



SADD: Scalable Anonymous Disposable Desktops

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About Me

- Industry Experience

- Jackson CS Consulting LLC - CEO
 - Software Development
 - Penetration Testing
- Google - Software Engineer
- Synopsys - Research and Development Engineer
- Cigital - Cyber Security Consultant

- Education

- University of Alabama
 - Completing BS in Computer Science



Overview

- Browsing The Internet

- Anonymity
- Privacy
- Security

- Use Cases

- Ethical Hacking
- Business Protection
- Government Non-Culpability

- References

- SADD.IO

- Anonymity: Tor Network
- Privacy: Forensic disposal
- Security: Isolation

- Demo

- Website
- Windows
- Kali Linux

- Questions





Browsing The Internet

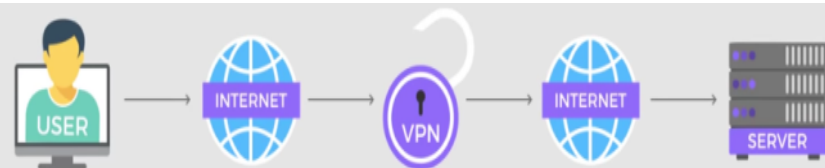
Barebones

- Anonymity
 - Easily Identifiable
- Privacy
 - Trackable and Traceable
- Security
 - Vulnerable



VPN

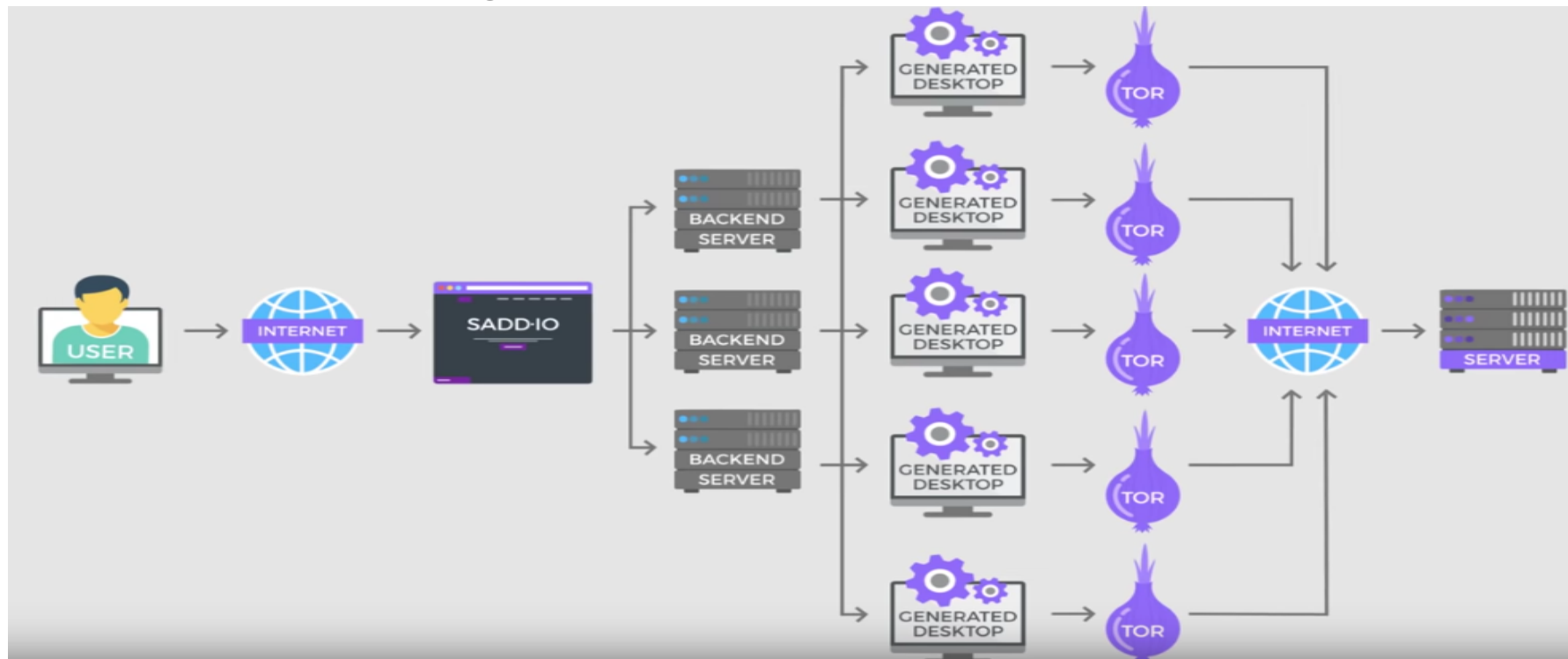
- Anonymity
 - Moderately Identifiable
- Privacy
 - Partial due to logging
- Security
 - Partially Vulnerable





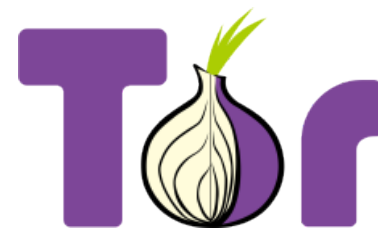
What is SADD.IO?

- A web-based service that provides a secure way for users to anonymously control self-disposing desktops.



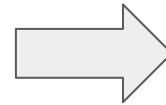
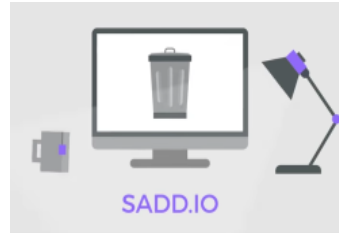
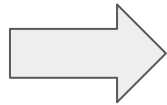
How Does SADD.IO Impact Internet Anonymity?

- Anonymity Network
 - Tor Network
- Operating System Fingerprint
 - All newly Generated Desktops have the same fingerprint
- User Session
 - 15 - 60 Minute Sessions
 - Randomized Session Tokens



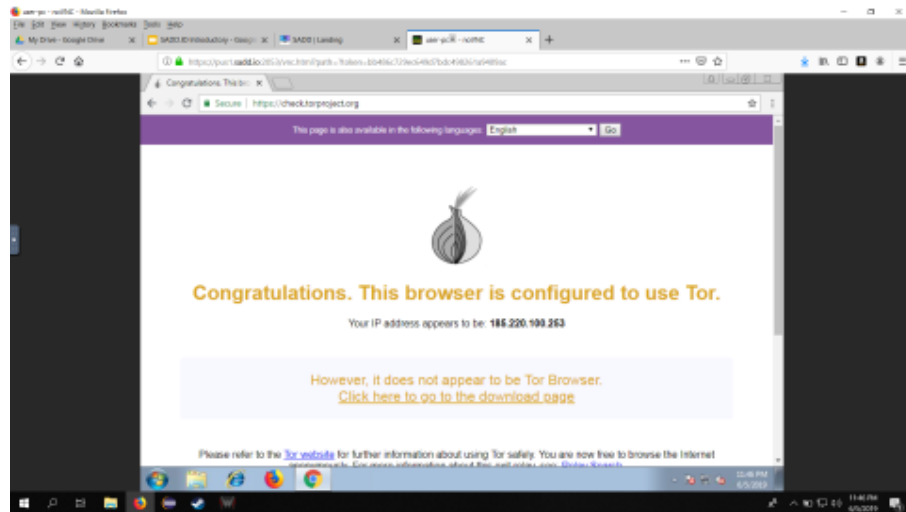
How Does SADD.IO Impact Internet Privacy?

- No Logging or History
 - Nothing done by users is tracked, saved, or recorded.
- Forensic Disposal
 - All desktops are destroyed by overwriting memory locations.



How Does SADD.IO Impact Internet Security?

- **Browser Isolation**
 - Users control desktops through their web browser.
- **Virtual Machines**
 - If infected, generate a new desktop.
- **Network Isolation**
 - Virtual Local Area Networks



Use Cases

- Ethical Hacking
 - Bridging the gap between Businesses and Hackers.
- Protecting Businesses
 - Employees can use these desktops without risking the Business.
- Government Non-Culpability
 - Government agencies can engage foreign targets with no risk of culpability.
- Testing Malware



Demo



References

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Questions?

