



## **PATTERNS**

## KEY DERIVATION 2: FROM 1 TO N

## **DERIVE PER RECORD KEYS**



**Problem:** Use different keys for different records, only store master key.

**Solution:** Use <u>key derivation</u> to derive per-record keys.

$$+ r_1.id + r_1.ver \rightarrow + r_2.id + r_2.ver \rightarrow + r_n.id + r_n.ver \rightarrow + r_n.ver$$