



# Toughlok A Zero Trust Desktop solution for comprehensive protection of digital assets and transactions

## WHAT IS IT?

Toughlok is a Zero Trust Desktop solution that combines several Lokblok technologies to create an ultra-secure, restricted workspace and operating environment for data at rest and data in use protection. By incorporating Toughkey, Toughvault, Toughbrowser, and Toughnet, Toughlok offers an end-to-end secure workspace for applications, data, communications, and transactions. While Toughlok Desktop is currently available on Windows, it will soon be compatible with MacBook, Linux, and small Raspberry Pi-like devices. The ultimate goal is to combine Toughkey and Toughlok to create a credit card-sized Toughlok Trusted Computing Environment, ensuring the security of digital assets and transactions anywhere.

## WHAT DOES IT DO?

Toughlok provides an ultra-secure workspace for users who want to be sure their activity is not being compromised. Rather than having to have a separate computer to use for a secure workspace, we have created a way for any organization to provide a secure login and desktop environment for any of their existing computers that locks down applications and web browsing.

**Toughlok offers several key functionalities to enhance security:**

### Ultra-Secure Windows 10 and 11 Installation:

Toughlok provides an ultra-secure Windows 10 and 11 installer with advanced security controls, ensuring that the operating system is well protected.

**Encrypted Virtual Vault:** Toughlok features a double-layer encrypted virtual vault, Toughvault, which remains invisible until authenticated using the

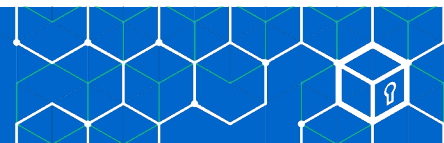


## Lokblok Zero Trust Ecosystem

**Toughkey.** This vault protects authorized applications and data from unauthorized access.

**Secure Application Access:** All applications within Toughlok are "dark" on the internet until the user authenticates using Toughkey. This process ensures that only authorized users can access the applications, further enhancing security.

**Restricted Workspace:** Toughlok blocks access to unauthorized devices, limits user interactions with the Windows 10 and 11 operating system and prevents access to external storage. The Toughvault only mounts and allows decryption after successful authentication using Toughkey. When the Toughkey is unplugged, the Toughlok vault immediately returns to an encrypted state and unmounts itself from the system.



## WHY USE IT?

Toughlok is essential for users dealing with sensitive data such as valuable cryptocurrencies and digital assets, as it delivers unmatched security to safeguard their activities. Leveraging Lokblok's Zero Trust Ecosystem technologies, Toughlok presents a multi-layered defense against numerous threats in today's complex digital landscape. With a locked down operating environment where only authorized services can run, military-grade authentication from Toughkey, encrypted storage via Toughvault, and a controlled browsing environment through Toughbrowser, and secure communications and networking with Toughnet, users can confidently go about their activities safe in the knowledge they're doing as much as is possible to protect their data.

Toughlok eliminates common attack vectors like keylogging, phishing, and man-in-the-middle attacks while also mitigating the risk of unauthorized access and data breaches. By restricting access to only approved applications and websites, Toughlok minimizes exposure to malware and other malicious content. As a result, users can securely manage their digital assets and perform transactions with peace of mind, knowing they are protected by the robust Lokblok Zero Trust Ecosystem.

## TECHNICAL SPECIFICATION

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Windows 10 and 11

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MFA

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Application Specific Browser

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Whitelisted Apps

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AES-256 Encrypted Vault

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## SUMMARY

Toughlok is a powerful Zero Trust Desktop solution that brings together Lokblok's cutting-edge technologies to provide an ultra-secure, restricted workspace and operating environment. By integrating Toughkey, Toughvault, Toughbrowser, and Toughnet, Toughlok offers end-to-end protection for applications, data, communications, and transactions. As the digital landscape continues to evolve, Toughlok provides a robust security solution that users can rely on to safeguard their digital assets and activities from various threats.