

What you need to know about keys

- **Data Encryption Keys (DEK – symmetric – your algorithm choice and key length)**
 - Used to encrypt user data at the agent
 - Never stored in the clear, stored in DSM protected by KEK
 - Symmetric key for performance reasons
 - Generator never seeks the actual key value
- **Key Encrypting Keys (KEK – asymmetric – RSA 2048)**
 - Certificate Authority Key – protects the internal key store
 - VMD Keys – protects on-wire transmission of keys
 - Random Keys – protects key cache