

# Swaks

Swaks (Swiss Army Knife for SMTP) is a versatile and powerful command-line tool used for testing and debugging SMTP (Simple Mail Transfer Protocol) servers. It is particularly useful for network administrators, developers, and anyone needing to test or troubleshoot email servers. Swaks supports various SMTP features and protocols, making it a comprehensive tool for SMTP testing.

## Some of the features of swaks include:

- **Sending test emails:** swaks can send test emails to specified recipients, allowing users to verify that email delivery is functioning correctly.
- **SMTP protocol testing:** swaks can simulate various SMTP protocol scenarios, such as sending emails with different header values, testing authentication and encryption settings, and verifying the delivery of messages.
- **Load testing:** swaks can simulate multiple email transactions simultaneously, making it useful for load testing SMTP servers.
- **Extensibility:** swaks is designed to be easily extensible, with plugins available to support additional features and protocols.

## Examples: -

1. To check the smtp server availability by sending the simple mail use the following command.

```
(root@kali) ~/home/kali
$ swaks --to <redacted> --from <redacted> --server smtp.gmail.com

=== Trying smtp.gmail.com:25...
=== Connected to smtp.gmail.com.
<- 220 smtp.gmail.com ESMTP d2e1a72fcca58-703fd5077f8sm1795330b3a.174 - gsmt
-> EHLO kali
<- 250-smtp.gmail.com at your service, [106.221.142.124]
<- 250-SIZE 35882577
<- 250-8BITMIME
<- 250-STARTTLS
<- 250-ENHANCEDSTATUSCODES
<- 250-PIPELINING
<- 250-CHUNKING
<- 250-SMTPUTF8
-> MAIL FROM:<redacted>
<+ 530-5.7.0 Must issue a STARTTLS command first. For more information, go to
<+ 530-5.7.0 https://support.google.com/a/answer/3221092 and review RFC 3207
<+ 530 5.7.0 specifications. d2e1a72fcca58-703fd5077f8sm1795330b3a.174 - gsmt
-> QUIT
<- 221 2.0.0 closing connection d2e1a72fcca58-703fd5077f8sm1795330b3a.174 - gsmt
=== Connection closed with remote host.
```

2. To check the smtp server availability by sending the mail along with body use the following command.

```
(root@kali) ~/home/kali
$ swaks --to <redacted> --from <redacted> --server smtp.gmail.com:587 --body 'This is the body of the email'

=== Trying smtp.gmail.com:587...
=== Connected to smtp.gmail.com.
<- 220 smtp.gmail.com ESMTP d9443c01a7336-1f0bd7e1aabsm22821255ad.216 - gsmt
-> EHLO kali
<- 250-smtp.gmail.com at your service, [106.221.142.124]
<- 250-SIZE 35882577
<- 250-8BITMIME
<- 250-STARTTLS
<- 250-ENHANCEDSTATUSCODES
<- 250-PIPELINING
<- 250-CHUNKING
<- 250-SMTPUTF8
-> MAIL FROM:<redacted>
<+ 530-5.7.0 Must issue a STARTTLS command first. For more information, go to
<+ 530-5.7.0 https://support.google.com/a/answer/3221092 and review RFC 3207
<+ 530 5.7.0 specifications. d9443c01a7336-1f0bd7e1aabsm22821255ad.216 - gsmt
-> QUIT
<- 221 2.0.0 closing connection d9443c01a7336-1f0bd7e1aabsm22821255ad.216 - gsmt
=== Connection closed with remote host.
```