



Datadog + D7SMS Integration

Datadog + D7SMS integration allows you to send SMS messages to mobile numbers using the "Webhook" option provided.

Requirements:

1. Datadog account
2. D7SMS account (You can also use a trial account without a purchase)
3. Positive balance on D7SMS account

Notes:

- This automation action sends outbound messages only. For tracking, replies, reporting, and billing, please check the D7SMS account at <https://app.d7networks.com>
- Messages sent with this automation action have a 700-character limit. This includes field values for any personalisation tags you use in the message.
- The recipient's phone number should have a country code prefix. You can also set the default country [here](#), and all your messages will be prefixed with the selected country code.

How the D7SMS app works on Datadog:

- ❖ Generate D7SMS Token
- ❖ Enable webhook at Datadog
- ❖ Configure URL and Payload
- ❖ Configure Authentication
- ❖ Add to Notifications

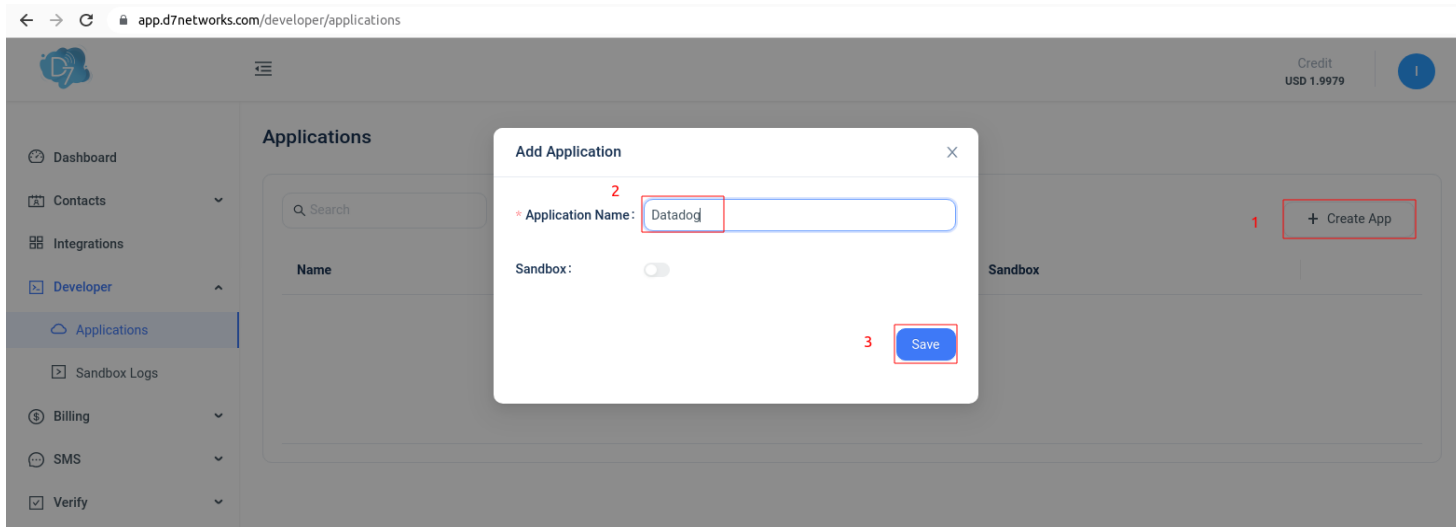


1. Generate D7SMS Token:

D7SMS connection uses OAuth 2.0 based Bearer token authentication. You can create this token at the developer section of <https://app.d7networks.com/>

Following are the steps by step instructions to create the token:

- Signup with <https://app.d7networks.com/>
- Navigate to <https://app.d7networks.com/developer/applications>
- Click on “**Create App**”
- Enter an **Application Name** and “**Save**”



- On the next window click on “**Generate Token**” and copy the token generated.





2. Enable webhook at Datadog:

- Navigate to "Integrations" and search for "Webhook".
- Choose "Webhooks" and click "Configure".

A screenshot of the Datadog web interface. The browser address bar shows 'app.datadoghq.com/integrations?search=webhook'. The page header includes 'Welcome, ILYAS!', a 'Get Started' dropdown, and a progress indicator 'You are 50% done setting up'. The navigation menu includes 'Integrations', 'Marketplace', 'Agent', 'Reference Tables BETA', and 'Link Source Code'. A search bar contains the text 'webhook'. Below the search bar, the 'Search Results' section shows '2 results for "webhook" in Integrations'. Two integration cards are displayed: 'RUNDECK' with a '+ Available' button, and 'Webhooks' with a '✓ Installed' button. The 'Integrations' menu item in the left sidebar is highlighted with a red box, and the 'Webhooks' card is also highlighted with a red box. Below the integration cards, it shows '0 results for "webhook" in Marketplace'.

3. Configure URL and Payload:

- On the webhook configuration page, provide the Name "D7SMS"
- URL: <https://api.d7networks.com/messages/v1/send>
- Use the following Payload:



```
{
  "messages": [
    {
      "originator": "Datadog",
      "recipients": ["+971509752655", "+971509752656"],
      "content": "$EVENT_TITLE, $EVENT_TYPE, $EVENT_MSG, $LAST_UPDATED,
$DATE",
      "client_ref": "Datadog",
      "data_coding": "text"
    }
  ]
}
```

- ★ **originator:** The Sender/Header of a message. We can use your brand name with a maximum character limit of 11 or your mobile number with your country code.
- ★ **recipients:** Mobile Numbers to send SMS separated by a comma in an array (should have a country code prefix)
- ★ **content:** Message Content being sent. You can use all the variables which are provided by Datadog.
- ★ **data_coding:** Set as *text* for normal GSM 03.38 characters(English, normal characters). Set as *unicode* for non-GSM 03.38 characters (Arabic, Chinese, Hebrew, Greek-like regional languages and Unicode characters). Set it as *auto* so we will find the data_coding based on your content.



VARIABLE	VALUE
 No matching results	

Webhooks

1

+ New

Q search webhooks

New Webhook

Name

2

D7SMS

URL

3

https://api.d7networks.com/messages/v1/send

Payload

4

```
{
  "messages": [
    {
      "originator": "Datadog",
      "recipients": ["+971509752655", "+971509752656"],
      "content": "$EVENT_TITLE, $EVENT_TYPE, $EVENT_MSG, $LAST_UPDATED,
$DATE",
      "client_ref": "Datadog",
      "data_coding": "text"
    }
  ]
}
```

Custom Headers

Encode as form

Cancel

Save



4. Configure Authentication:

- a. You must add the authentication header with the token you generated earlier from the D7 Dashboard.
- b. Select Custom Headers and add authentication details like the following.

```
{  
  "Authorization": "Bearer D7SMS_TOKEN"  
}
```

Example:

```
{  
  "Authorization": "Bearer  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJeyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJeyJhbGciOi  
iJlUzI1NiIsInR5cCI6IkpXVCJeyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ"  
}
```



No matching results

Webhooks

+ New

search webhooks

New Webhook

Name

D7SMS

URL

https://api.d7networks.com/messages/v1/send

Payload

```
{
  "messages": [
    {
      "originator": "Datadog",
      "recipients": ["+971509752655", "+971509752656"],
      "content": "$EVENT_TITLE, $EVENT_TYPE, $EVENT_MSG, $LAST_UPDATED,
$DATE",
      "client_ref": "Datadog",
      "data_coding": "text"
    }
  ]
}
```

1 Custom Headers

2

```
{
  "Authorization": "Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJhdXRoLWJhY2t1b2YXBiIiwic3V
iIjoiaZDFmODU2MDAtOTcyYi00ZWQxLTgxZjYtNzlmYzYyM2FjIn0.4x88skWJkI09lsvJmGc
YeVv8bNo1Tn05a3fBgDjbp34"
}
```

Encode as form

3 Cancel

Save

c. Click on save



5. Add to Notifications:

- Once configured, you can use the webhook under Configure monitor.

app.datadoghq.com/synthetics/edit/bd5-m32-t5e?from_details=true

An alert is triggered if your test fails for minute from any of 1 location

In case of failure, retry test 1 time, with 300 ms of wait between retries.
The test is in "alert" status and a notification is sent if during the last minute, at least one location fails.

6 Configure the monitor for this test

Monitor Name ?
 @ {{

Notify your team

Notify your service and your team members

int@d7networks.com

all

webhook-D7SMS

If this monitor stays in alert status renotify every

Priority

7 Set permissions

Restrict access of this test to:

and the creator [int@d7networks.com](#).