Managing and automating your key lifecycle in AWS
Maintain control of your keys in the cloud

Business problem

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.

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?

Security-conscious organizations want to own and control these keys throughout their lifecycle.

Organizations want to automate their key management process from inception through to retirement.
Entrust KeyControl
Bring Your Own Keys (BYOK) to AWS

- It's not just Bring Your Own Key (BYOK)!
  - It offers Management and Automation of your keys
- Full control and key lifecycle management for customer master keys (CMKs) in AWS
Entrust KeyControl Manage Your Own Keys… (MYOK) to AWS

- Fully manage keys used in AWS to encrypt all services?
- Key generation
- Key rotation (manual and scheduled)
- Management of unlimited keys/key sets
- Ability to import existing keys from AWS
- Ability to suspend not just revoke keys
Entrust KeyControl/DataControl Key lifecycle management and automation in AWS

- Simplifies process of creating customer’s keys and exporting to AWS
- Leverages nShield HSMs for creating cryptographic material
- Full control over Customer’s Master Key in AWS
- 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 AWS keys and
  - KMS generated keys

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

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

3. Audit Logging
   - Generated in KeyControl

4. Audit Logging
   - 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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