Useful site :

<https://ops.tips/gists/measuring-http-response-times-curl/>

<https://curl.se/docs/manual.html>

<https://discuss.devopscube.com/t/how-to-find-response-time-using-curl-request/436>

Curl : it can be used to send and receive response from command line

If we don’t use any http method: get post or delete -> get will be the bydefault method

1. How to save response :

curl -o “google” <https://www.google.com> -> now this file will be saved in google

1. How to send different method from curl:

* Curl –request GET <https://www.google.com>
* Curl –request GET --data “jjajjajaja” <https://www.google.com>

1. How to send multiple request at the same time:

Curl -o ama <https://www.google.com> \

-o yah <https://www.yahoo.com>

-- > here yahoo and google will save in ama and yah file

4. how to download the package from server:

Curl -O <https://www.anythign> - -> here Capital -O is used to download the resources

(we can down load java or eclipse or any packagae)

1. How to continue if internet or something break up

Curl -C - - o <http://www.anything.com> - -> C is for continue (Capital C) double dash and small o will calculate where the process was stopped and start to start from the same point

1. How to see the header :

Curl -I <https://www.google.com>

1. How to add header in curl:

Curl -A “header” <https://www.anything.com>

1. How to handle the redirection case in curl:

Curl -L google.com 🡪 -L will take the upto direction and follow the redirection

1. How to set the speed to curl or capacity:

Curl --limit-rate 20k <https://www.anything.com(to> download) -- > meaning now curl will provide 20k only to this resource to download the provided package in 20k per second

1. How to work with proxies: what is bobsuite

Curl -x 192.168.1.1:888 <https://www.google.com>

Meaning - > first request go to proxy x 192.168.1.1:888 and only go to final destination google.com

* - > How to use authentication:
* Curl -U <username> -P <password> -x 192.168.1.1:888 <https://www.google.com>

1. How to work with cookis:

Curl --cookies “Name=value” <https://www.googlee.com>

1. How to work with ftp in curl : it will donwload

Curl -u username:Password <ftp://ftp.example.com/abc.zip>

To upload:

Curl -T newfile.zip-u username:password <ftp://ftp.example.com>

API Testing with curl:

1. How we can use to see the application’s response time in curl:

Ans:

1st : make file - > curl-fromat.txt

2nd: Paste this in curl-format.txt

{\n

"time\_redirect": %{time\_redirect},\n

"time\_namelookup": %{time\_namelookup},\n

"time\_connect": %{time\_connect},\n

"time\_appconnect": %{time\_appconnect},\n

"time\_pretransfer": %{time\_pretransfer},\n

"time\_starttransfer": %{time\_starttransfer},\n

"time\_total": %{time\_total},\n

"size\_request": %{size\_request},\n

"size\_upload": %{size\_upload},\n

"size\_download": %{size\_download},\n

"size\_header": %{size\_header}\n

}\n

3rd : file must be in the same directory where we use curl :

4th: how to use crul command :

Curl -w “@curl-format.txt” -o /dev/null -s <and give all the command before we use withour response time format>

http\_code The numerical response code that was found

in the last retrieved HTTP(S) or FTP(s) transfer.

time\_appconnect The time, in seconds, it took from the start until

the SSL/SSH/etc connect/handshake to the remote host

was completed.

time\_connect The time, in seconds, it took from the start until

the TCP connect to the remote host (or proxy) was

completed.

time\_namelookup The time, in seconds, it took from the start until the name

resolving was completed.

time\_pretransfer The time, in seconds, it took from the start until the

file transfer was just about to begin.

time\_starttransfer The time, in seconds, it took from the start until the first

byte was just about to be transferred.

time\_total The total time, in seconds, that the full operation lasted.