts for project "My Project 94077"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. Learn more about service accounts.

Organization policies can be used to secure service accounts and block risky service account features, such as automatic IAM Grants, key creation/upload, or the creation of service accounts entirely. Learn more about service account organization policies.



Provide Service account name and Service account ID. Click Create and continue.

ſ	Service account name
L	Display name for this service account
[	Service account ID * X C
E	mail address: my-service@export-318409.iam.gserviceaccount.com
ſ	Service account description
	Describe what this service account will do
C	CREATE AND CONTINUE
G (	Grant this service account access to project optional)

Select a role - **Owner**.

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## Create service account



Then you can click **Done** without the changes.

Now the account is created. Navigate to Service Accounts and open the newly created account.

0	IAM & Admin	Service accounts
+ <u>e</u>	IAM	Service accounts for project "Export"
Θ	Identity & Organization	A service account represents a Google Cloud service identity, s Compute Engine VMs, App Engine apps, or systems running ou
3	Policy Troubleshooter	about service accounts.
	Policy Analyzer	Organization policies can be used to secure service accounts a features, such as automatic IAM Grants, key creation/upload, o accounts entirely. Learn more about service account organizati
	Organization Policies	
연	Service Accounts	<b>Filter</b> Enter property name or value
	Workload Identity Federat	Email Status
•	Labels	Image: Second state     Image: Second state     Image: Second state     Image: Second state       Image: Second state     Image: Second state     Image: Second state     Image: Second state
	Tags	→ I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
۵	Settings	
0	Privacy & Security	
8	Identity-Aware Proxy	

Proceed to the **Keys** section.

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#### Click Add Key → Create new key.

← my-service					
DETAILS	PERMISSIONS	KEYS	METRICS	LOGS	

## Keys

A

Service account keys could pose a security risk if compromised. We recommend you avoid authenticate service accounts on Google Cloud <u>here</u>.

Add a new key pair or upload a public key certificate from an existing key pair.

Block service account key creation using <u>organization policies</u>. Learn more about setting organization policies for service accounts



Choose JSON type.

Cr	reate private key for "my-service"	d us
Dov can	wnloads a file that contains the private key. Store the file securely because this key n't be recovered if lost.	
Key	type	
$oldsymbol{O}$	JSON	
	Recommended	
Ο	P12	
	For backward compatibility with code using the P12 format	
	CANCEL CREATE	

After this, you will automatically get a JSON file with the keys downloaded. Now go back to the admin panel and fill in the following information:

**G-Suite User Email** - insert the email of the account on which the service account was created.

Service Email - paste the email from the service account.

You can find this email here:

## Service account details



Service Account Credentials - upload the JSON file with the keys.

#### SMTP Configuration

SMTP Provider [store view]	Gmail    Autofill
	Pre-defined SMTP providers
Server Address	smtp.gmail.com
[]	Either host name or IP address
Port	465
[store view]	Usually is 25, 587 or 465. Please consult with your service provider.
Authentication Method [store view]	OAUTH2 Service Account (Google)
G-Suite User Email [global]	example@gmail.com
Service Email	my-service@export-318409.iam.gservice
-5 -	Delegated email address to google service account.
Service Account Credentials [global]	Choose File export-318436c06f5.json
Connection Security [store view]	SSL

Done! Test the connection to make sure everything is correct.

#### How to replace an email sender?

Changing of email sender will help you to avoid email overflowing: the Magento store email addresses you usually use won't be shown to customers - they will see another sender email instead.

**Note!** The option, that allows you to change the email sender, is available only if you have your own SMTP server.

Complete two easy steps to replace the sender's email:

Step 1. Specify the value Other in the field SMTP Provider .

#### **SMTP** Configuration

SMTP Provider	- Other -	•	Autofill
[store view]	Pre-defined SMTP providers		
Server Address	smtp.yourdomain.com		
[store view]	Either host name or IP address		

Step 2. Set the option **Use another Email Sender** to **Yes**, then specify the **Sender Email** and the **Sender Name** fields. You can use either an existing email or a fake one.

Port	465
[store view]	Usually is 25, 587 or 465. Please consult with your service provider.
Authentication Method [store view]	Login/Password •
Login [store view]	example@yourdomain.com
Password [store view]	•••••
Connection Security [store view]	SSL
Use Another Email Sender	Yes 💌
[sore new]	Be carefull Use Sender with the same domain from where you send mail. Otherwise, your mail server can get into the ban because of spam.
Sender Email [store view]	example-2@yourdomain.com
Sender Name [store view]	Ben Curtis
Send Test E-mail To [store view]	Save and Check Connection

Make sure, you use the same domain, from which you send the mails. If the domains will differ, your mail will be considered as spam and your mail server will get into the ban.

# **OAUTH2 Client ID (Microsoft)**

To enable Microsoft two-factor authentication, you need to create and configure an Azure App and fill in the appropriate fields in the module.

You can find Microsoft documentation here.

## **Azure App Configuration**

To create an app, go to the Azure home page and select **All Services**.



Then proceed to the **Azure Active Directory**.

# All services



Click the **Add** dropdown and choose the **App registration** option.

All services >			
MSFT   Overview     Azure Active Directory			
	~	+ Add $\vee$ 🐼 Manage te	nants [ What's new
i Overview	Ê	User	
💀 Preview features			pler, integrated experience
× Diagnose and solve problems		Group	he new Microsoft Entra adı
		Enterprise application	
Manage		App registration	Properties Tutorials
🚨 Users		Appregistration	
A Groups		♀ Search your tenant	
External Identities		Basic information	
Roles and administrators			

Next, specify the application name and choose access options for the application API. In this step, leave the **Redirect URI** parameter unchanged (it will be configured later) and click **Register**.

Х

All services > MSFT | Overview >

# Register an application

#### \* Name

The user-facing display name for this application (this can be changed later).

#### Supported account types

Who can use this application or access this API?

- Accounts in this organizational directory only (MSFT only Single tenant)
- Accounts in any organizational directory (Any Azure AD directory Multitenant)
- Accounts in any organizational directory (Any Azure AD directory Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

Personal Microsoft accounts only

Help me choose...

#### Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Select a platform

e.g. https://example.com/auth

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from Enterprise applications.

By proceeding, you agree to the Microsoft Platform Policies 🗗

 $\sim$ 



After the registration, you'll get to the application home page. Here you can find the **Application** (client) ID and Directory (tenant) ID required for the SMTP configuration.

## <u>a</u>masty

<u> </u> Delete 🕀 Endpoints	Preview features
Display name	: <u>Amasty SMTP</u>
Application (client) ID	90dx5d73-4d8x-48k1-ac03-28kd496175aa
Object ID	: 5843c649-add0-437o-87c8-85eeddb66145
Directory (tenant) ID	a79x1076-0x8e-4x78-9518-ax70x05x0470
Supported account type	s : <u>Multiple organizations</u>
• Welcome to the new	w and improved App registrations. Looking to learn how it's changed from App reg
Starting June 30th, feature updates. Ap	2020 we will no longer add any new features to Azure Active Directory Authenticati plications will need to be upgraded to Microsoft Authentication Library (MSAL) and

Next, you need to generate a **Client Secret** key. Navigate to the **Certificates & Secrets** section and click **New client secret**.

45/65

#### All services > Amasty SMTP Amasty SMTP | Certificates & secrets \$ Got feedback? 🔎 Search $\ll$ Overview Credentials enable confidential applications to identify the Quickstart when receiving tokens at a web addressable location (usin Integration assistant of assurance, we recommend using a certificate (instead o Manage Application registration certificates, secrets and federat Branding & properties tabs below. Authentication Certificates & secrets Certificates (0) Federated cn Client secrets (0) Token configuration A secret string that the application uses to prove its iden API permissions be referred to as application password. Expose an API **~** + New client secret App roles Description Expires Value ( Owners No client secrets have been created for this application. . Roles and administrators

Enter the description for internal usage and choose the expiration date (or leave it unchanged). Hit the **Add** button.

	Add a client secret		×
ecrets 🛷			
	Description	SMTP	
k?	Expires	Recommended: 6 months	$\sim$
e confidential applic on (using an HTTPS ntial.			
registration certificat			
Client secrets			
at the application ι			
secret			
have been created			
	Add Cancel		

Be sure to copy the **Value** of the Secret Key, because after reloading the page it disappears and it becomes impossible to get the value. This key is obligatory for the SMTP settings.



The next step is to set up API access. Go to **API permissions**  $\rightarrow$  **Add a permission**.



Choose Microsoft Graph.



Then click the **Delegated permissions** option.

	Request API permissions	
	<ul> <li>✓ All APIs</li> <li>Microsoft Graph https://graph.microsoft.com/ Docs ♂</li> <li>What type of permissions does your application require?</li> </ul>	
newly registered r	<b>Delegated permissions</b> Your application needs to access the API as the signed-in user.	Application pe Your applicatio signed-in user.
However, user c		
Here you can see	e the list of permissions. Please, choose the following ones:	

openid offline\_access SMTP.Send User.Read

Permission	Adm	nin

 $\checkmark$  OpenId permissions (2)

	email (i) View users' email address	No
<u>~</u>	offline_access () Maintain access to data you have given it access to	No
<u>~</u>	openid ① Sign users in	No
	profile (i) View users' basic profile	No

$\sim$ s	SMTP (1)	
	SMTP.Send ① Send emails from mailboxes using SMTP AUTH.	No
∨ Us	er (1)	
	User.Export.All (i) Export user's data	Yes
	User.Invite.All (i) Invite guest users to the organization	Yes
	User.Manageldentities.All (i) Manage user identities	Yes
<u>~</u>	User.Read ① Sign in and read user profile	No
	User.Read.All (i) Read all users' full profiles	Yes
	User.ReadBasic.All () Read all users' basic profiles	No
	User.ReadWrite () Read and write access to user profile	No
	User.ReadWrite.All ① Read and write all users' full profiles	Yes

Click Add permissions and check the correctness.

## Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of tl all the permissions the application needs. Learn more about permissions and consent

+ Add a permission 🗸 Grant admin consent for MSFT

API / Permissions name	Туре	Description
✓ Microsoft Graph (4)		
offline_access	Delegated	Maintain access to data you have given it access to
openid	Delegated	Sign users in
SMTP.Send	Delegated	Send emails from mailboxes using SMTP AUTH.
User.Read	Delegated	Sign in and read user profile

Now we can set up the "Redirect URI" for our Magento website, where the replies from Microsoft will be sent. Go to **Authentication**  $\rightarrow$  **Add a platform**:





---

:hentication 🛷 ·	Configure platforms	
🔗 Got feedback?	Web applications	
Platform configuration Depending on the platform redirect URIs, specific auther + Add a platform	Web Build, host, and deploy a web server applicationNET, Java, Python	Single-page app Configure browser client and progressive web app Javascript.
	Mobile and desktop applications	
Supported account t Who can use this application Accounts in this organiz Accounts in any organiz	iOS / macOS Objective-C, Swift, Xamarin	<b>Java, Kotlin, Xamarin</b>
Help me decide		

-

Next, specify the **Redirect URL** in the following format:

https://\*your\_magento\_url\*/amasty\_smtp/oauth/callback

C All plation is	Qui	ckstart	D
* Redirect URIs			
The URIs we will acc after successfully au request to the login more about Redired	ept as destinations when returning authentication respon thenticating or signing out users. The redirect URI you se server should match one listed here. Also referred to as r t URIs and their restrictions	nses (toke nd in the reply URLs	ns
https://your_mage	ento_url/amasty_smtp/oauth/callback		
Front-channel lo	agout URL		
This is where we ser required for single s	nd a request to have the application clear the user's session ign-out to work correctly.	on data. Ti	hi
e.g. https://examp	le.com/logout		
Implicit grant ar Request a token din architecture (SPA) a JavaScript, select bo web apps that use h	nd hybrid flows ectly from the authorization endpoint. If the application h nd doesn't use the authorization code flow, or if it invokes of haccess tokens and ID tokens. For ASP.NET Core web ap nybrid authentication, select only ID tokens. Learn more al	as a single s a web A ops and o bout toke	e- Pl
Select the tokens yo	ou would like to be issued by the authorization endpoint:		
Access tokens	(used for implicit flows)		
ID tokens (used	for implicit and hybrid flows)		

Click **Configure**. If you need to specify several Redirect URLs for one application, you can add one more URL:

# Platform configurations

Depending on the platform or device this application is targeting, additional configuration may be redirect URIs, specific authentication settings, or fields specific to the platform.

## + Add a platform

^	Web
	Redirect URIs
	The URIs we will accept as destinations when returning authentication responses (tokens) after succ send in the request to the login server should match one listed here. Also referred to as reply URLs.
	https://your_magento_url/amasty_smtp/oauth/callback
	Add URI

## **Extension Configuration**

Insert the Client Secret you've copied (the Value field from the Certificates & Secrets tab).

Paste the values of the Application (Client) ID and Directory (Tenant) ID from the Overview tab.

Authentication Method [store view]	OAUTH2 Client ID (Microsoft)
Sender Email [global]	example@sf4m2.onmicrosoft.com
	Azure AD username that will be used as sender in the emails.
Client Secret [global]	•••••
	The generated secret token in the Certificates&secrets section on the Azure application.
Application (Client) ID [global]	90dx5d73-4d8a-46b1-ac03-28bd496178aa
	Value from the Essentials section in the created Azure application.
Directory (Tenant) ID [global]	a79d1576-5bfe-4c78-9516-ad72e05e3472
	Value from the Essentials section in the created Azure application.
Connection Security [store view]	SSL 🔹
Send Test E-mail To [store view]	recipient@test.com
	<ul> <li>Please save the configuration before testing connection.</li> </ul>
	Test Connection

## Sender Email Update

Please, note that you need to change **Sender Email** in the general configuration as well.

Navigate to Stores  $\rightarrow$  Configuration  $\rightarrow$  General  $\rightarrow$  Store Email Addresses. Update the address in the Sender Email field in all the tabs.



# **Automatic Log Clearing**

Old log records can be removed after a certain period (in days). If you set the auto clean to 0, the option won't be applied.

## Automatic Log Clearing



# **Blacklist Emails**

## **Blacklist Emails**

Enable Blacklist [global]

,	25	•

Enable Blacklist - Set to Yes to block emails from being sent to blacklisted email addresses.

The blacklisted email addresses are stored on the Blacklist grid. To find this grid, navigate to **Reports** → **SMTP Email Settings** → **Blacklist**.

2024/11/16 12:34	59/65	Ultimate Guide for Magento 2 SMTP Email Setting
Blacklist		Q 💄 admin 🗸
		Add Email
		▼ Filters ● Default View ▼ 🏠 Columns ▼
Actions 🔹	2 records found	20 • per page < 1 of 1 >
ID	† Email	Action
2	johndoe@domain.com	Edit
1	test@gmail.vom	Edit

Please note that with enabled blacklist functionality, invalid email addresses (e.g. test@gmail.vom) will be automatically blacklisted and recorded on the **Blacklist** grid. Also, it is possible to add email addresses to this grid manually if needed. If the email address is in blacklist, a notification will inform you when attempting to send an email to it.

Error sending e-mail: email test@gmail.vom is in blacklist.

# Sent Emails Log

To see the list of sent emails please go to **Reports**  $\rightarrow$  **SMTP Email Settings section**  $\rightarrow$  **SMTP Sent Emails Log**.

Sent Emails Log						
			CI	ear Sent E	mails Log	
Search by keyword	Q		Filters O Default V	liew 🗸 🛉	🗘 Columns 🗸	
3 records found		20	) • per page <	1	of 1 >	
Date	Subject		Recipient Email	Status	Action	
Dec 5, 2019 8:02:05 AM	Your Main Website Store order confirmation		roni_cost@example.com	Pending	Select 🔺	
Dec 5, 2019 8:02:29 AM	Your Main Website Store order confirmation		roni_cost@example.com	Pending	View	
Dec 5, 2019 8:04:17 AM	Your Main Website Store order confirmation		roni_cost@example.com	Pending	Resend	

In the log, you can see the email subject, the date it was sent, the recipient's email address, and the email status. Click 'Select' in the Action column and choose 'View' to see the email content or 'Resend' to resend the email.

Please note that to use the **resend functionality**, you need to install the **amasty/module-smtp-email-reply-to-setting** package.

# **View Sent Emails**

After clicking 'View' on the Sent Emails grid you can see the content of the selected email.

December 21, 2015 Your Main Website Store order confirmation test@example.com



Dear Customer,

Thank you for your order from Main Website Store. Once your package ships we will send you a tracking number. You can check the status of your order by logging into your account.

If you have questions about your order, you can email us at support@example.com.

# Your Order #00000003

Placed on December 15, 2015 at 4:15:51 AM CST

Billing Info

Shipping Info

John Doe Sacramento California 23rd str United States

John Doe Sacramento California 23rd str United States

# Debug Log

To see the extension debug log please go to **Reports**  $\rightarrow$  **SMTP Email Settings section**  $\rightarrow$  **SMTP Debug Log**.

# SMTP Debug Log



## **Clear Debug Log**

Date 1	Message
Dec 24, 2015 8:19:24 AM	Test e-mail was sent successfully!
Dec 24, 2015 8:19:24 AM	E-mail sent successfully at amsmtp/transport::sendMessage().
Dec 24, 2015 8:19:21 AM	Ready to send e-mail at amsmtp/transport::sendMessage()
Dec 21, 2015 3:47:44 AM	Test e-mail was sent successfully!
Dec 21, 2015 3:47:44 AM	E-mail sent successfully at amsmtp/transport::sendMessage().
Dec 21, 2015 3:47:42 AM	Ready to send e-mail at amsmtp/transport::sendMessage()
Dec 21, 2015 3:47:44 AM	E-mail sent successfully at amsmtp/transport::sendMessage().
Dec 21, 2015 3:47:42 AM	Ready to send e-mail at amsmtp/transport::sendMessage()

At this page you can find out if emails are sent and what errors if any, occur. This data will help you to configure the module. It's recommended to **disable the Debug Mode** once you've successfully setup the module and run the necessary tests.

# What is SPF Record and How to Configure it

Please be aware that it is not mandatory to setup SPF record, however doing so you will increase the chance of email delivery.

**Sender Policy Framework (SPF)** is an email validation system created to prevent email spam on the Internet by detecting email spoofing (creation of emails with forged sender addresses).

**SPF technology consists of two parts** - SPF-record in DNS (Domain Name System) zone of your domain; - email server component of the message recipient or the component of its spam combating system; SPF record is configured by email sender. It contains information about the servers that are allowed to send emails from your domain name.

Although SPF record is optional, today due to the spam issue most email servers may refuse to accept your email without this record or mark it as suspicious or unwanted.

### How to set SPF record for your own SMTP server

If you use your own email server to send emails for your domain (below we use the example.com domain for demonstration) that has IPv4 address xxxx, the SPF record will look like this:

example.com. IN TXT "v=spf1 a mx ip4:x.x.x.x ~all"

example.com. IN SPF "v=spf1 a mx ip4:x.x.x.x ~all"

If your server has more than one IPv4 address, you can list them like that: "v=spf1 a mx ip4:x.x.x.x ip4:y.y.y.y ip4:z.z.z.z -all".

If you use IPv6 addresses, the record will be: "ip6:xx:yy::zz", where "xx:yy::zz" is the IPv6 of your email server. In this example, the SPF record allows sending emails for the example.com domain from the IP address specified in the «A» record of the **example.com** domain (a), mail-exchangers of the example.com domain (mx) and from IP address x.x.x.x (ip4:x.x.x.x). The recipient's server will make the decision whether to mark as spam emails from other senders (~ all).

To restrict sending emails from senders not listed in the SPF record, you can use the **"-all"** option instead of **"~all"**. However, in case there are any inaccuracies in your settings you risk to restrict receiving of your mail.

Therefore, use this option only if you are sure that all your settings are correct.

#### How to set SPF record for Google Apps

If you use **Google Apps** service to send emails for your domain, the SPF record settings will be slightly different.

The addresses of the email servers that are used by Google Apps can vary and consequently you'll have to enable **Google Apps SPF** configuration.

In case you use **Google Apps** to receive emails, but send emails using your **own SMTP** server you need to specify it in the SPF record:

example.com. IN TXT "v=spf1 a mx ip4:x.x.x.x include:\_spf.google.com ~all"

example.com. IN SPF "v=spf1 a mx ip4:x.x.x.x include:\_spf.google.com ~all"

If you use **Google Apps Service** both for sending and receiving emails, the SPF record will be the following:

example.com. IN TXT "v=spf1 include:\_spf.google.com ~all"

example.com. IN SPF "v=spf1 include:\_spf.google.com ~all"

## <u>a</u>masty

To get more details about **SPF settings** for Google Apps, click here.

# **Cron Tasks List**

Magento 2 SMTP Email Settings extension is preintegrated with Cron Tasks List to provide store owners with an opportunity to track and manage all cron tasks running in the website background.

To view all scheduled and executed cron tasks, go to **System**  $\rightarrow$  **Cron Tasks List** 

Run all cron tasks and generate their schedule by clicking the 'Run Cron' button. Also you can delete separate tasks in bulk, apply filtering and sorting options when it is needed.

Cro	n Ta	sks List						
							Run Cron	
0	1 Last Cron Activity: 20 seconds ago							
					<b>Filter</b>	s 💿 Default View	🗸 🔅 Columns 🗸	
Actio	ons	▼ 652 reco	rds found		20 -	per page <	1 of 33 >	
	ID	Job Code	Status †	Created At	Scheduled At	Executed At	Finished At	
	1038	sales_grid_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM	
	1058	sales_grid_creditmemo_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM	
	1078	sales_send_order_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM	
	1098	sales_order_invoice_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM	
	1118	sales_send_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM	
	1196	indexer_reindex_all_invalid	SUCCESS	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM	
	1200	indexer_update_all_views	MISSED	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM	
	1018	sales_grid_order_invoice_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM	
	1024	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:53:00 AM			
	1025	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:54:00 AM			
ADD TO CART GO TO EXTENSION PAGE								

Find out how to install the SMTP Email Settings extension via Composer.

From: https://amasty.com/docs/ - <b>Amasty Extensions FAQ</b>	
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