

# Citadel (malware)

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**Citadel** is a piece of massively-distributed [malware](#) based upon [Zeus](#).<sup>[1]</sup> It targets credentials stored in [password managers](#) such as [Keepass](#), [Password Safe](#) and [neXus Personal Security Client](#).<sup>[2]</sup>

By 2017 (it was first identified in 2011)<sup>[3]</sup> Citadel had infected about 11 million computers worldwide and had caused over \$500 million in losses.<sup>[4]</sup>

On March 20, 2017, having been extradited from Norway to the United States, a Russian computer science professional [Mark Vartanyan](#) pleaded guilty to a computer fraud charge for his part in developing the Control Panel for Citadel. In July 2017, he was sentenced to 5 years in [federal prison](#).<sup>[5]</sup>

- [Conficker](#)
- [Command and control \(malware\)](#)
- [Gameover ZeuS](#), the successor to ZeuS
- [Operation Tovar](#)
- [Timeline of computer viruses and worms](#)
- [Tiny Banker Trojan](#)
- [Torpig](#)
- [Zeus \(malware\)](#)
- [Zombie \(computer science\)](#)

1. ↑ *Segura, Jérôme* (5 November 2012). *"Citadel: a cyber-criminal's ultimate weapon?"*. *Malwarebytes Labs*.
2. ↑ *"Cybercriminals Use Citadel to Compromise Password Management and Authentication Solutions"*. *securityintelligence.com*. 19 November 2014.
3. ↑ *"Citadel Banking Malware Is Evolving and Spreading Rapidly, Researchers Warn"*. *PCWorld*.
4. ↑ *"Russian sentenced in U.S. to five years prison for 'Citadel' malware"*. *Reuters*. 19 July 2017.
5. ↑ *"Russian Citizen who Helped Develop the "Citadel" Malware Toolkit is Sentenced"*. *www.justice.gov*. 20 July 2017.

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Source: https://en.wikipedia.org/wiki/Citadel\_(malware)