Uploading a local file to Spark

Uploading a remote file to a Spark room from a URL is fairly self explanatory, you can simply supply the URL in the “files” field of a create message request:

<https://developer.ciscospark.com/endpoint-messages-post.html>

Here, we demonstrate how to upload a file to Spark room from the The most important aspect is to set your Content-Type header to be **multipart/form-data**, with a boundary. The final header might look like:

**Content-Type: multipart/form-data; boundary=12345678901234567890123456789012**

In Python, it’s difficult to do everything required without the help of a couple of third party libraries. We’ll use **requests** and **requests-toolbelt**.

pip install requests

pip install requests-toolbelt

<http://docs.python-requests.org/en/master/user/install/#install>

<https://github.com/sigmavirus24/requests-toolbelt>

Once you have those installed, the script itself is simple.

from requests\_toolbelt import MultipartEncoder

import requests

filepath = *'/Users/taylorhanson/Desktop/screenshot.png'*

filetype = *'image/png'*

roomId = *'SOME ROOM'*

token = *'YOUR ACCOUNT BEARER TOKEN'*

url = *"https://api.ciscospark.com/v1/messages"*

my\_fields={*'roomId'*: roomId,

*'text'*: *'Hello World'*,

*'files'*: (*'screenshot'*, open(filepath, *'rb'*), filetype)

}

m = MultipartEncoder(fields=my\_fields)

r = requests.post(url, data=m,

headers={*'Content-Type'*: m.content\_type,

*'Authorization'*: *'Bearer '* + token})

print r.json()

Above, you’ll need to replace the variables with ones suitable for you, with the exception of the url. The filetype and filepath, are totally dependent on the file you are attempting to upload. A full path to the file is expected in this case. roomId and token values can be found from the developer portal.  
<https://developer.ciscospark.com>

The code can also be found here:

<https://github.com/tahanson-cisco/SparkUploadLocalFile>

If you have any questions, please contact [devsupport@ciscospark.com](mailto:devsupport@ciscospark.com) 24/7/365 and we’ll be happy to help!