

Enterprise Key Controller



Get an extra layer of security for companies using the Public Cloud or 3rd party data centers

Security and control for public cloud data protection

The Carbonite Enterprise Key Controller uniquely provides an extra layer of security for companies using the Public Cloud or 3rd party data centers to host their Carbonite Endpoint Backup Vault. Companies gain the economic benefits of the public cloud while keeping the enterprise recovery key for devices in a separate location like the corporate IT infrastructure.

This ensures that even if the data is seized by an entity like the federal government, that entity will not have the ability to restore and access corporate data because the enterprise recovery key is not in the public cloud along with the company's data. To get the key, the seizing entity would need to get it from within the company's infrastructure, and not in the cloud. The Carbonite Endpoint Backup Enterprise Key Controller is unique as other vendors store keys with the data store in the cloud – whether that cloud is public/private or on-premises.

Typical deployment

- **Deploy in the public cloud:** Customers leverage a Public Cloud, like Microsoft Azure, for a centrally managed Carbonite Endpoint Backup Vault that will store all protected data as AES256 bit encrypted blocks in blob storage.
- **Install Enterprise Key Controller on-premises:** Customers then work with Carbonite Professional Services to install on their premises a Windows Server 2008 R2 with the Enterprise Key Controller software installed.
- **Provide encryption key:** Once the Enterprise Key Controller is installed, an end user can only recover their device from the centralized Carbonite Endpoint Backup Vault with an encryption key provided from the Key Controller. Once the key is provided, the device's data will be restored/downloaded from the Carbonite Endpoint Backup Vault running in the public cloud.

With Carbonite Endpoint Backup's security model, the data is never decrypted at any point until the key is provided – including during the global client-side deduplication process.

Key Use-cases

- Multi-national corporations with jurisdiction issues who need to ensure that their data is under their control at all times
- Industries with confidential client information like Healthcare, Financial Services, and Legal Services
- Companies with proprietary intellectual property like technology and pharmaceuticals.

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