Curl command

Client URL (cURL, pronounced "curl") is a command line tool that enables data exchange between a device and a server through a terminal. Using this command line interface (CLI), a user specifies a server URL (the location where they want to send a request) and the data they want to send to that server URL.

The cURL command uses the libcURL client-side URL transfer library. This library supports many different transfer protocols, including HTTPS, SMTP, and FTP. It also enables you to include cookies, set proxies, and add authentication credentials when making requests.

Use cases of cURL include testing APIs, downloading data from sources, testing websites, and following redirects from the terminal.

Curl Command Examples:-

1. Curl command is used to fetch website content from the target website.

```
curl https://www.microsoft.com
clDOCTYPE html>thml xmlns:mscom="http://schemas.microsoft.com/CMSvNext"
    xmlns:md+"http://schemas.microsoft.com/mscom-data* lang="en-us"
    xmlns:md+"http://www.w3.org/1999/shtml">scheads-Link rea-"shortcut icon"
    href="//www.w3.org/1999/shtml">scheads-Link rea-"shortcut icon"
    href="//www.w3.org/1999/shtml">scheads-Link rea-"shortcut icon"
    href="//www.w3.org/1999/shtml">scheads-Link rea-"shortcut icon"
    href="https://assets.onestore.ms/cdnfiles/external/mwf/long/v1/v1.25.0/css/mwf-west-european-default.min.css"
    />ctitle>Your request has been blocked. This could be
    due to several reasons.
// title>Your request has been blocked. This could be
    due to several reasons.
// title>Your request has been blocked. This could be
    found* />scmeta name="Correlation/vector"
    content="" h
// here a name="Correlation/vector"
content="" h
// here a name="Mscomcontentlocale"
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```

2. -o is used to store the fetched data from the target website inside a file.

```
root⊗ kali)-[/home/kali]

# curl -o microsoft.txt https://www.microsoft.com

% Total % Received % Xferd Average Speed Time Time Current

Dload Upload Total Spent Left Speed

0 196k 0 0 0 0 0 --:--:-- 0:02:00 --:--:-- 0
```

3. Using the -X GET method with cURL, you can quickly request data from a source or API. Here's a simple cURL command that makes a GET request

```
c:DOCTYPE html>>thmt xmlns:mscom="http://www.microsoft.com/CMSvNext"
    xmlns:md="http://schemas.microsoft.com/cmscom-data" lang="en-us"
    xmlns:md="http://schemas.microsoft.com/favicon.icom/cmscom-data" lang="en-us"
    xmlns:md="http://www.m3.org/1999/xhtml">xhead>clink rel="shortcut icon"
    href="//www.microsoft.com/favicon.icom/cmscom-data" lang="en-us"
    xmlns="http://www.microsoft.com/favicon.icom/cmscom-data"
    type="text/css" rel="stylesheet"
    href="https://sasets.onsetore.ms/cdnfsles/external/mwf/long/v1/v1.25.0/css/mwf-west-european-default.min.css"
    />ctitle>Your request has been blocked. This could be
    due to several reasons.viitle>-meta name="Totte"
    content="Weare reasons.viitle>-meta name="Totte"
    content=""%".conten name="forentialnvector"
    content=""%".conten name="forentialnvector"
    content=""%".conten name="stylesheet" type="text/css" media="stylesheet" type="
```