# PARABLU

# BLUKRYPT

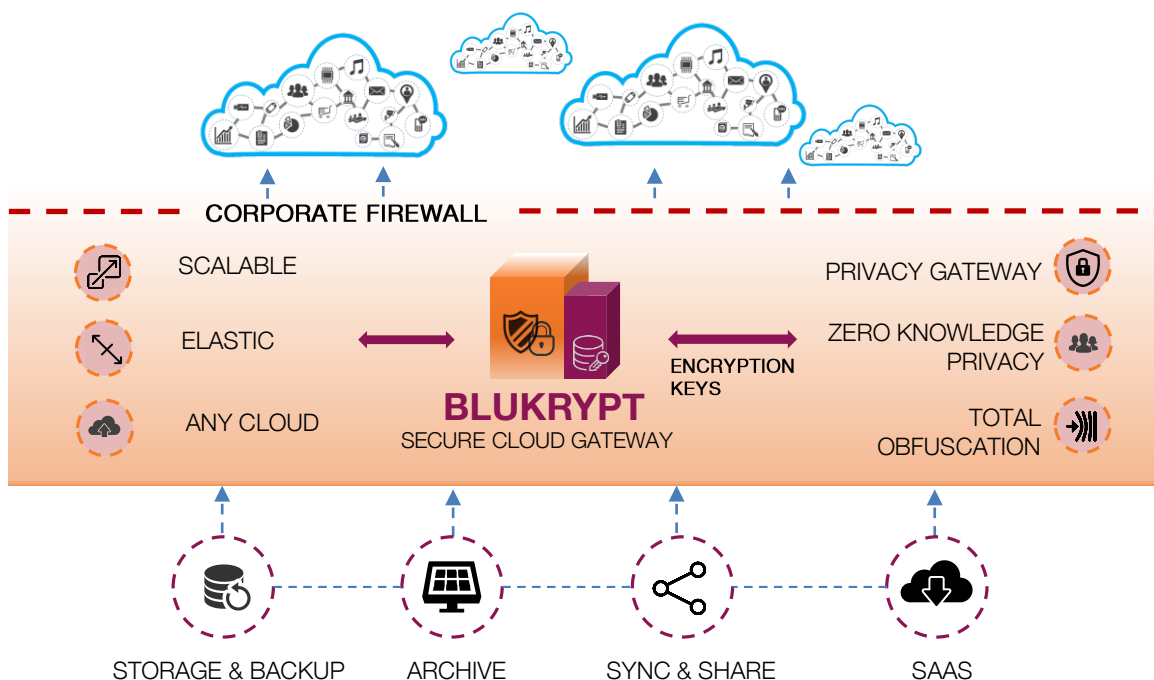## THE CLOUD'S NEVER BEEN MORE SECURE

The Privacy Gateway that completely secures your critical data on the cloud

DATASHEET

# Total security and privacy on the cloud

BluKrypt is a Privacy Gateway that completely secures your critical data on the cloud. Whether the data is in your collaboration tools, archive & backup platforms or SaaS applications, BluKrypt, which can be installed on-premise or hosted in the cloud, gives you total control over data security. BluKrypt enables enterprises to fully manage security policy enforcement irrespective of where the digital assets are stored – public cloud, private cloud or local data stores.

BluKrypt uses encryption among other techniques, to fully obfuscate data before it leaves the enterprise and makes its way into the cloud. The solution is completely storage agnostic and supports multiple cloud targets, including local disks. As opposed to CASBs, which mainly rely on DLP-like policies to determine whether a file can be sent into the cloud or not, BluKrypt allows data to freely move into the cloud, but obfuscates it thoroughly to ensure complete privacy and security. This means less work-place disruption for employees and a higher degree of safety and control for enterprises.



CORPORATE FIREWALL

SCALABLE

ELASTIC

ANY CLOUD

**BLUKRYPT**
SECURE CLOUD GATEWAY

ENCRYPTION KEYS

PRIVACY GATEWAY

ZERO KNOWLEDGE PRIVACY

TOTAL OBFUSCATION

STORAGE & BACKUP    ARCHIVE    SYNC & SHARE    SAAS

## Complete data encryption

BluKrypt ensures that any data leaving the network perimeter is encrypted before it travels to its cloud destination. This encryption is persistent. It isn't just encryption "in-flight". The data remains encrypted with the enterprise's keys even once the data reaches the cloud destination and is at rest. Most importantly, the enterprise is in complete control of the encryption keys.

## Total data obfuscation

BluKrypt doesn't merely encrypt data – it obfuscates it thoroughly. File names, folder names etc. become undecipherable on the target storage when BluKrypt is in use. Files may also be chunked up into smaller components and encrypted separately. Parablu's solution ensures that piecing together data off the target cloud storage is completely impossible unless the user has authenticated themselves appropriately, at which point, BluKrypt de-obfuscates and decrypts the data back to its original form. Parablu manages this by maintaining a complete catalog, key map and pointers to all data that it processes. Here is a quick snapshot of how Parablu obfuscates data.
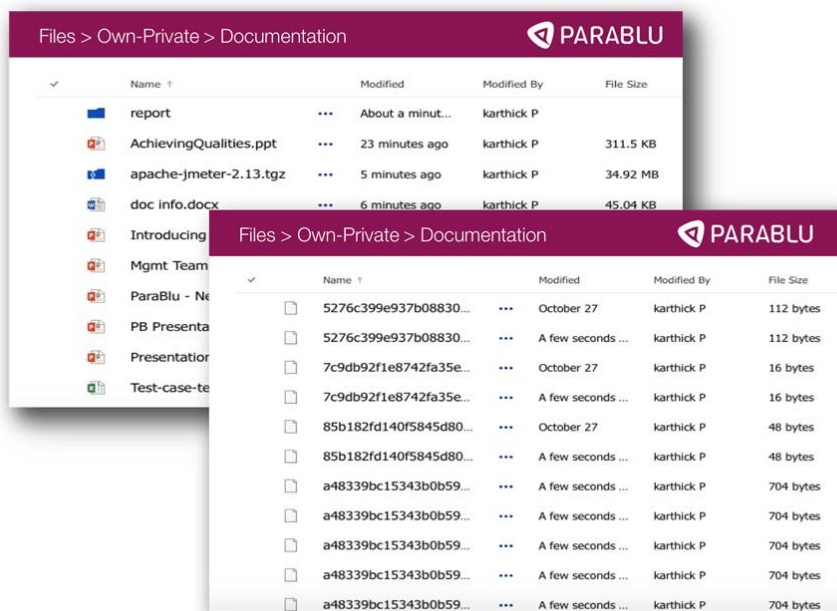


## Secure data access anywhere

Parablu solution enables the travelling employees to seamlessly access the data from anywhere. The BluKrypt gateways in each location are constantly in sync with a central management tier – the ParaCloud. The ParaCloud has access to the Master Catalog of all data processed through all the BluKrypt gateways. Thus an employee or their endpoint system, no matter where they're located, always enjoys seamless access to their data. Their files are decrypted by the BluKrypt gateway most proximal to their location and served up to them with no hassles. The distributed nature of the solution enables Parablu to easily scale to hundreds of offices and company locations.

## High-performance and scalable solution

ParaCloud allows the endpoints to efficiently offload the burden of encryption and decryption. This means no performance degradation on employee desktops and laptops.

# FEATURES & BENEFITS

### Zero-knowledge privacy
The encryption keys never leave your enterprise network. Neither your cloud storage provider, nor Parablu will have access to the encryption keys.

### Access control
You can allow only certain people or teams access to specific folders. It's easy to set up and works seamlessly.

### Enterprise audit trail
Completely auditable and provides detailed reports. All touch points on the system get audited automatically.

### Integration with enterprise name spaces
Readily integrates with LDAP based enterprise name spaces, such as Active Directory.

### Offloaded encryption
Data encryption is completely offloaded to the BluKrypt gateway. Your endpoint and server devices don't have to perform any extra tasks in order to enable the encryption or obfuscation.

### Storage & cloud agnostic
Works with on-device storage, NAS, SAN or cloud based storage. Works with any cloud provider of your choice.

### Scalable across geographies
Works across different geo-locations and still allows convenient, centralized policy administration. It is easy to build redundancy and fail-over in architecture to ensure that you have zero downtime.

### Enterprise class scalability
Smart cataloging allows you to scale without limits both in terms of file sizes or numbers of files.

### Special features
- Content indexing and full text search
- Policy based versioning
- Built-in redundancy
- Smart caching
- Scale across geographies
- Support for multiple cloud destinations

## ABOUT US

Parablu is a leading provider of data security and resiliency solutions for the digital enterprise. These solutions protect enterprise data completely and provide total visibility into all data movement through centrally managed intuitive dashboards. Parablu's products include BluVault – a suite of powerful and secure data backup solutions designed for the cloud and BluSync™ – a suite of solutions designed for secure managed file transfer, secure collaboration, and file services. Both the solutions holistically address enterprise data protection needs and can be easily bridged with existing infrastructure – offering cost-effective data protection overall.