

Luna Key Broker for Microsoft Double Key Encryption (DKE)

ABOUT THALES LUNA KEY BROKER:

Thales Luna HSMs and Double Key Encryption for Microsoft 365 work together to enable organizations to protect their most sensitive data while maintaining full control of their encryption keys. The solution uses two keys to protect data. One key is in the customer’s control in a FIPS 140-2 Level 3 validated Luna HSM and a second key, which is stored securely in Microsoft Azure. Both keys are required to access protected data, ensuring that Microsoft and other third parties never have access to the protected data on their own.



“Our collaboration and productivity tools for Microsoft 365 customers are designed to enable companies to thrive in any situation. A key part in enabling this to happen is ensuring they have the best security and compliance solutions when it comes to protecting sensitive data. Our Double Key Encryption integration with Thales enables customers who have enhanced data protection requirements, compliance obligations and regulatory restrictions to protect their highly sensitive information. By having full control of their encryption keys, customers can be certain that no third-party has access to their unencrypted data -- including Microsoft. Security should never be something that holds companies back in this remote era and from moving their sensitive information to the cloud, and with Thales, we’re ensuring it won’t for our customers.”

– Imran Mohiuddin, DKE partner director, Microsoft

WHAT WE OFFER

Today’s remote working environment relies heavily on the collaborative sharing of information, challenging organizations to maintain the security of confidential data and regulatory compliance while driving employee productivity. For organizations in highly regulated industries such as financial services, governments and healthcare, their sensitive data requires the highest level of control and security.

Organizations can protect their most sensitive data with confidence while maintaining full control and ownership of their encryption.

Solution Features and Benefits:

- **Enhanced Control Over Data and Keys:** Luna Key Broker for Microsoft DKE provides a secure foundation of trust for the double key encryption process. It gives organizations sole control over who has permission to access keys to decrypt protected data.
- **Key Life Cycle Management:** Secure generation, storage, and protection of encryption keys in a FIPS 140-2 level 3 validated Luna HSM outside of Microsoft Azure.
- **Security and Compliance:** Help meet internal policy and compliance mandates including regulations such as GDPR, HIPAA and Schrems II. Master encryption keys are held in a Luna HSM separate from where sensitive data resides. This provides a FIPS 140-2 Level 3 root of trust, and ensures separation between sensitive data and encryption keys.
- **Flexible Deployment:** Luna Key Broker for Microsoft DKE can be deployed either in the cloud, on-premises or in hybrid environments. The solution works with Luna Network HSMs and Luna Cloud HSMs.



Why Microsoft Azure?

Be future-ready

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow. With 1,000+ new capabilities in the past year, you can build on the latest advancements in AI, blockchain, Kubernetes, containers, and databases to keep you ahead of the curve.

Our enterprise grade analytics solution outperforms the competition, costs less, and is fully compatible with your existing development, BI, and data-science tools.

Operate hybrid seamlessly

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with tools and services designed for hybrid cloud.

Enhance security, simplify access, and set smart policies across your different environments with a single-identity platform trusted by 90% of enterprises globally.

Build on your terms

You have choices. With a commitment to open source and support for all languages and frameworks, build and deploy how you want to. Take advantage of the full-featured, integrated development environments with built-in support Visual Studio and Visual Studio Code, the most popular IDEs trusted by 15M+ developers.

We embrace open source, drive innovation through collaboration, and contribute back to the community.

Trust your cloud

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

With a \$1B+ investment in security R&D and 3,500 cybersecurity experts, security is foundational for Azure.



Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

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