

Product Brochure



UTIMACO DKE Anchor for Microsoft Purview Double Key Encryption

Member of
Microsoft Intelligent
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Creating Trust in
the Digital Society

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UTIMACO
DKE Anchor

In a Nutshell

The utilization of Microsoft 365 on Azure Cloud is increasing and so is the necessity for data protection

The digital era is witnessing an ever-increasing collaborative work culture. More and more employees in every industry are using tools like Microsoft 365 on Azure Cloud to enhance their productivity and keep their data up to date.

Microsoft, in general, provides excellent security to customers' data in the cloud but there is a growing demand for additional security to sensitive data. Securing data with encryption keys that are managed and controlled in-house is considered the optimal security practice for Microsoft 365. With the increasing data and the need for its protection, companies are also looking for a solution that meets the regulatory compliance requirements.



Two-Tier Security for the Most Sensitive Data in Azure Cloud

UTIMACO DKE Anchor is an enhanced security offering for Double Key Encryption (DKE) with Microsoft Purview (formerly Microsoft 365 compliance) which is increasingly being utilized by all industries complying with the regulations such as GDPR, FISMA, and eIDAS. UTIMACO DKE Anchor is the solution of choice for double key encryption where:

- Customers want to protect sensitive data on Azure cloud
- Customers need to meet compliance mandates

Solution Features and Benefits

Two-Tier Security

Apply two-layer security for the most sensitive data



Key Life Cycle Management

Securely generate and store encryption keys with UTIMACO HSMs that are FIPS 140-2 Level 3 validated, Common Criteria (CC) certified and VS-NfD approved



Meet Compliance Standards

Meet the compliance requirements for regulations like GDPR, HIPAA, FISMA, and PCI DSS while securely protecting the keys



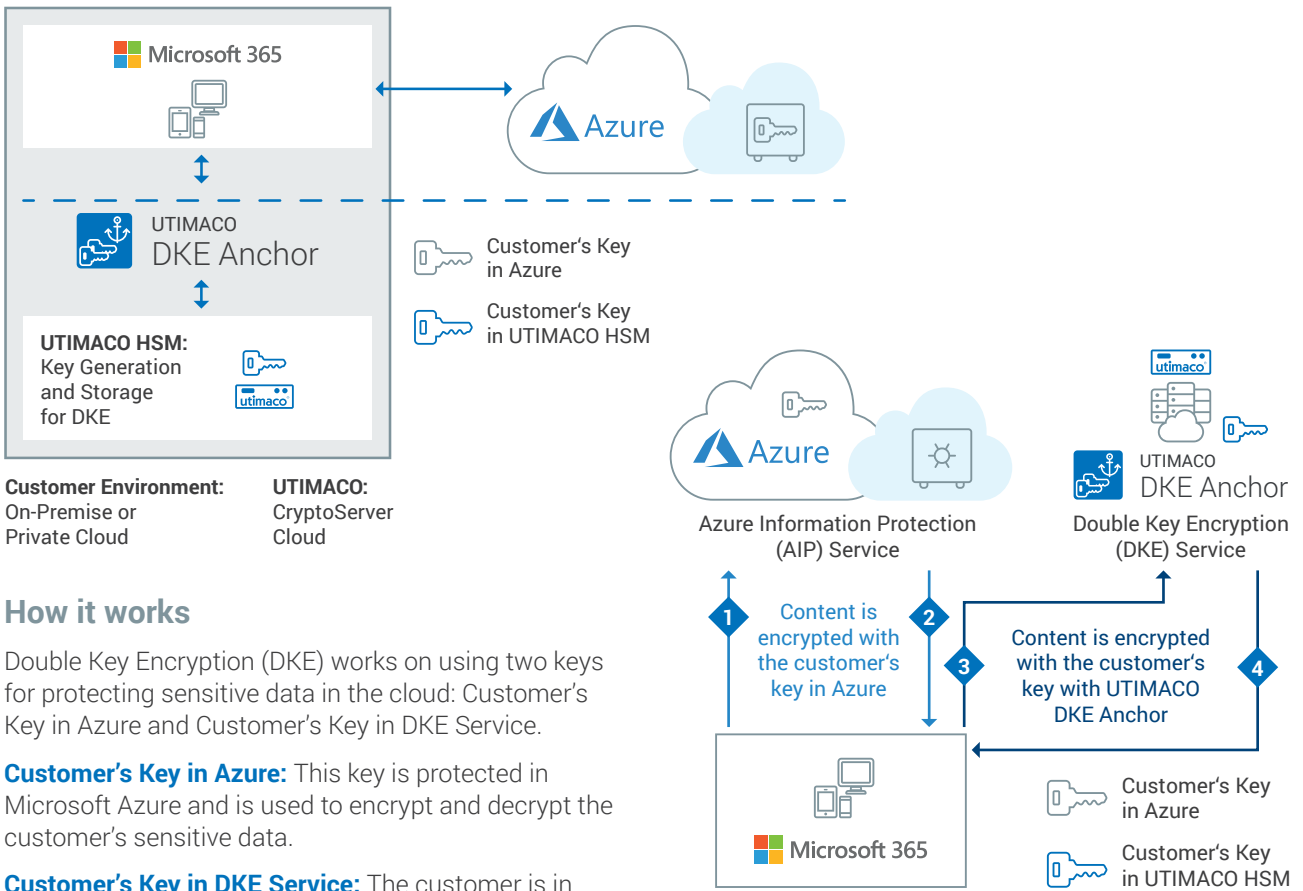
Flexible Deployment

UTIMACO DKE Anchor enables customers to deploy the double key encryption either on-premises or in the cloud



Microsoft Purview DKE with UTIMACO DKE Anchor

UTIMACO DKE Anchor is based on UTIMACO's HSMs. These HSMs are FIPS 140-2 Level 3 validated, Common Criteria (CC) certified and VS-NfD approved to ensure that the customer's sensitive data is hosted separately compared to the encryption keys.



How it works

Double Key Encryption (DKE) works on using two keys for protecting sensitive data in the cloud: Customer's Key in Azure and Customer's Key in DKE Service.

Customer's Key in Azure: This key is protected in Microsoft Azure and is used to encrypt and decrypt the customer's sensitive data.

Customer's Key in DKE Service: The customer is in complete control of this key at the location of his choice to encrypt and decrypt the data. The key is secured in UTIMACO's HSMs which can be deployed either in the cloud or on-premises.

Even if a key is compromised, the data is protected. Without access to both keys, the relevant data remains securely encrypted.

Industries

Automotive and Integrated Mobility	Banking and Financial Services	eHealth	Government and Public Sector
Insurance Sector	Manufacturing and IoT	Energy and Utilities	Lottery and Gaming
Media and Entertainment	Telecommunications		

We are here to help

UTIMACO experts will help you create a DKE strategy including an implementation and deployment outline. Industries will need UTIMACO's HSM and UTIMACO DKE Anchor for [Microsoft Purview DKE](https://docs.microsoft.com/en-us/microsoft-365/compliance/double-key-encryption?view=o365-worldwide).¹

¹ <https://docs.microsoft.com/en-us/microsoft-365/compliance/double-key-encryption?view=o365-worldwide>

About UTIMACO

UTIMACO is a global platform provider of trusted Cybersecurity and Compliance solutions and services with headquarters in Aachen (Germany) and Campbell, CA (USA).

UTIMACO develops on-premises and cloud-based hardware security modules, solutions for key management, data protection and identity management as well as data intelligence solutions for regulated critical infrastructures and Public Warning Systems. UTIMACO is one of the world's leading manufacturers in its key market segments.

500+ employees around the globe create innovative solutions and services to protect data, identities and communication networks with responsibility for global customers and citizens. Customers and partners in many different industries value the reliability and long-term investment security of UTIMACO's high-security products and solutions.

Find out more on utimaco.com



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