ENTRUST KEYCONTROL

Managing and automating your key lifecycle in Microsoft Azure & AWS
Organizations want to migrate workloads to the cloud but prefer to retain control over the keys used by their Cloud Service Providers (CSPs)

- Cryptographic keys are used by the applications you use in the cloud
- Security-conscious organizations want to own and control these keys throughout their lifecycle
- CSP generated keys are sticky and can make migration to other CSPs hard
- CSPs can be opaque – isn’t it more reassuring when you know where and how your keys have been created?
- Organizations want to automate their key management process from inception through to retirement
Entrust KeyControl Bring Your Own Keys (BYOK) to Multi-Cloud Environments

- Not just Bring Your Own Key (BYOK)!
  - Management and Automation

- Full granular control and key lifecycle management for CMKs (customer master keys) in Microsoft Azure and AWS
Entrust KeyControl Bring Your Own Keys (BYOK) to Multi-cloud Environments

- Not just BYOK!
- Full control and key lifecycle management for CMKs (customer master keys) in Azure and AWS
- FIPS 140-2 certified
- Customer generated and native Azure and AWS cryptographic keys
- Unified single pane of glass, graphical user interface (GUI)
Entrust KeyControl/DataControl Key lifecycle management and automation in multi-cloud environments

- Simplifies process of creating customer’s keys and exporting to Azure and AWS
- Leverages nShield HSMs for creating cryptographic material
- Full control over Customer’s Master Key in Microsoft Azure and AWS
- Keys backed up (and recoverable) in KeyControl, Key Escrow
- Granular Key lifecycle management
  - expiry actions - disable, delete key material
  - key rotation
- Unified key management experience via GUI/tool – single pane of glass
  - Manage native Azure, AWS keys and
  - KMS generated keys

Key Lifecycle management enables fine grained control of:
- Key rotation
- Key expiry
- Key Deletion

Common Management GUI/ interface
- Simple, unified GUI management experience for:
  - Keys originated in KeyControl and native Microsoft & AWS keys

Audit Logging
- Generated in KeyControl

nShield HSM
- FIPS 140-2 Level 3 certified
- Strong entropy source for key generation
Next Steps

» KeyControl data sheet available here
» Key Management for dummies guide here
» Sign up for a free KeyControl Trial here

To find out more about Entrust KeyControl:
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