



PATTERNS

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**KEY REFRESH**

# KEY REFRESH



**Problem:** Keys must only be used for a limited amount of data

**Solution:** Design for (constant but not frequent) key rollover

Record-ID	Version	Masterkey ID (Data...)	
B9E10DEE-C97E-...	1	B874920B-E801...	...
FDE0C6E3-8BF0-...	1	9A6580FC-1248...	...
...	3	9A6580FC-1248...	...

ATTENTION: REENCRYPTING OPENS A WINDOW OF ATTACK — BEST USE THE NEW KEY FOR NEW DATA!