ENTRUST KEYCONTROL

Managing and automating your key lifecycle in Microsoft Azure & AWS

BUSINESS PROBLEM:

Maintain control of your keys in the cloud

Organizations want to migrate workloads to the cloud but prefer to retain control over the keys used by their Cloud Service Providers (CSPs)

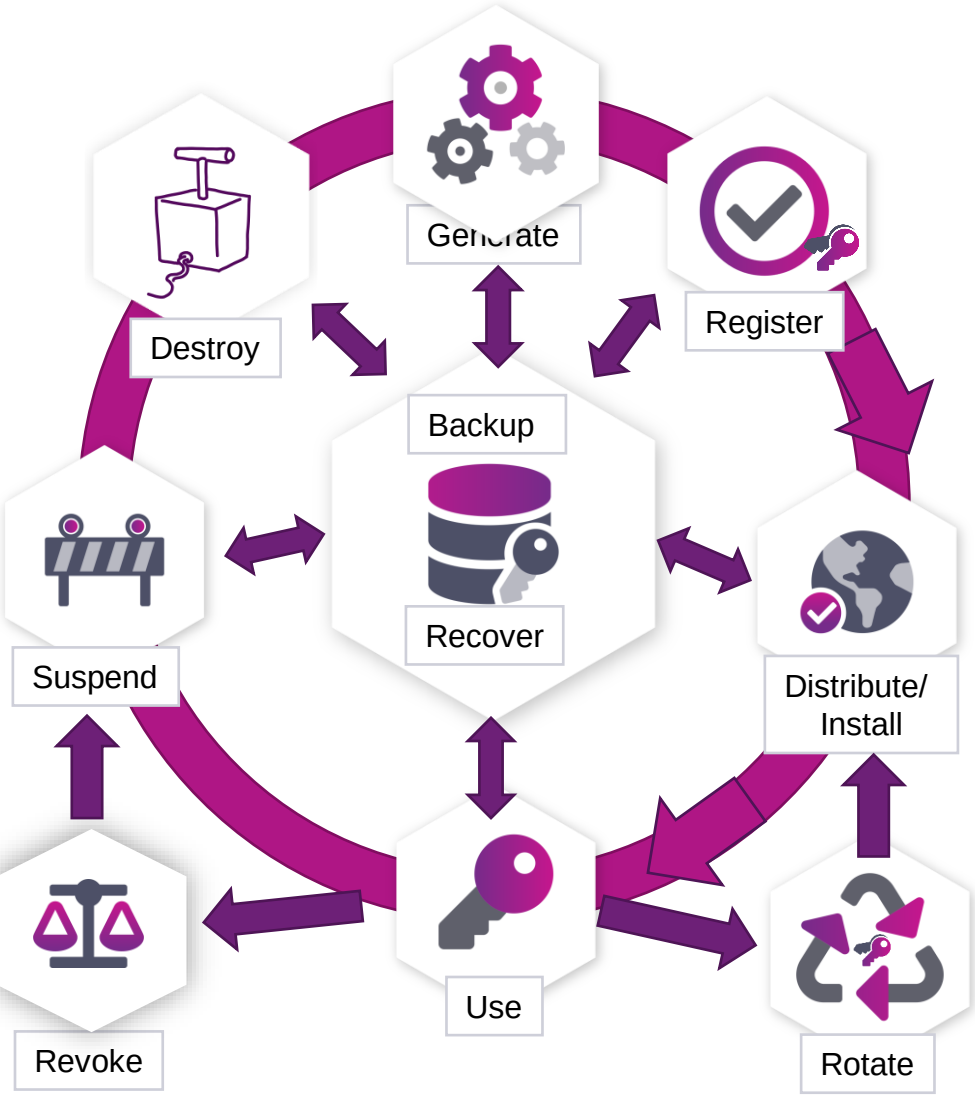
- Cryptographic keys are used by the applications you use in the cloud
- Security-conscious organizations want to own and control these keys throughout their lifecycle
- CSP generated keys are sticky and can make migration to other CSPs hard
- CSPs can be opaque – isn't it more reassuring when you know 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)



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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

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 Microsoft & AWS keys
3. Audit Logging
   - Generated in KeyControl
4. 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:
  - info@entrust.com
  - entrust.com/contact