


# Chafer, APT 39 - Threat Group Cards: A Threat Actor Encyclopedia

Archived: 2026-04-06 03:31:22 UTC

[Home](#) > [List all groups](#) > Chafer, APT 39

## APT group: Chafer, APT 39

Names	<p>Chafer (<i>Symantec</i>)                  APT 39 (<i>Mandiant</i>)                  Remix Kitten (<i>CrowdStrike</i>)                  Cobalt Hickman (<i>SecureWorks</i>)                  TA454 (<i>Proofpoint</i>)                  ITG07 (<i>IBM</i>)                  Radio Serpens (<i>Palo Alto</i>)                  Burgundy Sandstorm (<i>Microsoft</i>)                  G0087 (<i>MITRE</i>)</p>
Country	 <a href="#">Iran</a>
Sponsor	State-sponsored, Rana Intelligence Computing Company
Motivation	<a href="#">Information theft and espionage</a>
First seen	2014
Description	<p><a href="#">(FireEye)</a> APT39 was created to bring together previous activities and methods used by this actor, and its activities largely align with a group publicly referred to as “Chafer.” However, there are differences in what has been publicly reported due to the variances in how organizations track activity. APT39 primarily leverages the SEAWEED and CACHEMONEY backdoors along with a specific variant of the POWBAT backdoor. While APT39’s targeting scope is global, its activities are concentrated in the Middle East. APT39 has prioritized the telecommunications sector, with additional targeting of the travel industry and IT firms that support it and the high-tech industry.</p> <p>APT39’s focus on the telecommunications and travel industries suggests intent to perform monitoring, tracking, or surveillance operations against specific individuals, collect proprietary or customer data for commercial or operational purposes that serve strategic requirements related to national priorities, or create additional accesses and vectors to facilitate future campaigns. Government entities targeting suggests a potential secondary intent to collect geopolitical data that may benefit nation-state decision making. Targeting data supports the belief that APT39’s key mission is to track or monitor targets of interest, collect personal information, including travel itineraries, and gather customer data from telecommunications firms.</p>



	2018	<p>Bitdefender researchers have found attacks conducted by this actor in the Middle East region, dating back to 2018. The campaigns were based on several tools, including “living off the land” tools, which makes attribution difficult, as well as different hacking tools and a custom built backdoor.</p> <p>&lt;<a href="https://www.bitdefender.com/files/News/CaseStudies/study/332/Bitdefender-Whitepaper-Chafer-creat4491-en-EN-interactive.pdf">https://www.bitdefender.com/files/News/CaseStudies/study/332/Bitdefender-Whitepaper-Chafer-creat4491-en-EN-interactive.pdf</a>&gt;</p>
Counter operations	Sep 2020	<p>Treasury Sanctions Cyber Actors Backed by Iranian Intelligence Ministry</p> <p>&lt;<a href="https://home.treasury.gov/news/press-releases/sm1127">https://home.treasury.gov/news/press-releases/sm1127</a>&gt;</p>
Information		<p>&lt;<a href="https://www.fireeye.com/blog/threat-research/2019/01/apt39-iranian-cyber-espionage-group-focused-on-personal-information.html">https://www.fireeye.com/blog/threat-research/2019/01/apt39-iranian-cyber-espionage-group-focused-on-personal-information.html</a>&gt;</p> <p>&lt;<a href="https://www.symantec.com/connect/blogs/iran-based-attackers-use-back-door-threats-spy-middle-eastern-targets">https://www.symantec.com/connect/blogs/iran-based-attackers-use-back-door-threats-spy-middle-eastern-targets</a>&gt;</p> <p>&lt;<a href="https://securityintelligence.com/posts/observations-of-itg07-cyber-operations/">https://securityintelligence.com/posts/observations-of-itg07-cyber-operations/</a>&gt;</p> <p>&lt;<a href="https://www.ic3.gov/Media/News/2020/200917-2.pdf">https://www.ic3.gov/Media/News/2020/200917-2.pdf</a>&gt;</p> <p>&lt;<a href="https://www.bitdefender.com/files/News/CaseStudies/study/332/Bitdefender-Whitepaper-Chafer-creat4491-en-EN-interactive.pdf">https://www.bitdefender.com/files/News/CaseStudies/study/332/Bitdefender-Whitepaper-Chafer-creat4491-en-EN-interactive.pdf</a>&gt;</p>
MITRE ATT&CK		<p>&lt;<a href="https://attack.mitre.org/groups/G0087/">https://attack.mitre.org/groups/G0087/</a>&gt;</p>
Playbook		<p>&lt;<a href="https://pan-unit42.github.io/playbook_viewer/?pb=radioserpens">https://pan-unit42.github.io/playbook_viewer/?pb=radioserpens</a>&gt;</p>

Last change to this card: 16 August 2025

Download this actor card in [PDF](#) or [JSON](#) format

---

Source: <https://apt.eta.da.or.th/cgi-bin/showcard.cgi?u=d7f937b7-b50b-4022-bca1-9e403ffefe45>