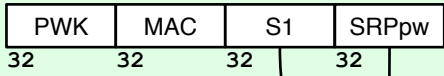


# Browser



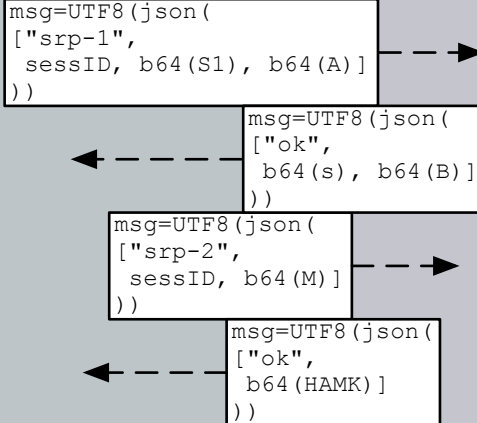
# Storage Server



## REQUEST

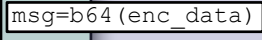
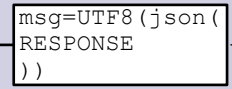
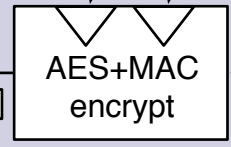
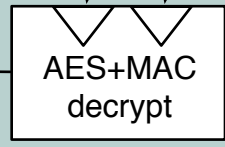
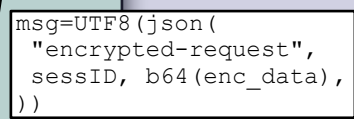
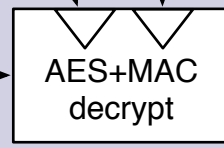
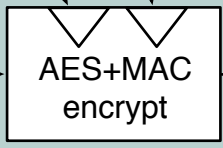
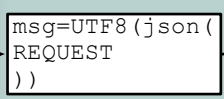
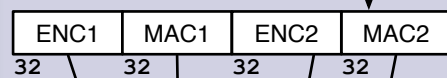
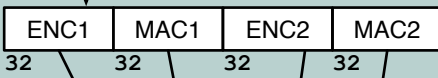
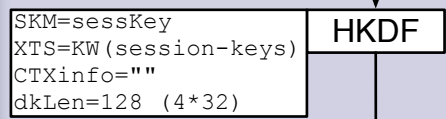
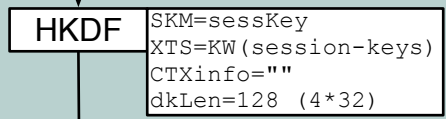
sessID

## SRP

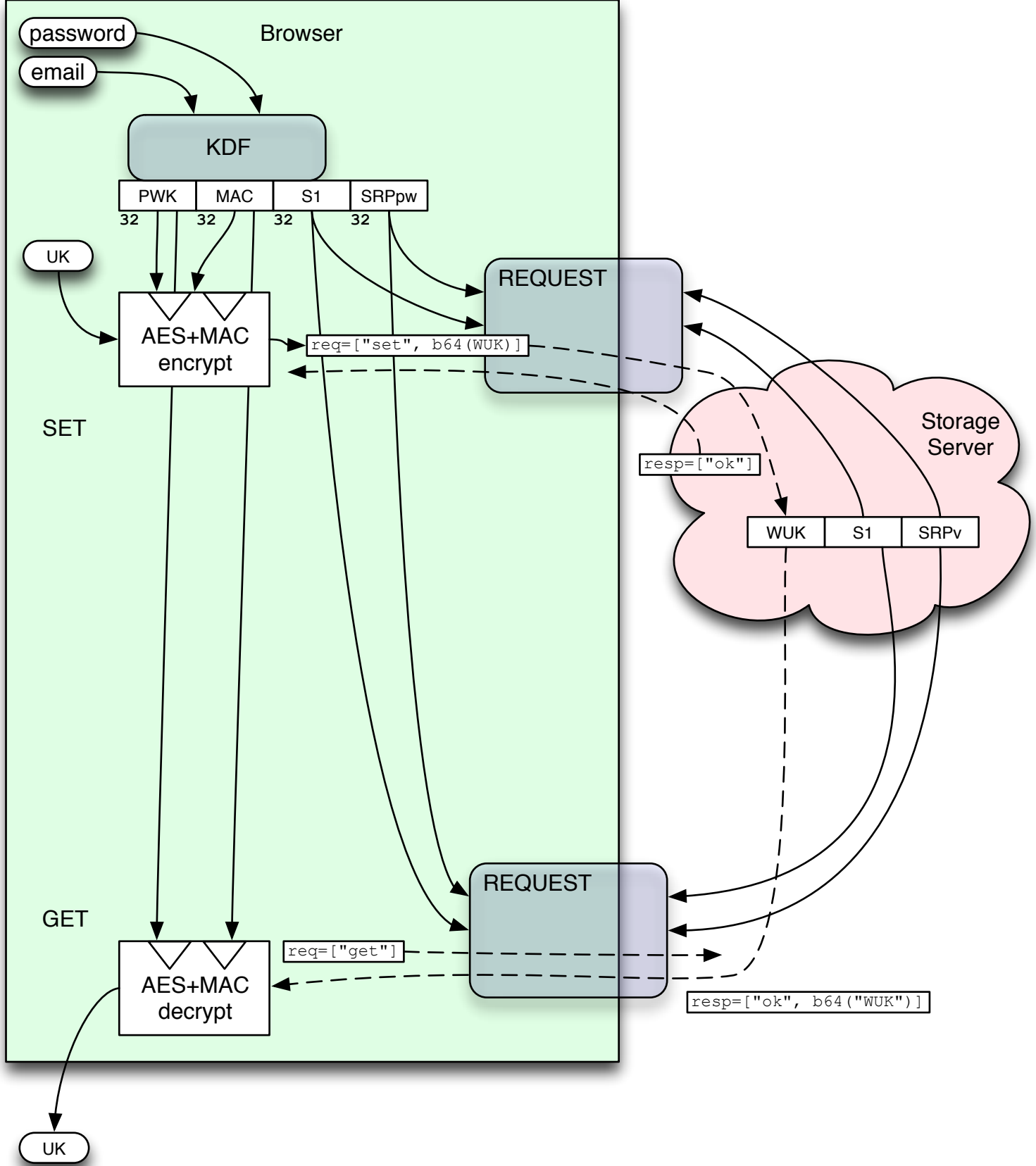


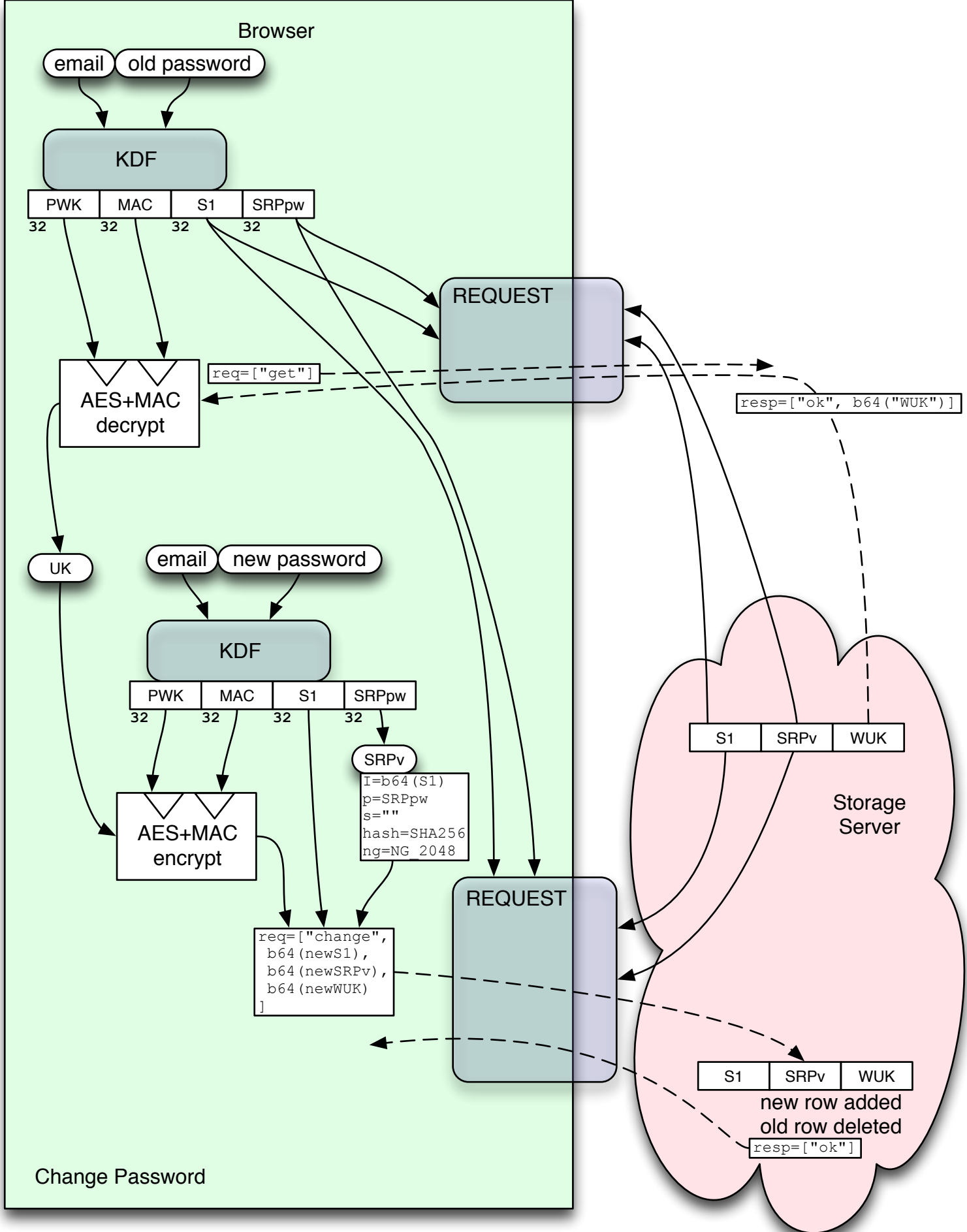
sessKey

sessKey



sessID = b64(256-bit random string)  
different for each request





**Browser**

email old password

KDF

PWK 32 MAC 32 S1 32 SRPpw 32

REQUEST

AES+MAC  
decrypt

req=["get"]

resp=["ok", b64("WUK")]

UK

email new password

KDF

PWK 32 MAC 32 S1 32 SRPpw 32

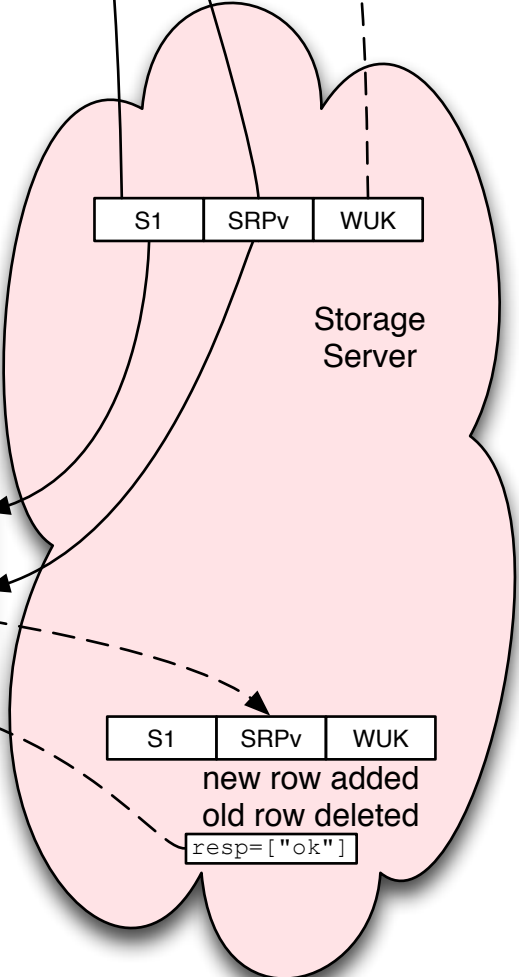
AES+MAC  
encrypt

SRPv

I=b64(S1)  
p=SRPpw  
s=""  
hash=SHA256  
ng=NG\_2048

req=["change",  
b64(newS1),  
b64(newSRPv),  
b64(newWUK)  
]

REQUEST



**Change Password**