PineAP Primer

**Dashboard**

**Recon**

1. Scan settings
   1. Ap only: scans for any wireless access points that are within range
   2. Ap and client: scans for any wireless access points and any clients that are connected to them.
   3. Continuous: starts a scan for wireless access points and continues to update the scan results every time a certain amount of time has passed as set in the timer.
   4. Timer: sets a specific length of time to scan for wireless access points.
   5. Start and stop button: starts and stops an active scan.
2. Scan results
   1. This section displays all of the access points and client information gathered by the scan.
   2. Unassociated clients: a client that is not connected to an access point but is broadcasting information.
   3. Mac address dropdown
      1. Allows you to add a specific MAC address to your filters, tracking or deauthentication list.

**Clients**

1. Lists all of the clients that have connected to your device.
   1. This includes Their MAC address, IP Address, SSID, Hostname and a button to kick them off of your access point.

**Filters**

1. Client filtering
   1. Allow mode
      1. Only the Client MAC addresses that are in allow mode are able to connect to the Pineapple. This helps to reduce collateral damage.
   2. Deny Mode
      1. Everyone but the Client MAC addresses that are in deny mode can connect to the Pineapple. This Helps reduce collateral damage.
2. SSID Filtering

**Modules**

1. This section of the program houses all of the open source programs that can be run on your pineapple for penetration testing.

**PineAP**

1. Allow Associations
   1. Allows Clients to connect to the Pineapple. Specifically it emulated whatever access point you are trying to connect to. Meaning that if you are connecting to WIFI1234 It will say it is WIFI1234 even though it is not.
2. Log Probes
   1. Probes are what clients send out to when they are seeking out access points
3. Log Associations
   1. Associations are comprised of the actual connection information between a client and an access point.
4. PineAP Daemon
   1. Utilizes the second radio on a Wi-Fi pineapple for sniffing and injection
5. Beacon Response
   1. Reinforces the legitimacy of an access point.
   2. Beacon Response Interval
6. Capture SSID’s to Pool
7. Broadcast SSID Pool
   1. Broadcast SSID Pool Interval
8. Source MAC
   1. The MAC address for the origination of the Wi-Fi signal
9. Target MAC
   1. The MAC address for the device you are targeting
10. SSID Pool
    1. This is a collection of SSID’s that you have marked for future use.

**Tracking**

1. Client Tracking List
   1. Lists out all of the active MAC addresses that you are currently gathering information on
2. Tracking script
   1. A section for writing customized tracking scripts.

**Logging**

1. Pineapp Log
   1. Toggle Display probes
   2. Toggle display associations
   3. Toggle remove duplicate logs
   4. Apply Filter- Button that applies the specifiedfilter to the Event Log
   5. Clear Filter- Clears the filter you selected.
   6. Refresh log- Refreshes the event log, adding any new information
   7. Clear Log- clears all information from the log for this session.
   8. Includes timestamp, What even was logged, The MAC address and the SSID

**Reporting**

1. Report configuration
   1. Generate reports
      1. Toggles how often you want an automated email to be sent to you with the information gathered by your pineapple
      2. Store report on SD card
         1. This will keep a hard copy on the optional SD card inserted into the Pineapple
      3. Send report Via Email
         1. Toggles the report to be sent via Email
2. Report Contents
   1. PineAp Log
      1. Toggles the inclusion of the PineAp Log in the report
   2. Clear when Done
      1. Erases the PineAp log when it is sent in the report
   3. PineAp Site Survey
      1. Scans the location for Access points and clients
      2. The scan can be set to repeat automatically at given interval
   4. PineAp Probing Client Report
      1. Logs every time a Client sends a probe request to the Wi-Fi Pineapple
   5. PineAp tracked Clients report
      1. Contains all of the information for your tracked Clients
3. **Email Configuration**
   1. From
      1. What address the email is from email is from
   2. To
      1. The Email address to which the report is being sent
   3. SMTP server
      1. The simple mail transfer protocol server that is sending the email.
   4. SMTP Port
      1. The simple mail transfer protocol port number that is being used to send the email
   5. Username
      1. The username of the individual sending the report

**Networking**

1. Route- the pathway that your Wi-Fi pineapple is using to connect to the internet.
   1. Can be updated via the update route button.
2. Access point channel
   1. This is the radio frequency channel that your Wi-Fi pineapple if broadcasting on
3. Open AP SSID
   1. The SSID associated with the access point that your pineapple is emulating. Clients connect to this
4. Hide open AP
   1. This toggles the client access point between hidden and visible.
5. Management AP SSID
   1. This is the access point that you utilize to modify the Open of Client Access point
6. Management AP Key
   1. This is the key that secures your Management Access point from other devices
7. Disable Management AP
   1. Toggle whether or not your management access point is disabled or not
8. Update access point
   1. Button refreshes all of the access point information
9. Wi-Fi Client Mode
   1. Interface
      1. The interface determines what connection your Pineapple is using
   2. SSID
   3. IP
      1. Refresh
      2. Disconnect
10. Mac Addresses
    1. Interface
       1. The interface determines what connection your Pineapple is using
    2. Current MAC address
       1. The current MAC address being displayed by your Pineapple
    3. New MAC address
       1. Set a new Mac address to be displayed by your pineapple
          1. This can be a new or random address
11. Advanced
    1. You can change the hostname of your pineapple to obscure it.
    2. There are also coding options listed

**Configuration**

1. General
   1. Time Zone
   2. Select Time Zone
   3. Custom offset
   4. Old password
   5. New password
   6. Repeat password
2. Landing Page
   1. Anyone who is connecting to your Pineapple will see this web page. It can be customized using PHP.

Advanced

1. Resources
   1. Contains information about the amount memory utilized on the Pineapple
2. USB
   1. Contains information about the communication and connection of your USB connection to the Wi-Fi Pineapple
3. Firmware upgrade
   1. Searches for the most up to date firmware available for your Wi-Fi pineapple and installs it
4. CSS
   1. Cascading Style Sheets contain the code for the styling and formatting of your webpages for the Pineapple

**Help**