# TTP Detail – T1164

## TTP Information

Name: Re-opened Applications

Description: Starting in Mac OS X 10.7 (Lion), users can specify certain applications to be re-opened when a user reboots their machine. While this is usually done via a Graphical User Interface (GUI) on an app-by-app basis, there are property list files (plist) that contain this information as well located at <code>~/Library/Preferences/com.apple.loginwindow.plist</code> and <code>~/Library/Preferences/ByHost/com.apple.loginwindow.\* .plist</code>.   
  
An adversary can modify one of these files directly to include a link to their malicious executable to provide a persistence mechanism each time the user reboots their machine (Citation: Methods of Mac Malware Persistence).

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Kill Chain Phases

**•** mitre-attack: persistence