New Reconnaissance Vectors Through Web Marketing

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Hashtags: #SocialEngineeringTips #SocialOperator #LearnSocialEngineering #HackerHired #HackHunger

O1 Getting Started What is ADS.TXT?

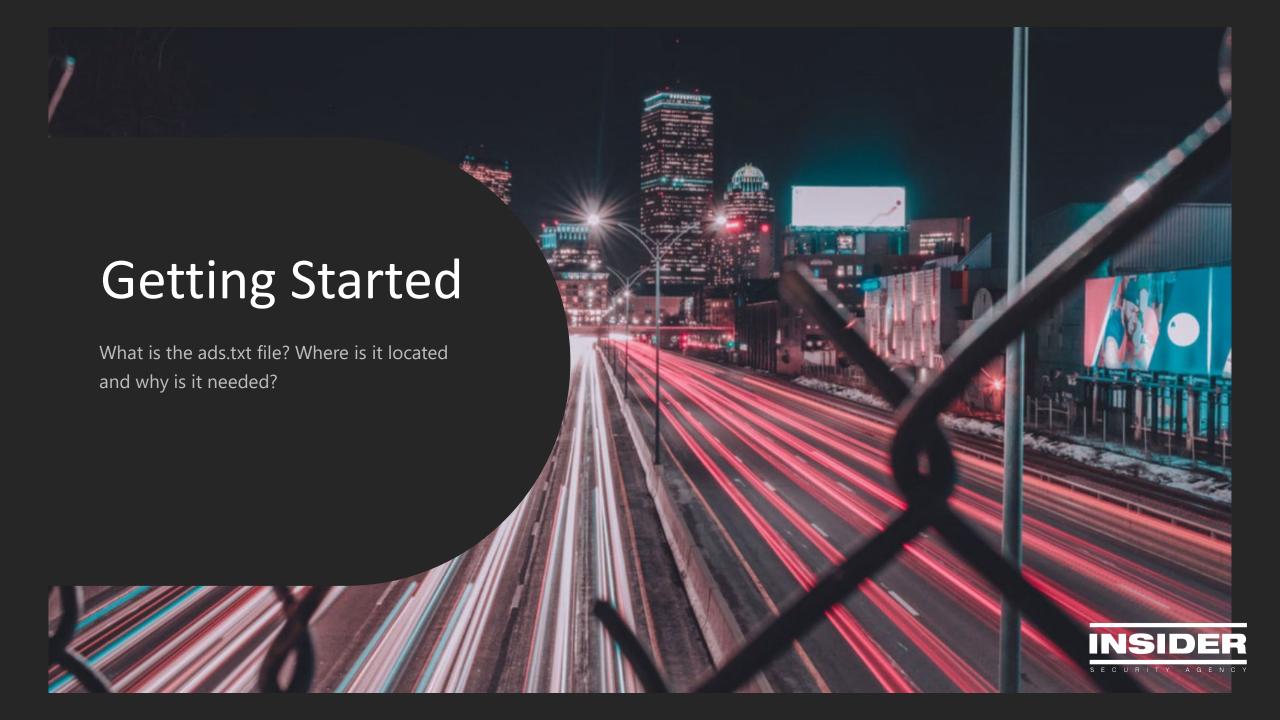
Recon Potential
What exactly can the ADS.TXT file give an attacker and a security assessment?

Security Scenarios

How can ADS.TXT risks be addressed and used to help clients?

Metasploit
To help automate the discovery and remediation of ADS.TXT issues we have created an unreleased Metasploit module.







What is a the ads.txt file?

The Authorized Digital Sellers file or ADS.TXT version 1.0.2 is a server side file that specifies a mechanism for publishers to list their authorized digital sellers, in order to fight against fraud and misrepresented domains. The most current version allows users to specify entities that they prohibit as well. This helps to expedite sales and avoid fraud.

https://iabtechlab.com/ads-txt/





Location

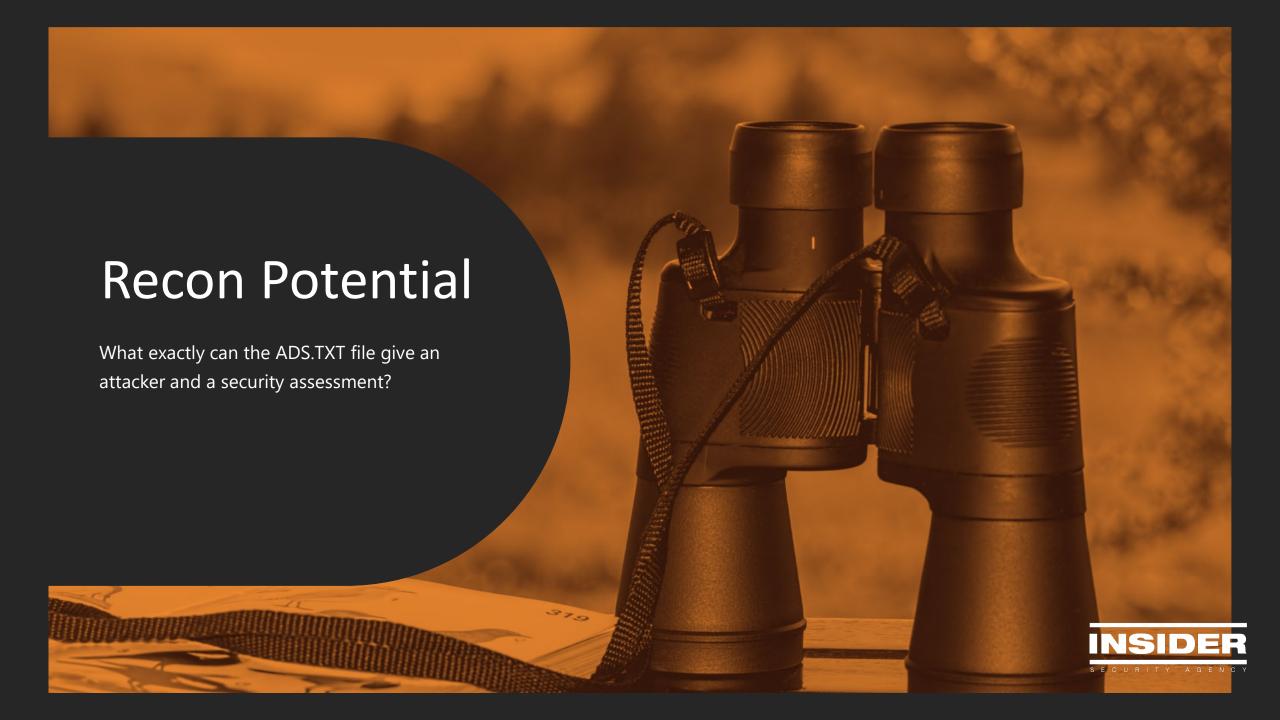
The ADS.TXT file will ALWAYS be located on the site's root directory as dictated by IAB standards. EXAMPLE: https://www.website.com/ads.txt

The Risk?

A centrally located list of approved third parties, subdomains, and your advertising partner identifications. In addition an automated attack vector for constructing botnets and malvertising attacks.

The Approved Use?

Speed up approved advertisement placement and sales through whitelisting approved third parties and vendors.



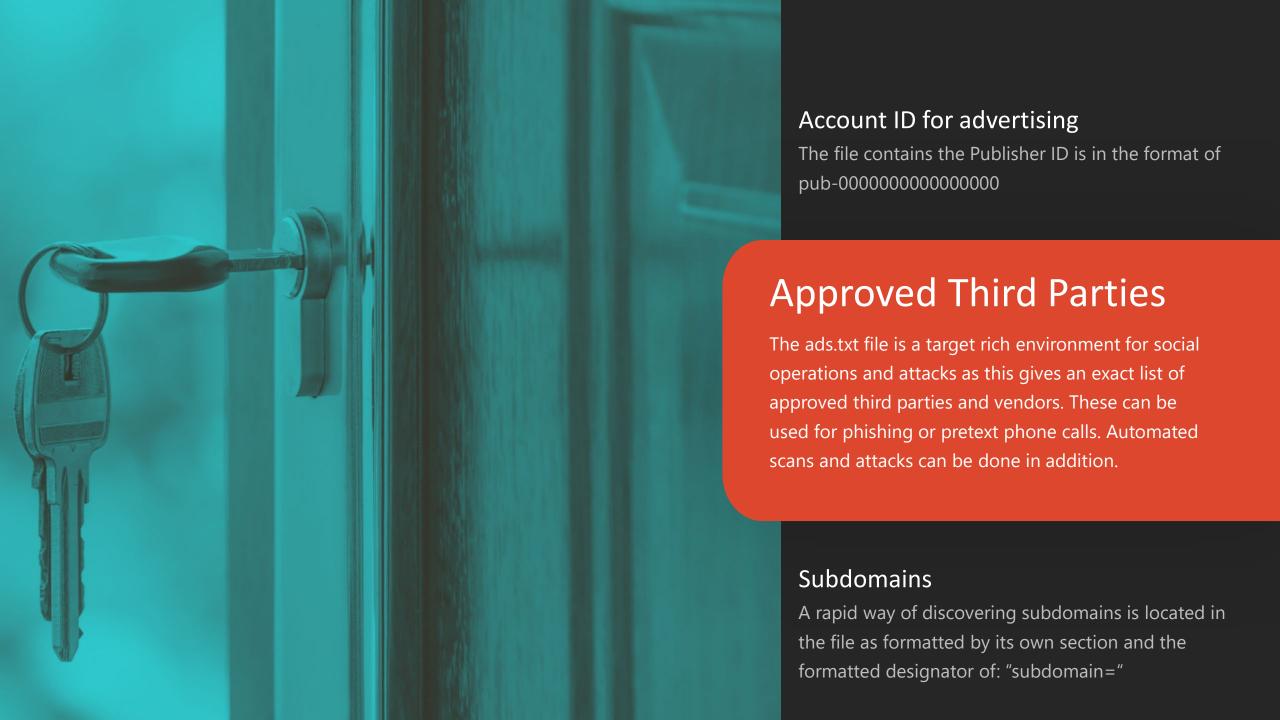


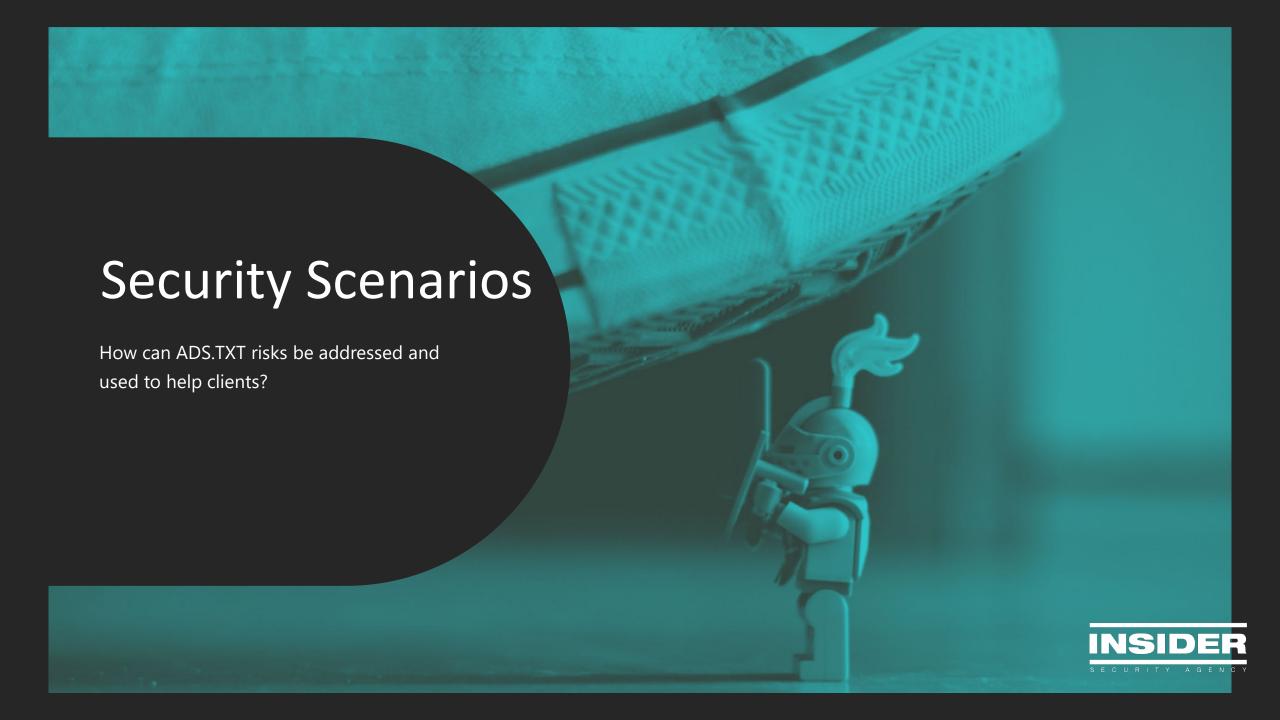
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Web Application Firewall (WAF)

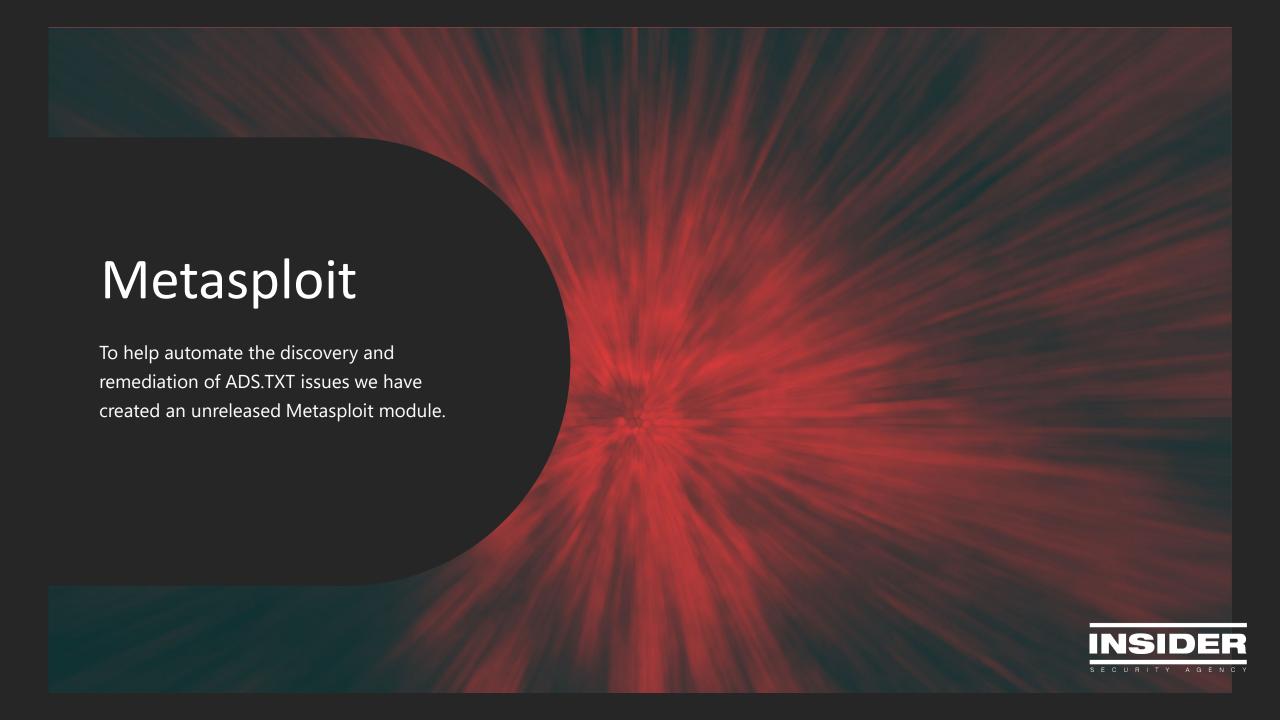
The file will always be located on the domain root, so add as many layers of non-intrusive defenses in place.

Communication & Assessments

Having a baseline for the acceptable risk and use fo the ads.txt file is key. Regular web site security assessments is key to ensuring that everything is up to date, patched and properly secured. In addition an approved communication plan for the ads.txt fille must be created to prevent social operations.

Continuous Monitoring

Use an IDS or other defensive monitoring protocols to allow for instant alert and monitoring of requests to the ads.txt file. Set a low threshold for monitoring.



Metasploit Module

A safe and benign Metasploit scanner module has been created for the ads.txt file and can locate up to class A subnet of instances. Locate the file faster without worry during your next assessment.





Metasploit Module Demo

See how easy it is to use and how safe it is to integrate into an assessment.

Download the module and place it into the following system folder:

\$HOME/.msf/modules/auxiliary







— Where to go from here?

This talk has simply been the introduction to the concepts and ideas behind using the ads.txt file safely and ethically into your assessment process. For additional resources and questions please feel free to contact:

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