Tier 0 - Synced

In this lab we are introduced to the rsync protocol, this protocol only transfers the changes between two files, aka incrimental file transfer. The benefit of this is that the FTP protocol is slow and only can send the entire file which is inefficient if only a small change needs to be made to a file. The changes that need to get transferred are called deltas. Using these deltas are an efficient way to reduce bandwidth and time.

Enumeration

Using nmap we scan for open ports and running services.

```
nmap -p- --min-rate=1000 -sV {target_IP}



-p- : This flag scans for all TCP ports ranging from 0-65535
-sV : Attempts to determine the version of the service runnin
--min-rate : This is used to specify the minimum number of pa
send per second; it speeds up the scan as the number goes hig
```

From the results we can see port 873 is open running rsync version 31.

To connect to rync we we will use the below command which will list the shares.

```
rsync --list-only {target_IP}:
```

We can see two shares , Public and Anonympu Share.

Lets have a look at Public share using

```
rsync --list-only {target_IP}::public
```

We see a file called flag.txt . Using the below code we can download the file locally.

```
rsync {target_IP}::public/flag.txt flag.txt
```

We will cat the file to view contents.

```
cat flag.txt
```