

AWS-SNS

SNS Component

Available as of Camel 2.8

The SNS component allows messages to be sent to an [Amazon Simple Notification Topic](#). The implementation of the Amazon API is provided by the [AWS SDK](#).



Prerequisites

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

URI Format

```
aws-sns://topicName[?options]
aws-sns://topicNameOrArn[?options] (Camel 2.18 onwards)
```

The topic will be created if it doesn't already exists. You can append query options to the URI in the following format, **?options=value&option2=value&...**

URI Options

Name	Default Value	Context	Description
accessKey	null	Producer	Amazon AWS Access Key.
amazonSNSClient	null	Producer	Reference to a <code>com.amazonaws.services.sns.AmazonSNS</code> in the Registry .
amazonSNSEndpoint	null	Producer	The region with which the AWS-SNS client wants to work with.
policy	null	Producer	Camel 2.8.4: The policy for this queue to set in the <code>com.amazonaws.services.sns.model.SetTopicAttributesRequest</code> .
proxyHost	null	Producer	Camel 2.16: Specify a proxy host to be used inside the client definition.
proxyPort	null	Producer	Camel 2.16: Specify a proxy port to be used inside the client definition.
secretKey	null	Producer	Amazon AWS Secret Key.
subject	null	Producer	The subject which is used if the message header <code>CamelAwsSnsSubject</code> is not present.



Required SNS component options

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

Usage

Message headers evaluated by the SNS producer

Header	Type	Description
CamelAwsSnsSubject	String	The Amazon SNS message subject. If not set, the subject from the <code>snsConfiguration</code> is used.

Message headers set by the SNS producer

Header	Type	Description
CamelAwsSnsMessageId	String	The Amazon SNS message ID.

Advanced AmazonSNS configuration

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

```
from("direct:start")
    .to("aws-sns://MyTopic?amazonSNSClient=#client");
```

The `client` refers to a **AmazonSNS** 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);
AmazonSNS client = new AmazonSNSClient(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 or higher).

See Also

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