TRUSTEDKEEP

twosix TECHNOLOGIES

Zero Trust that works with you.

Mission Focus

TrustedKeep secures your enterprise data with Attribute-Based Access Control and quantum-resistant encryption, seamlessly integrating across your cloud, hybrid, and on-premise environments.

Attribute-Based Access Control

Using industry-standard OPA Rego policies for access control, TrustedKeep supports lightning fast decisions with the flexibility to incorporate the attributes of your data, your users, your systems, your networks, and even your endpoints.

Tamper-Proof Data

TrustedKeep embeds the attributes of the data into the encrypted payload, and signs them using a digital signature, ensuring that any tampering with the attributes will prevent access to the encrypted payload.

Standards-Based Security

TrustedKeep is fully OIDC compliant, and can act as a source for Identity and Entitlement information as well as federating with other OIDC providers. Our object storage and encryption services are format agnostic, with built-in support for open standards like the Trusted Data Format.

Ultimate Resilience

TrustedKeep is a highly secure, highly resilient layer for data protection. Encryption keys, access control policies, and more can be managed at the tenant level and replicated multi-directionally. Updates and patching are performed on live clusters with zero downtime.

Policy Enforcement Anywhere

TrustedKeep layers ABAC and encryption on top of your existing services, whether they are home-grown or industry standards like AWS S3, nats.io, or MCP servers for Agentic AI systems. Our cloud service endpoints expose AWS interfaces, but can execute operations in any cloud (and on-premise), even mirroring operations between environments.

Enhanced Security

Multi-Cloud and On-Premise

Enterprise Message Bus

Post-Quantum Ready

TrustedKeep incorporates NIST recommended Post-Quantum algorithms for key exchange (ML-KEM-768) and digital signatures (ML-DSA-44) throughout the product, including allowing use of Post-Quantum TLS in supporting environments. For symmetric encryption TrustedKeep leverages AES-256 extensively.

TK goes deep in User, Network, and Data ZTA capabilities, with API integrations for others.

The 45 Capabilities support Target Level and Advanced ZT

	Target	Target & Advanced	Advanced
User	User Inventory. Least Privileged Access.	Conditional User Access. Multifactor Authentication. Privileged Access Mgmt. Identity Federation and User Credentialing. Behavioral, Contextual ID, & Biometrics. Continuous Authentication. Integrated ICAM Platform.	
Device	Partially & Fully Automated Asset, Vulnerability and Patch Mgmt. Unified Endpoint Management (UEM) & Mobile Device Management (MDM).	Device Inventory. Device Detection and Compliance. Device Authorization w/ Real Time. Remote Access. Endpoint & Extended Detection & Response (EDR & XDR).	
Application & Workload	Application Inventory. Software Risk Management.	Secure Software Development & Integration. Resource Authorization & Integration.	Continuous Monitoring and Ongoing Authorizations.
Data	Data Catalog Risk Alignment. DoD Enterprise Data Governance.	Data Labeling & Tagging. Data Monitoring & Sensing. Data Encryption & Rights Mgmt. Data Loss Prevention (DLP). Data Access Control.	
Network & Environment	Data Flow Mapping. Macro Segmentation.	Software Defined Networking. Micro Segmentation.	
Automation & Orchestration	Machine Learning. API Standardization.	Policy Decision Point (PDP) & Policy Orchestration. Critical Process Automation. Security Orchestration, Automation & Response (SOAR). Security Operation Center (SOC) & Incident Response (IR).	Artificial Intelligence.
Visibility & Analytics	Log All Traffic. Common Security & Risk Analytics. Threat Intelligence Integration.	Security Information and Event Mgmt. (SIEM). User & Entity Behavior Analytics (UEBA).	Automated Dynamic Policies.

Open Standards Support

Identity Management
OIDC - Fully compliant provider
MFA
HOTP / TOTP - For legacy MFA
Passkey - Modern highly secure MFA

Data Formats
TDF - Producer and Consumer
Encryption
FIPS 140-3 Validated Algorithms

Sales and Inquiries

TrustedKeep is available for direct sale or through our resale partners. For more information visit our website at TwoSixTech.com/TrustedKeep, or contact us at Solutions@twosixtech.com

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