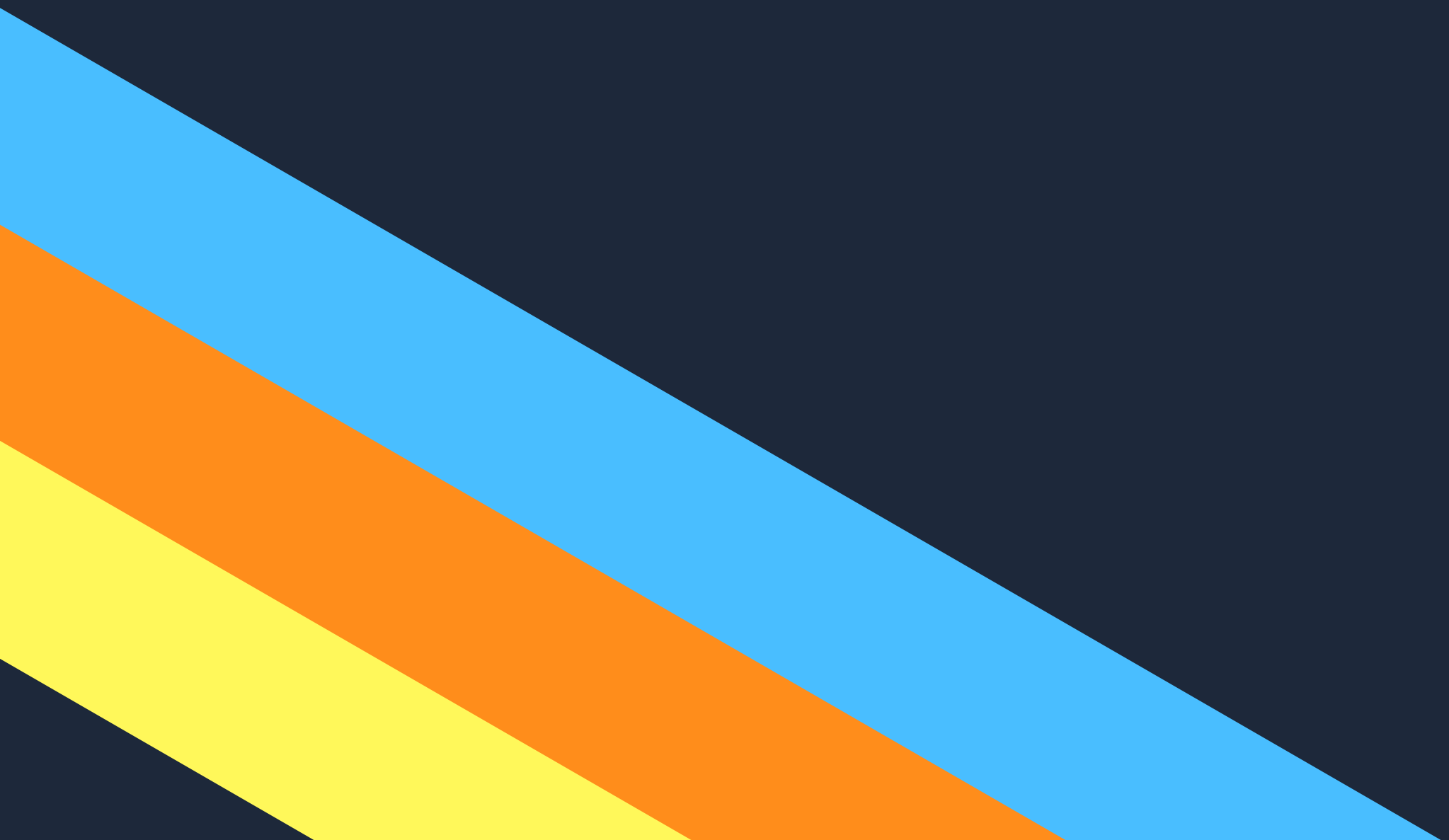


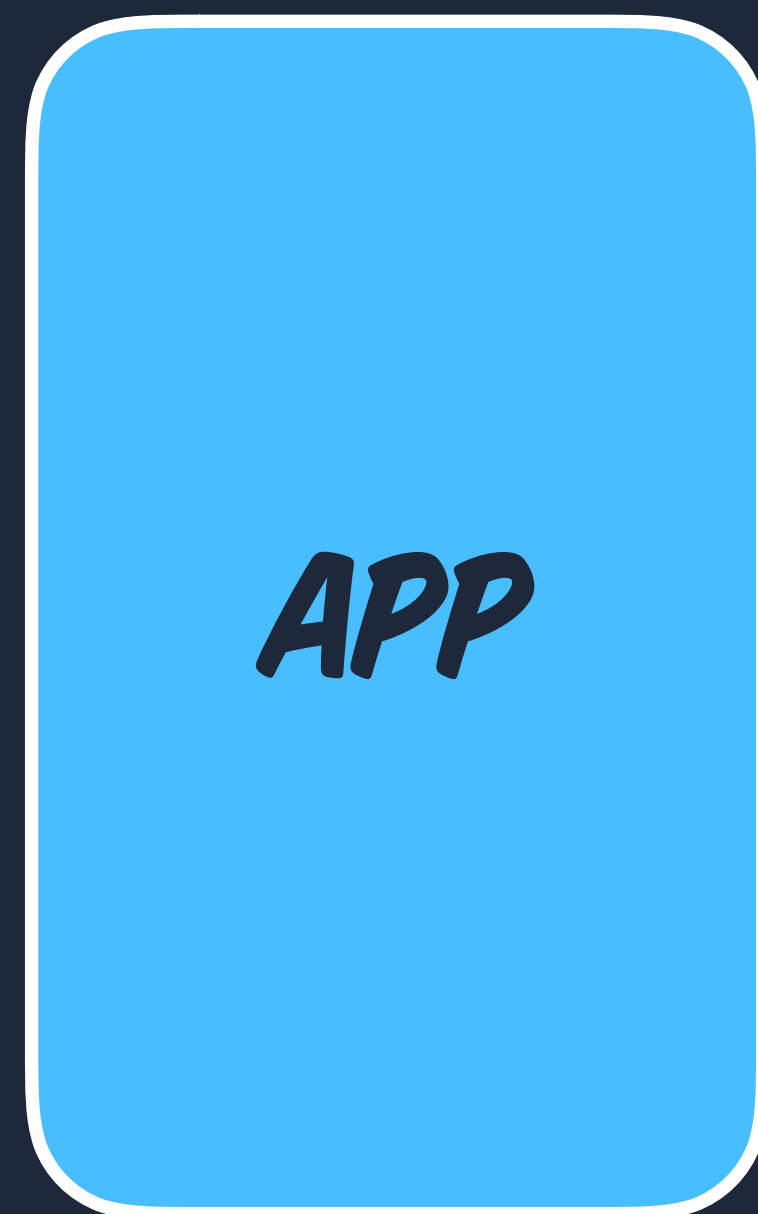
VAULT

SECURING YOUR SECRETS

WHAT IS VAULT?

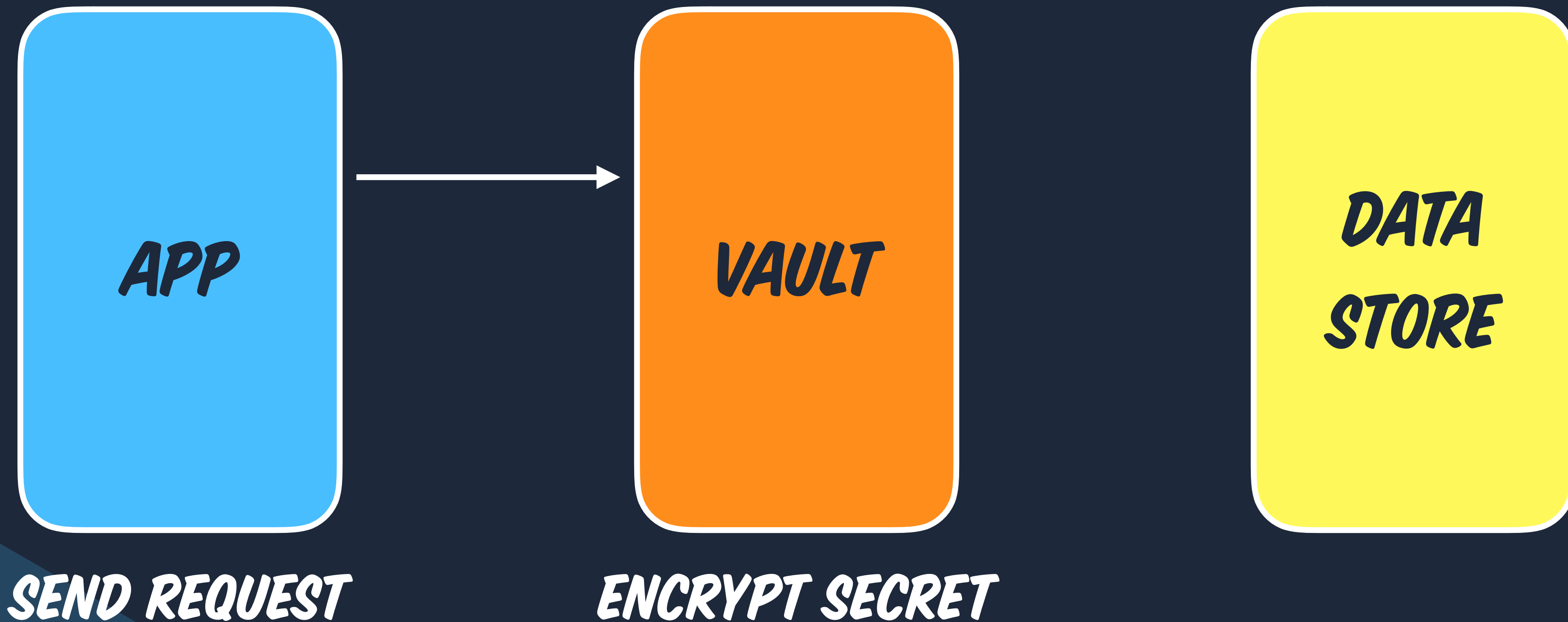


BASIC ARCHITECTURE



BASIC ARCHITECTURE

WRITE SECRET



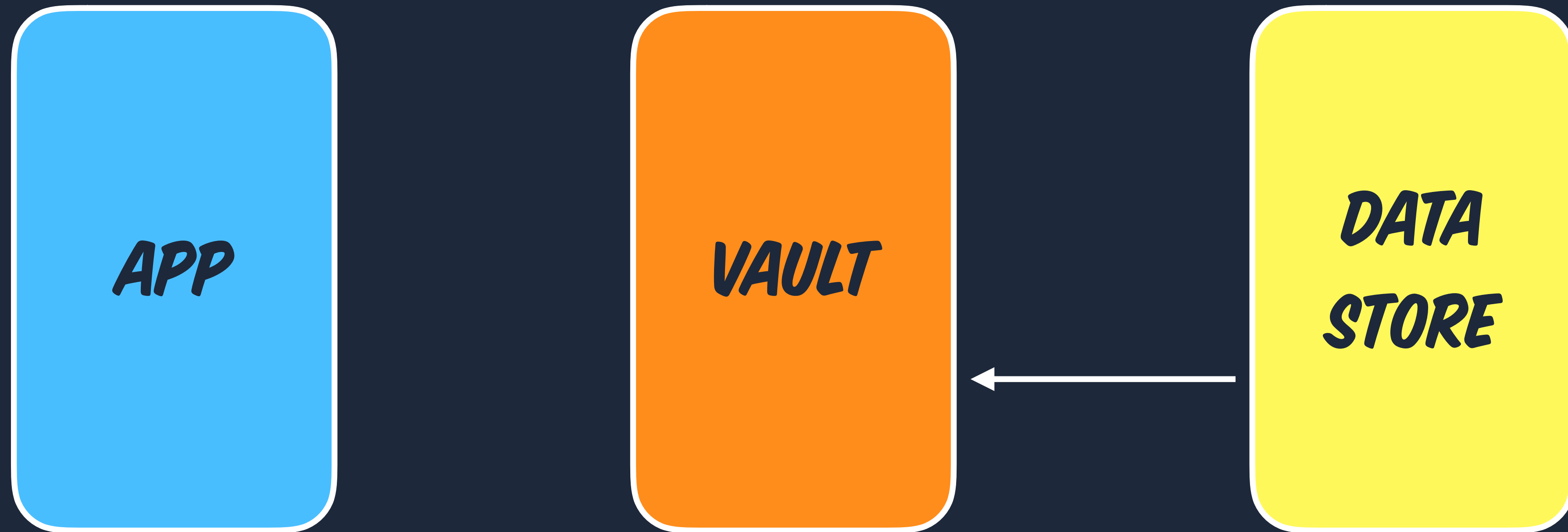
BASIC ARCHITECTURE

WRITE SECRET



BASIC ARCHITECTURE

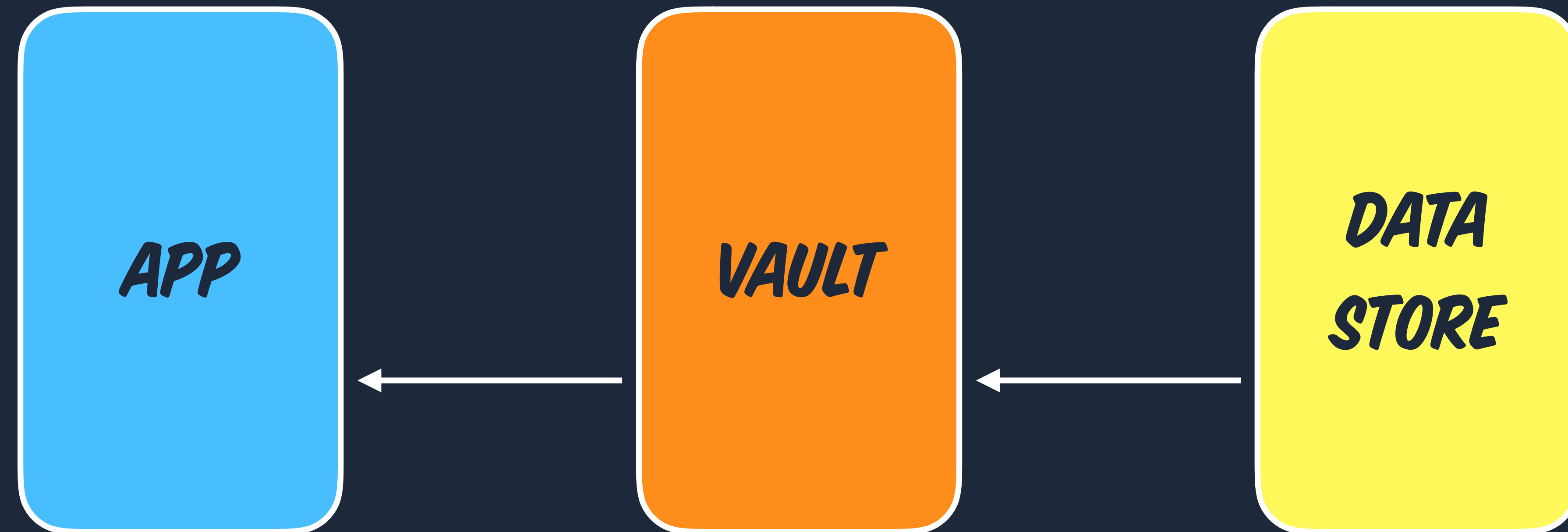
READ SECRET



READ FROM STORE

BASIC ARCHITECTURE

READ SECRET



READ REQUEST

DECRYPT
SEND RESPONSE

BACKENDS

AUTH BACKEND

TOKENS

USERNAME / PASSWORD

APPROLE

AWS

LDAP

GITHUB

TLS CERTS

SECRET BACKEND

GENERIC

AWS

MYSQL

CUBBYHOLE

RABBITMQ

SSH

PKI

AUTH BACKENDS

**AUTH BACKENDS ARE THE COMPONENTS IN
VAULT THAT PERFORM AUTHENTICATION
AND ARE RESPONSIBLE FOR ASSIGNING
IDENTITY AND A SET OF POLICIES TO A
USER.**

AUTH BACKENDS

TOKENS

GENERATED ON BEHALF OF A USER BY A HUMAN OR SOME OTHER PRIVILEGED APPLICATION

**THIS DOES NOT PROVIDE ANY FORM OF AUTHENTICATION.
THE TOKEN REPRESENTS AUTHORIZATION WITH AN ASSUMED
OTHER FORM OF AUTHENTICATION**

AUTH BACKENDS

TOKENS

```
curl -X "POST" "https://vault:8200/v1/auth/token/create" \  
-H "X-Vault-Token: 5ceed009-dddd-46ee-2ccc-61235dbdf0f16b" \  
-H "Content-Type: application/json" \  
-d $'{  
  "num_uses": "0",  
  "display_name": "\\\"some cool service\\\"",  
  "policies": [  
    "my-cool-service-dev"  
  ],  
  "TTL": "1h"  
}'
```

AUTH BACKENDS

TOKEN PARAMETERS OF NOTE

policies	ACCESS CONTROL. WHAT YOU CAN AND CAN'T DO
renewable	IS THIS TOKEN RENEWABLE
ttl	HOW LONG THE TOKEN LIVES UNLESS RENEWED
explicit_max_ttl	NOT RENEWABLE PAST THIS TIME
display_name	NAME FOR TOKEN
num_uses	HOW MANY TIMES IT CAN BE USED BEFORE INVALID

AUTH BACKENDS

APPROLE

AUTH BACKENDS

AWS

SECRET BACKENDS

