

# AWS-SES

## SES Component

Available as of Camel 2.8.4

The ses component supports sending emails with [Amazon's SES](#) service.



### Prerequisites

You must have a valid Amazon Web Services developer account, and be signed up to use Amazon SES. More information are available at [Amazon SES](#).

## URI Format

```
aws-ses://from[?options]
```

You can append query options to the URI in the following format, ?options=value&option2=value&...

## URI Options

Name	Default Value	Context	Description
amazonSESClient	null	Producer	Reference to a <code>com.amazonaws.services.simpleemail.AmazonSimpleEmailService</code> in the <a href="#">Registry</a> .
accessKey	null	Producer	Amazon AWS Access Key
secretKey	null	Producer	Amazon AWS Secret Key
amazonSESEndpoint	null	Producer	The region with which the AWS-SES client wants to work with.
subject	null	Producer	The subject which is used if the message header 'CamelAwsSesSubject' is not present.
to	null	Producer	List of destination email address. Can be overridden with 'CamelAwsSesTo' header.
returnPath	null	Producer	The email address to which bounce notifications are to be forwarded, override it using 'CamelAwsSesReturnPath' header.
replyToAddresses	null	Producer	List of reply-to email address(es) for the message, override it using 'CamelAwsSesReplyToAddresses' header.
proxyHost	null	Producer	<b>Camel 2.16:</b> Specify a proxy host to be used inside the client definition.
proxyPort	null	Producer	<b>Camel 2.16:</b> Specify a proxy port to be used inside the client definition.



### Required SES component options

You have to provide the amazonSESClient in the [Registry](#) or your accessKey and secretKey to access the [Amazon's SES](#).

## Usage

### Message headers evaluated by the SES producer

Header	Type	Description
CamelAwsSesFrom	String	The sender's email address.
CamelAwsSesTo	List<String>	The destination(s) for this email.
CamelAwsSesSubject	String	The subject of the message.
CamelAwsSesReplyToAddresses	List<String>	The reply-to email address(es) for the message.
CamelAwsSesReturnPath	String	The email address to which bounce notifications are to be forwarded.
CamelAwsSesHtmlEmail	Boolean	<b>Since Camel 2.12.3</b> The flag to show if email content is HTML.

### Message headers set by the SES producer

Header	Type	Description
CamelAwsSesMessageId	String	The Amazon SES message ID.

## Advanced AmazonSimpleEmailService configuration

If you need more control over the AmazonSimpleEmailService instance configuration you can create your own instance and refer to it from the URI:

```
from("direct:start")
.to("aws-ses://example@example.com?amazonSESClient=#client");
```

The `#client` refers to a AmazonSimpleEmailService in the [Registry](#).

For example if your Camel Application is running behind a firewall:

```
AWSCredentials awsCredentials = new BasicAWSCredentials("myAccessKey", "mySecretKey");
ClientConfiguration clientConfiguration = new ClientConfiguration();
clientConfiguration.setProxyHost("http://myProxyHost");
clientConfiguration.setProxyPort(8080);
AmazonSimpleEmailService client = new AmazonSimpleEmailServiceClient(awsCredentials, clientConfiguration);

registry.bind("client", client);
```

## Dependencies

Maven users will need to add the following dependency to their pom.xml.

### pom.xml

```
<dependency>
  <groupId>org.apache.camel</groupId>
  <artifactId>camel-aws</artifactId>
  <version>${camel-version}</version>
</dependency>
```

where `${camel-version}` must be replaced by the actual version of Camel (2.8.4 or higher).

## See Also

- [Configuring Camel](#)
- [Component](#)
- [Endpoint](#)
- [Getting Started](#)
- [AWS Component](#)