



### JENS NEUHALFEN

### SLEEP BETTER WITH CONTENT ENCRYPTION

### **ACCESS CONTROL**



# 1. Alice enters her password

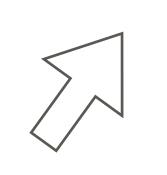
## 2. Application decrypts her strong long-term key

# 3. Alice now has her long-term key



# Alice's long term secret key encrypted with her password.









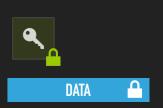
(1)

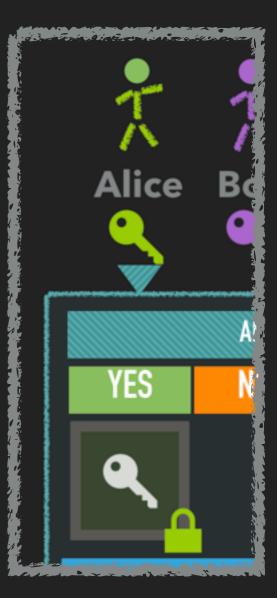
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### DECOUPLE PASSWORD AND LONGTERM KEY TO ALLOW EASY PASSWORD CHANGES

## **ACCESS CONTROL**

### **Situation:**



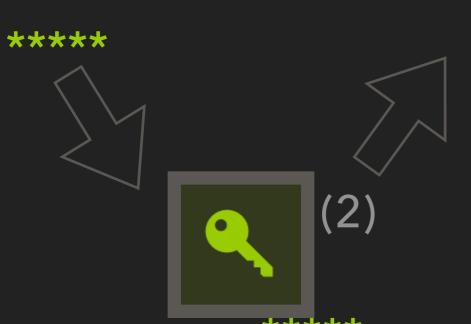


### **ACCESS CONTROL**









- Alice enters her password
- Application decrypts her strong long-term key
- 3. Alice now has her long-term key

Alice's long term secret key encrypted with her password.