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Intro to Ethical Hacking

ITACS 5211

**Executive Summary-Burp Suite**

 Burp Suite is an integrated platform for performing security testing of web application. Burp suite behaves as the man-in-the-middle between the browser and the destination web servers. The component I used for this assignment in Burp Suite is the intercepting proxy tool. The intercepting proxy allows the user to examine and change traffic between your browser and the target application.

For the Burp Suite assignment, I decided to perform an analysis on the Comcast Corporation. Comcast is a mass media company and is the largest broadcasting and cable television company in the United States, and the nation’s third largest home telephone service provider. The company’s headquarters are located in Philadelphia, PA. To access the company’s website I used the web address [www.comcast.com](http://www.comcast.com). The IP address for this URL is 69.252.80.75. The content type of the website is text/ html and the language on the site is English. Burp Suite reported that there was a HTTP/1.1 301 Redirect which is used for permanent URL redirection. They use ATS (Apache traffic server) 4.0.1. Apache Traffic Server is a high performance reverse proxy and forward proxy server. From old habits I still use www.comast.com to access the site, but all traffic is redirected to [www.xfinity.com](http://www.xfinity.com). This is the main website that customers use to access all the services the company has to offer. The IP address of the website is 23.49.181.55. The HTTP status of the website is 200, which is the standard response for successful HTTP requests and the content type of www.xfinity.com is text/html.

 I launched a couple of links on the website to see what type of information that would be reported in Burp Suite. I clicked on the Career link which had a URL of job.comcast.com and Sign In link which allows the customers to log in to the site to access their account information. The Career link on xfinity.com has an IP address of 52.8.16.42. There was an Apache web server listed for this site, the HTTP status of the website was 200, the MIME type of the website is HTML and the X-powered by field was PHP/5.3.1.0-1ubuntu3.21, this specifies the technology supporting the web application. The IP address for this website is 23.217.129.104. The Sign In link reported back with an HTTP status of 302 moved temporarily. This error message reports that the web server thinks that the URL has been temporarily redirected to another URL. The web server for this website is Apache-Coyote/1.1 and the content on the web page is text/plain. I was unable to access the website because I never installed the Burp CA Certificate. This is a https website and I will not be access the website without the CA certificate. To use Burp Suite effectively on HTTPS websites, the Burp’s CA certificate needs to be installed as a trusted root in the browser.