

Monorepos & Spaceships

Navigating Successfully Through Code & Cosmos

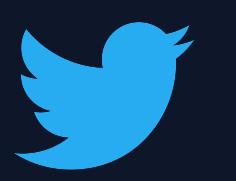
Max Kless





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Max Kless



@MaxKless

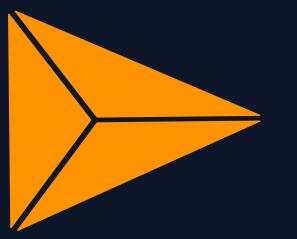


Max Kless



@MaxKless

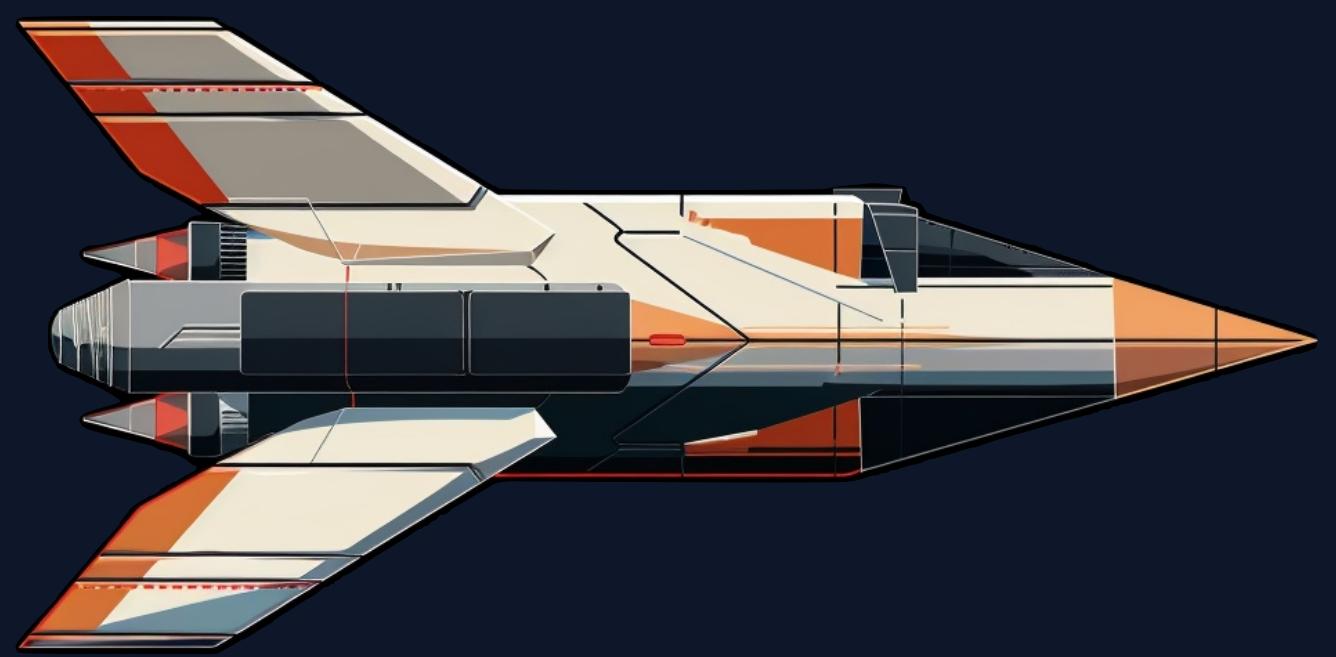




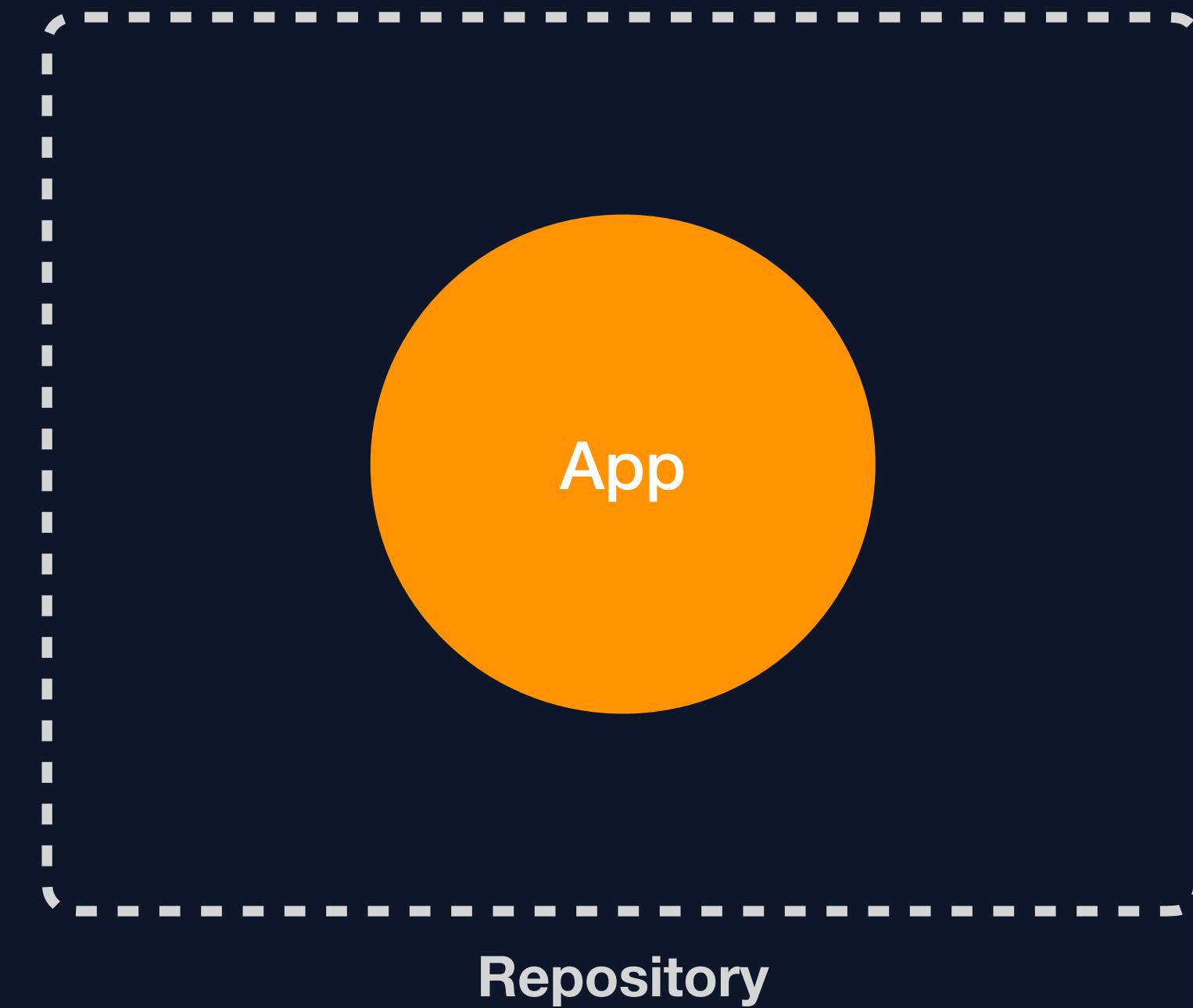
POLYREPOS

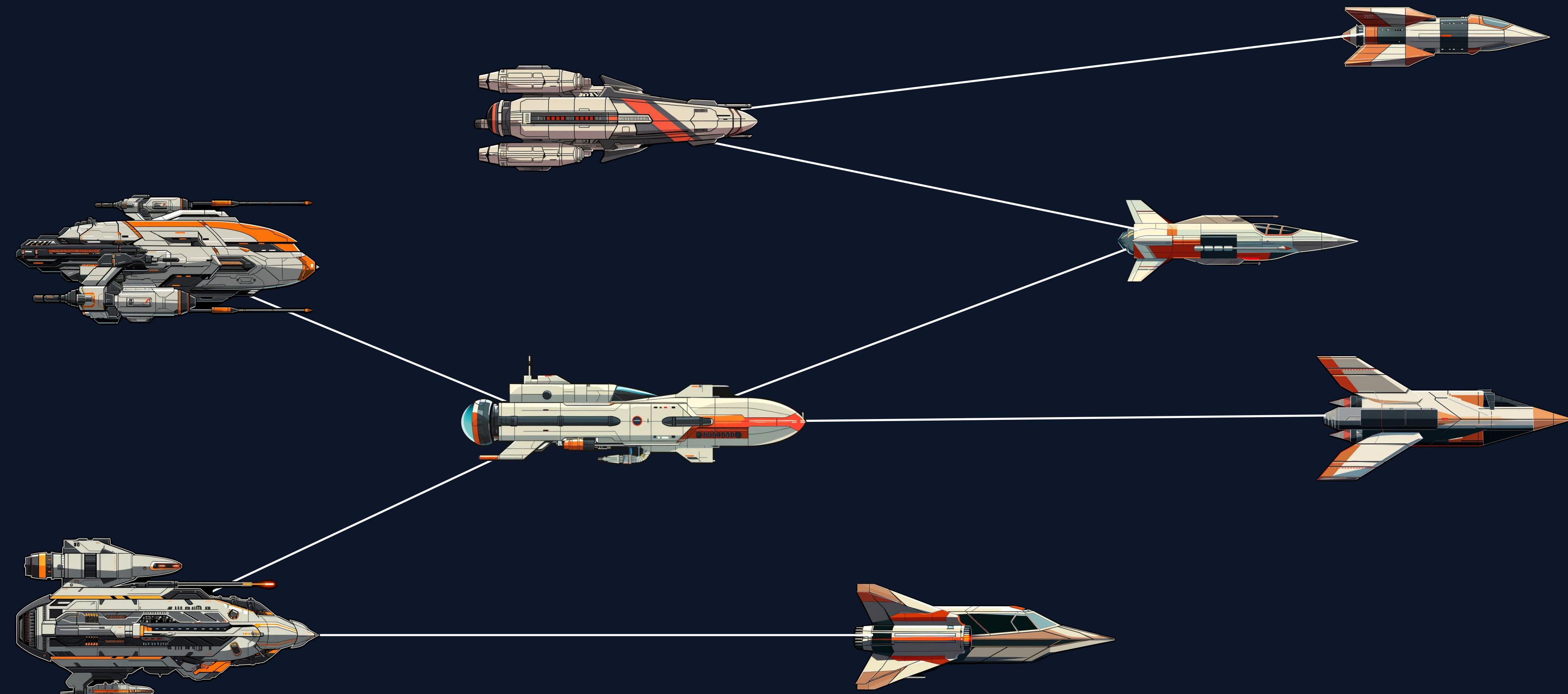
MONOREPOS?

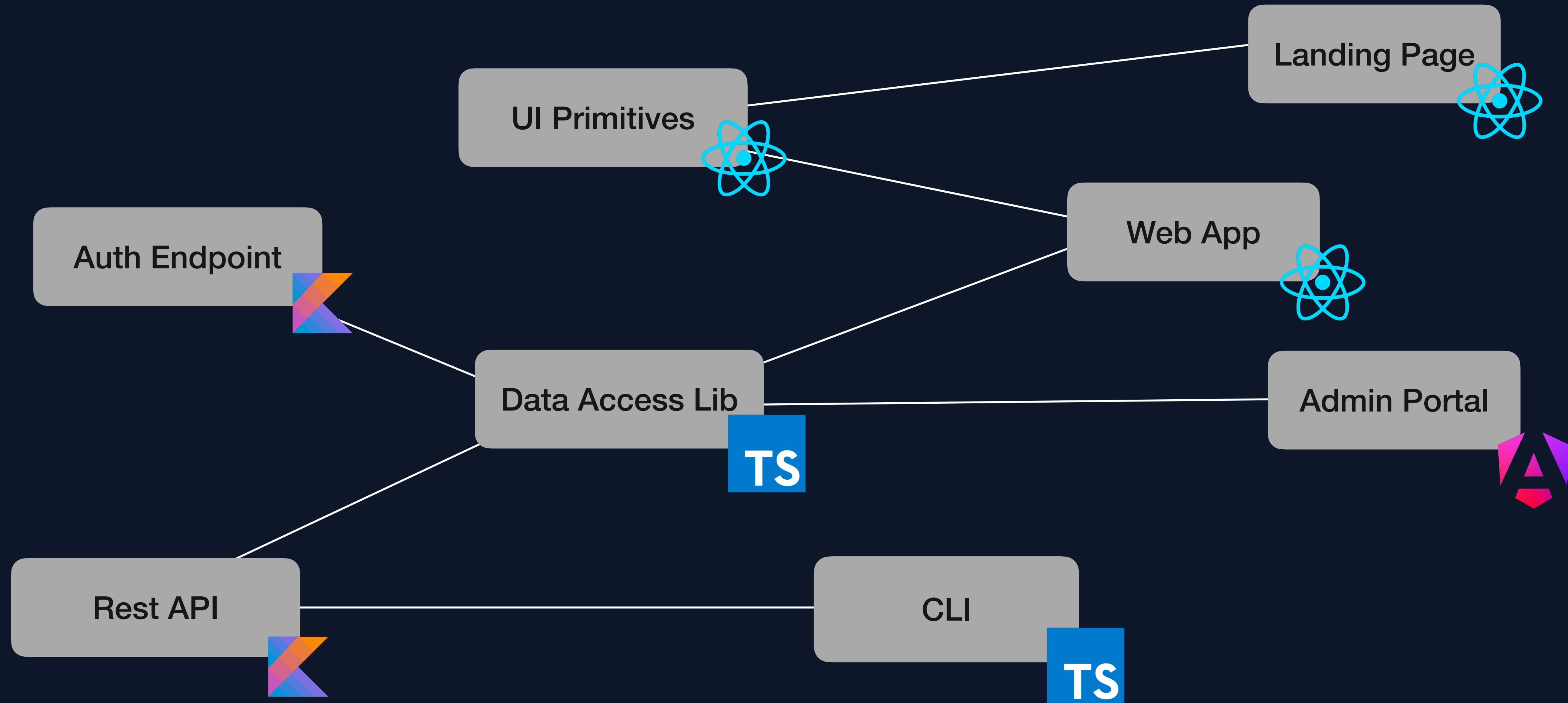
MONOREPO TOOLING

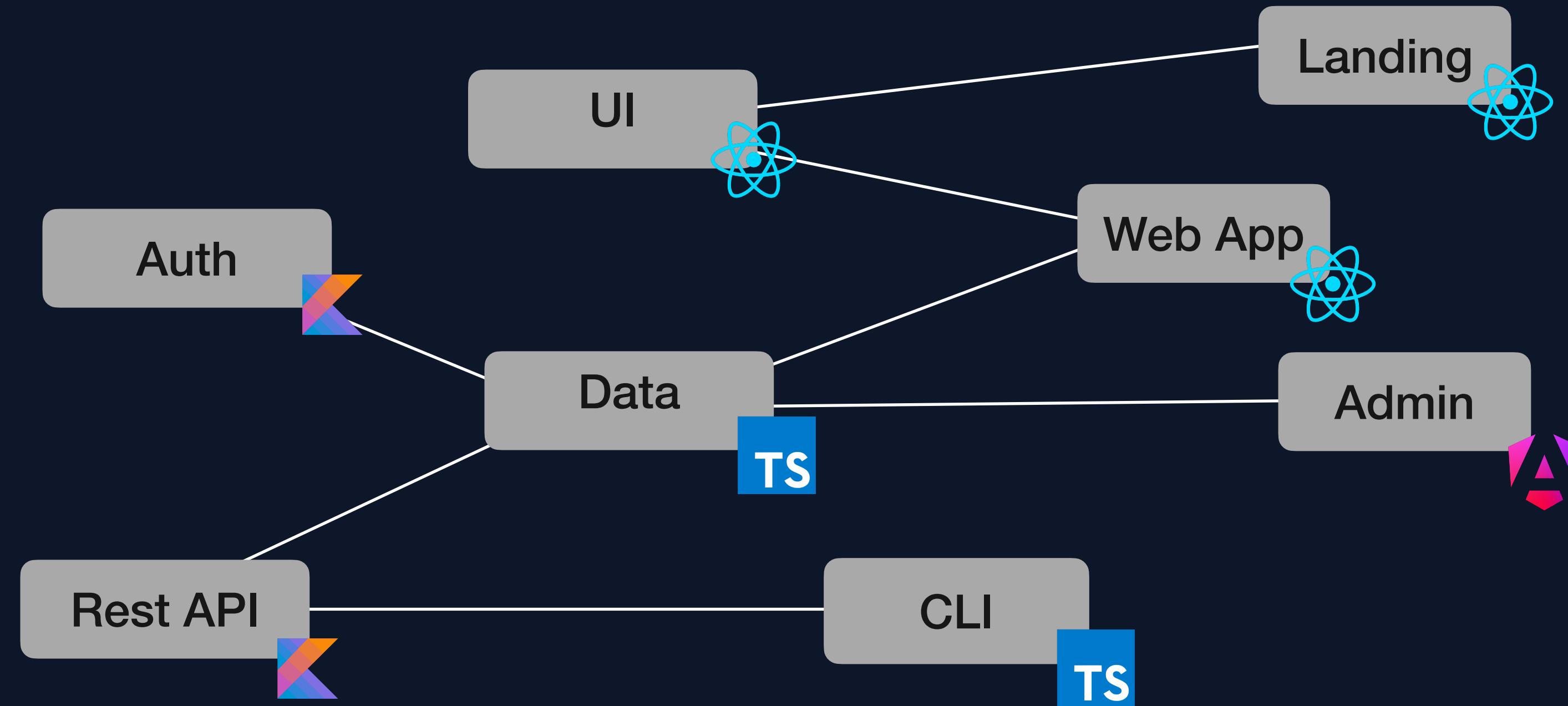


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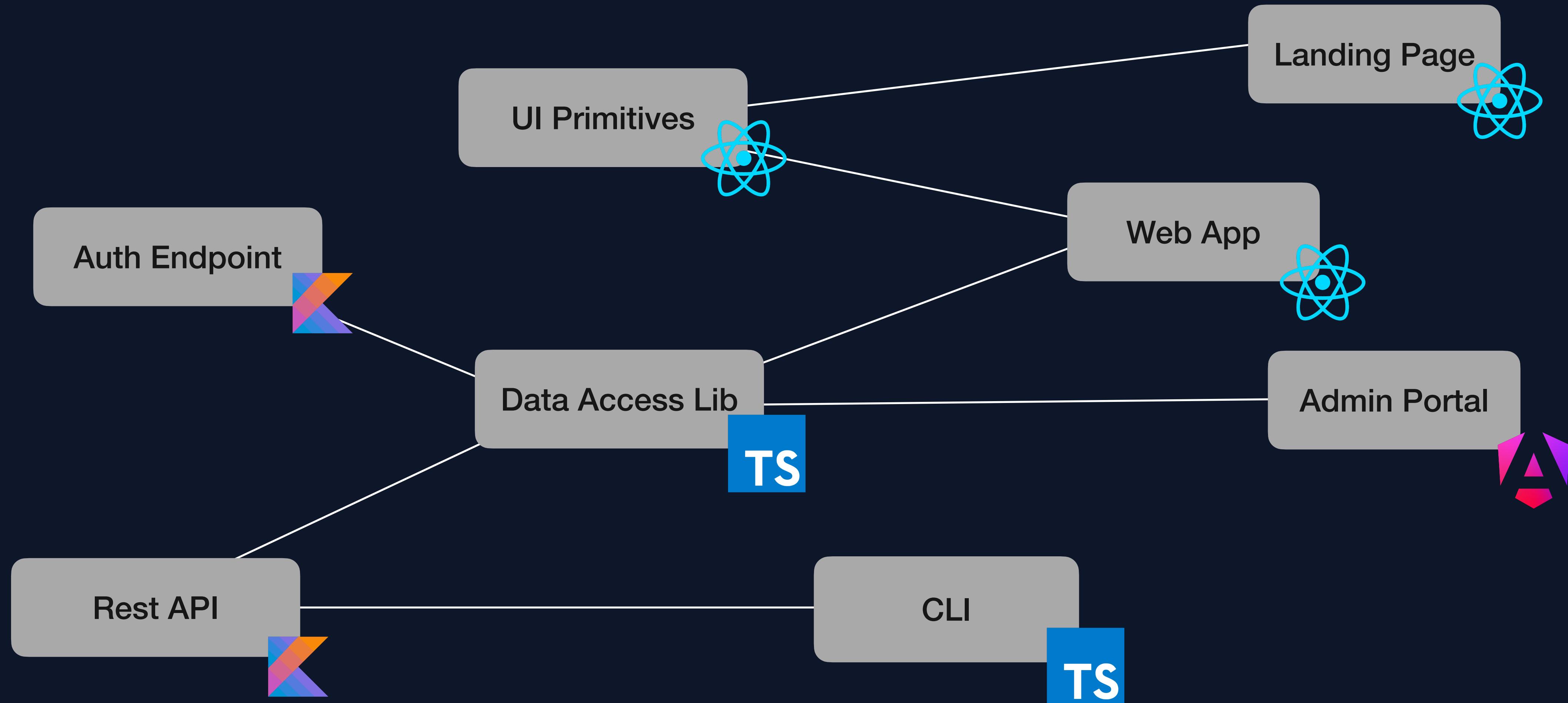


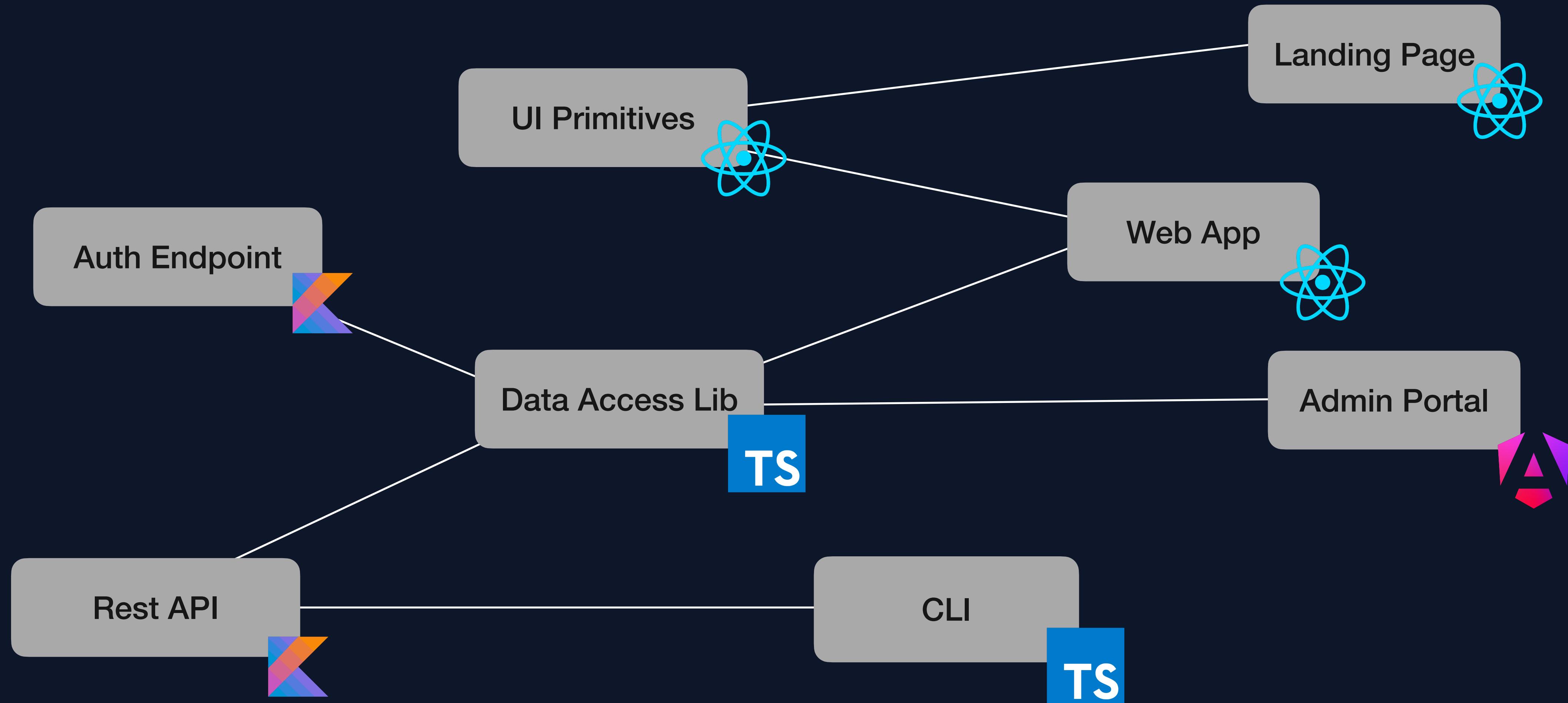


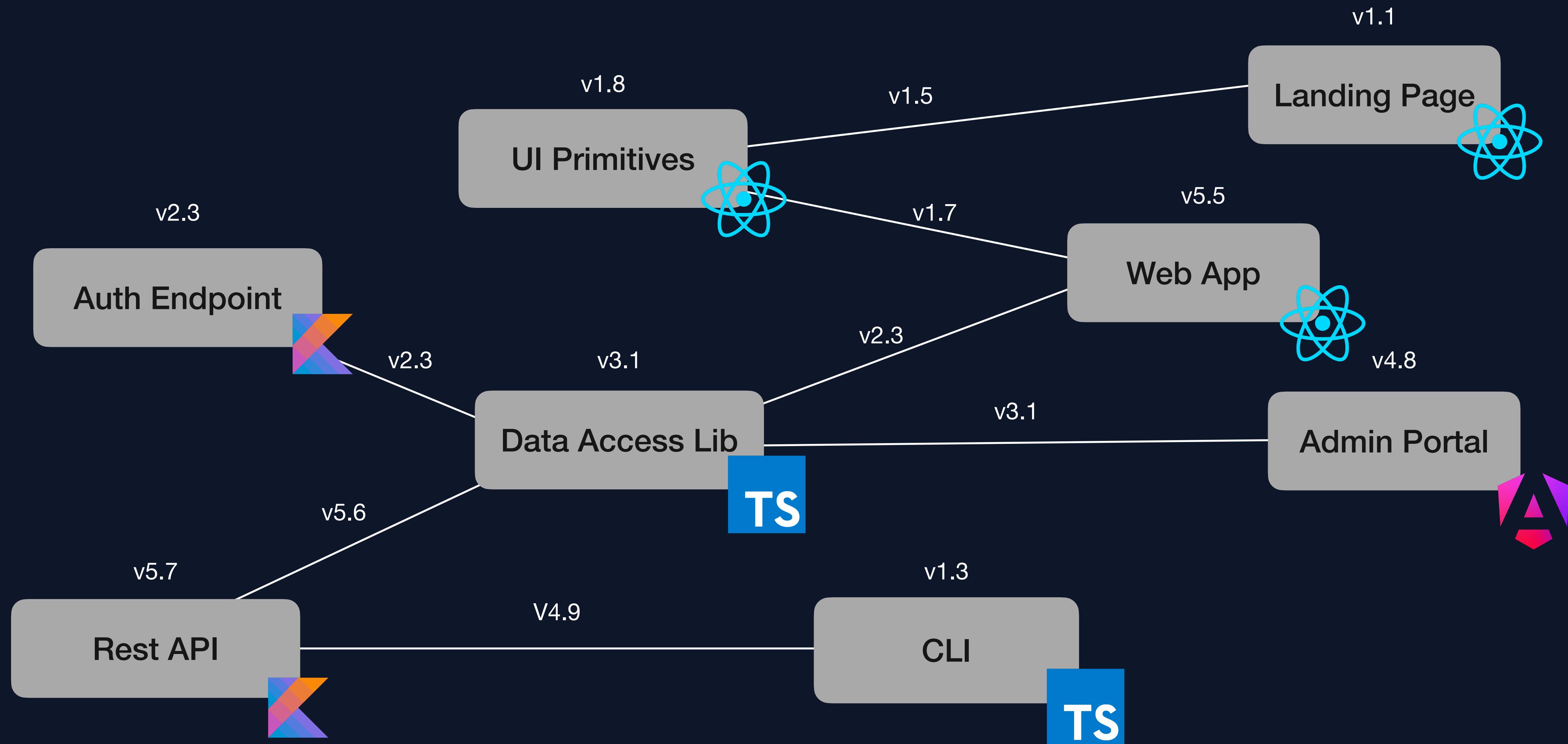


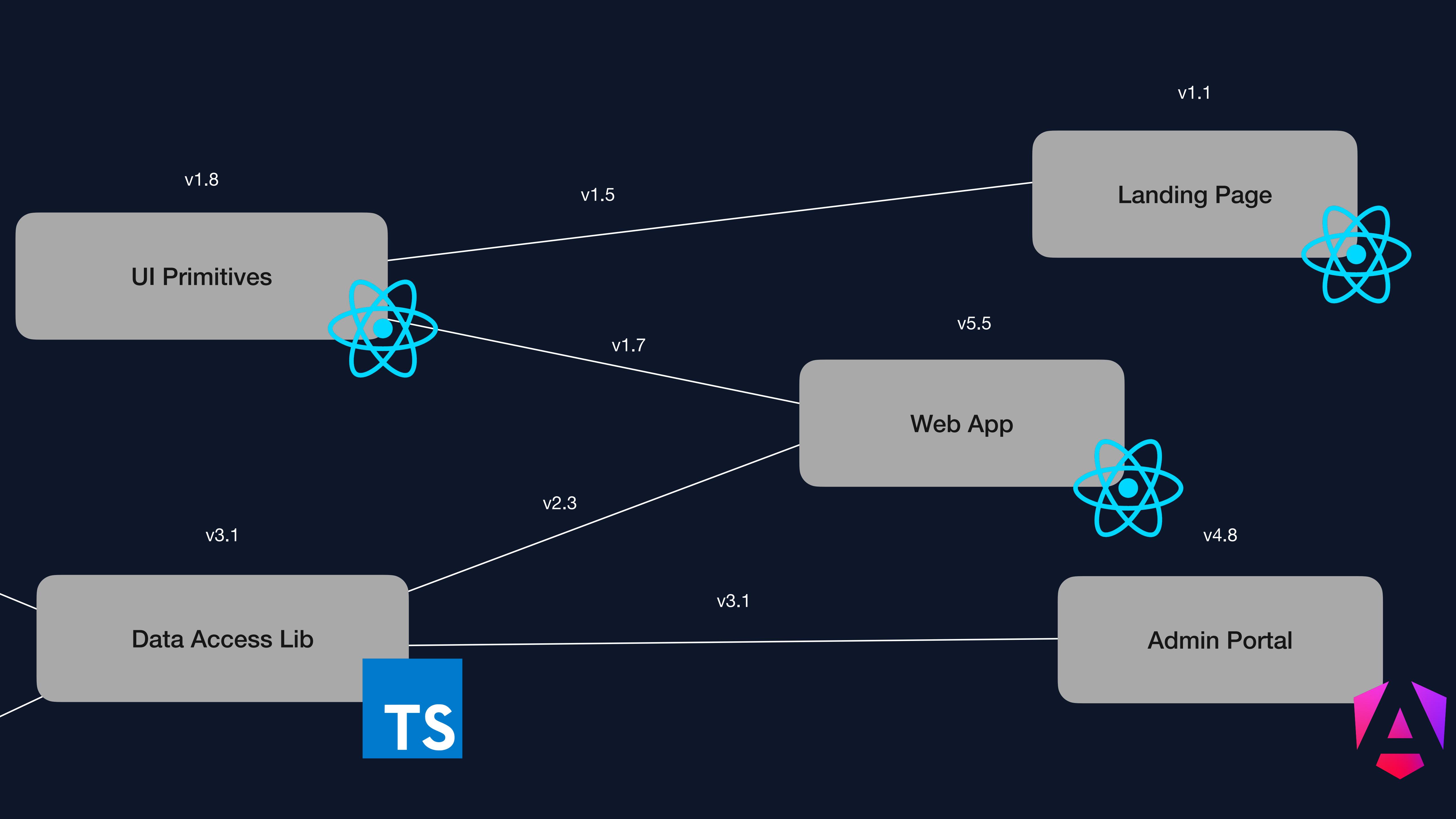


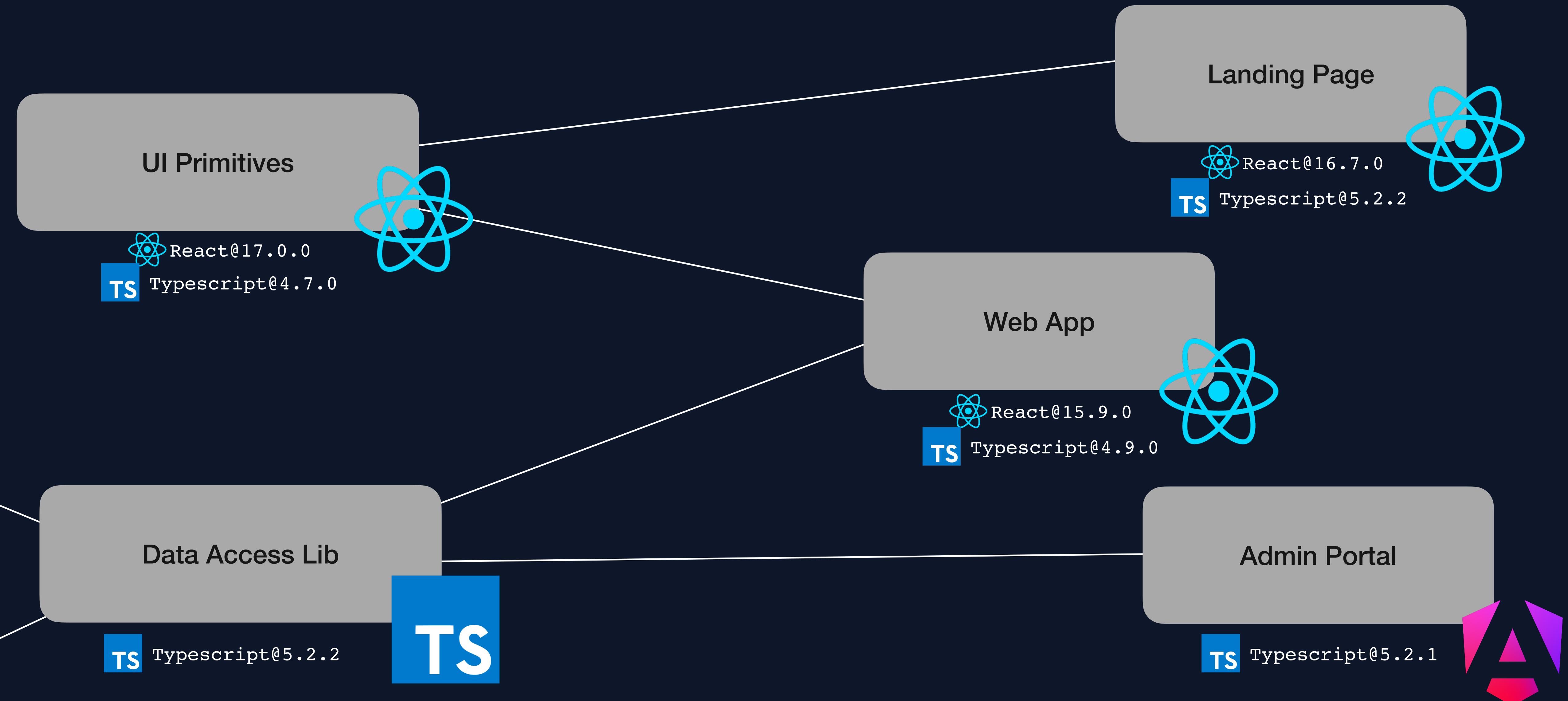
Polyrepos are great because they offer
team autonomy, technological freedom
and cleanly separated architecture.

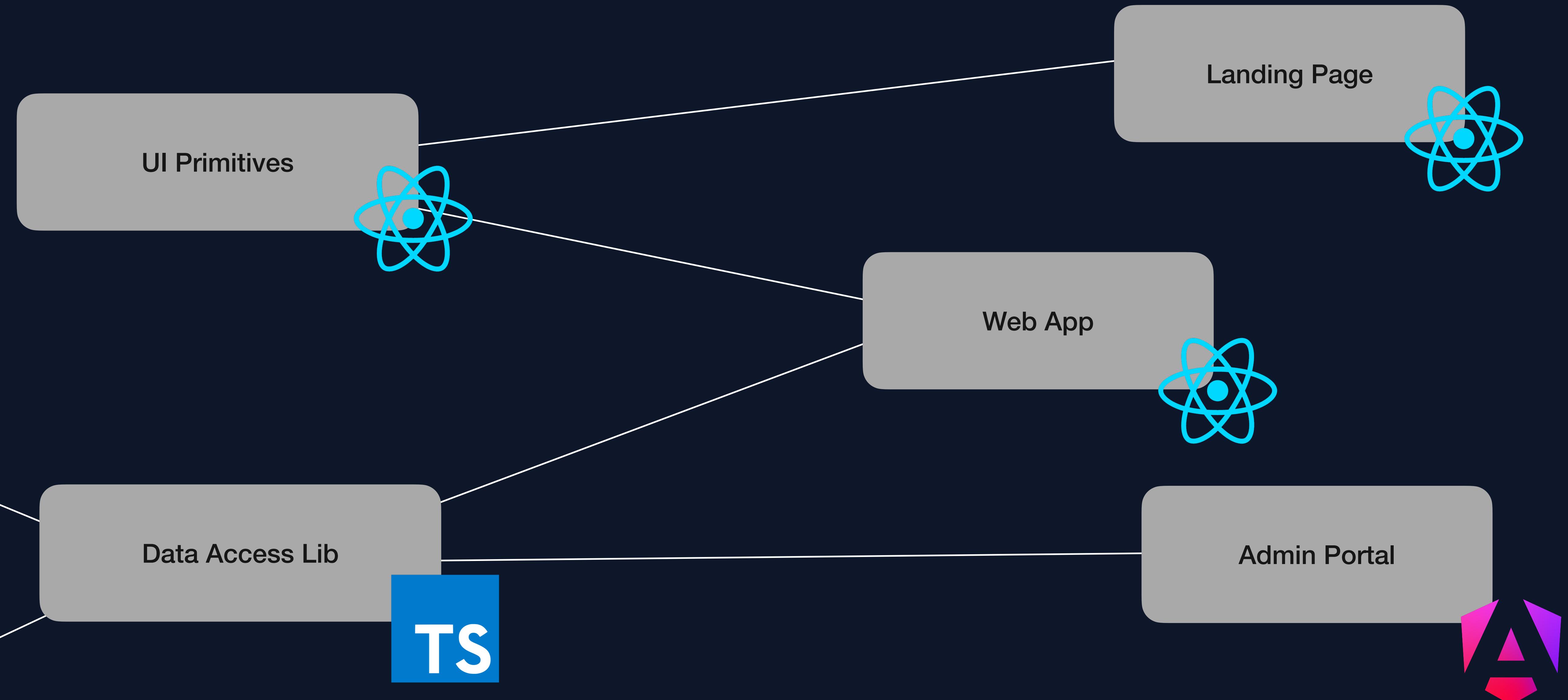


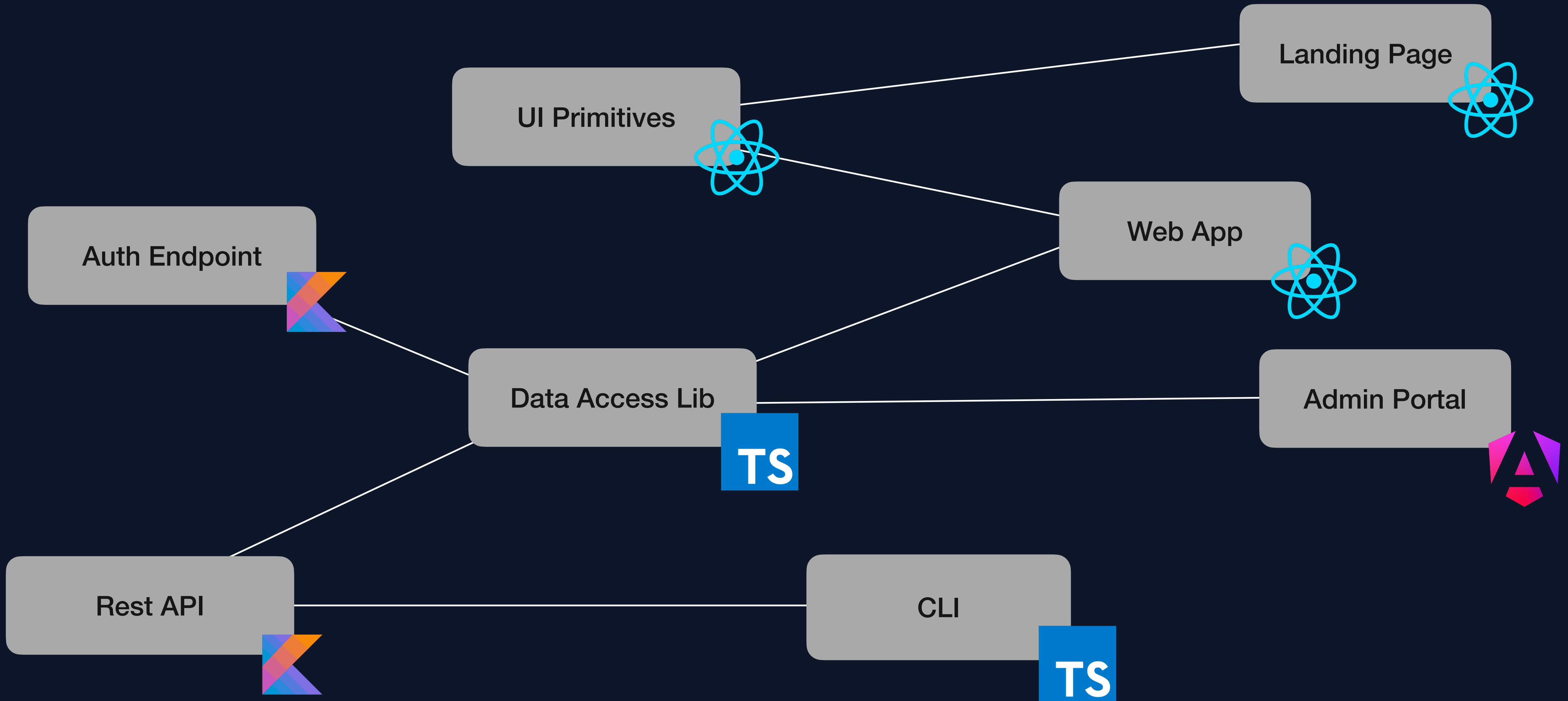














Auth Endpoint



Data Access Lib



Rest API



CLI

Auth Endpoint

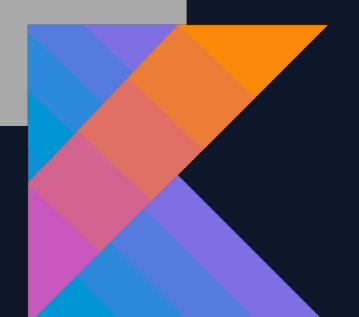


```
interface user {  
    name: string;  
    email: string;  
    isAdmin: boolean;  
    ...  
}
```

Data Access Lib



Rest API



CLI

Polyrepos cause issues because of
inefficient code sharing,
high code duplication and
complex dependency management,
ultimately resulting in isolation.

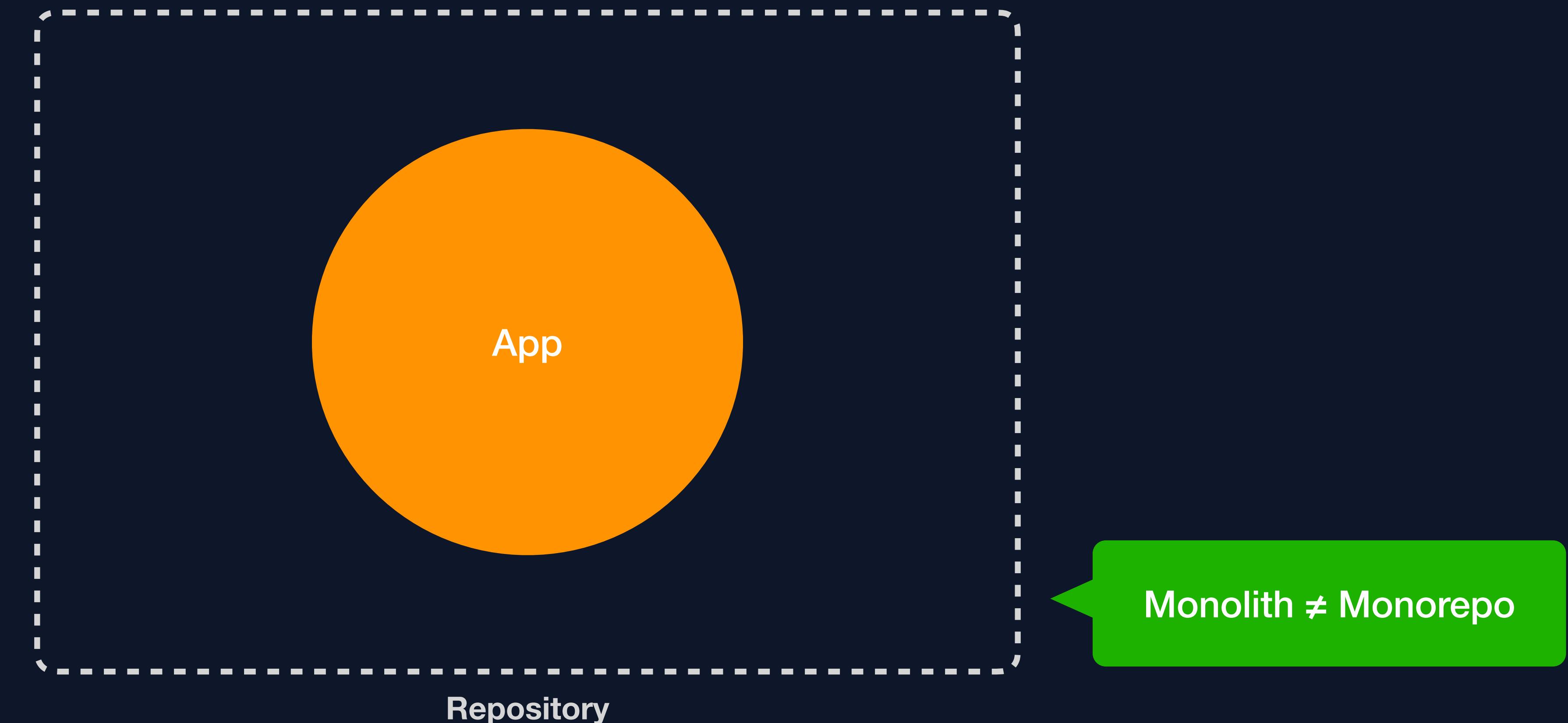


A massive, multi-tiered, futuristic monorail train, resembling a flying battleship, is suspended in a dark, cloudy sky above a city skyline. The train is primarily blue and orange, with glowing lights along its length. In the background, a large, ornate building with multiple domes and spires is visible against a dark, star-filled sky.

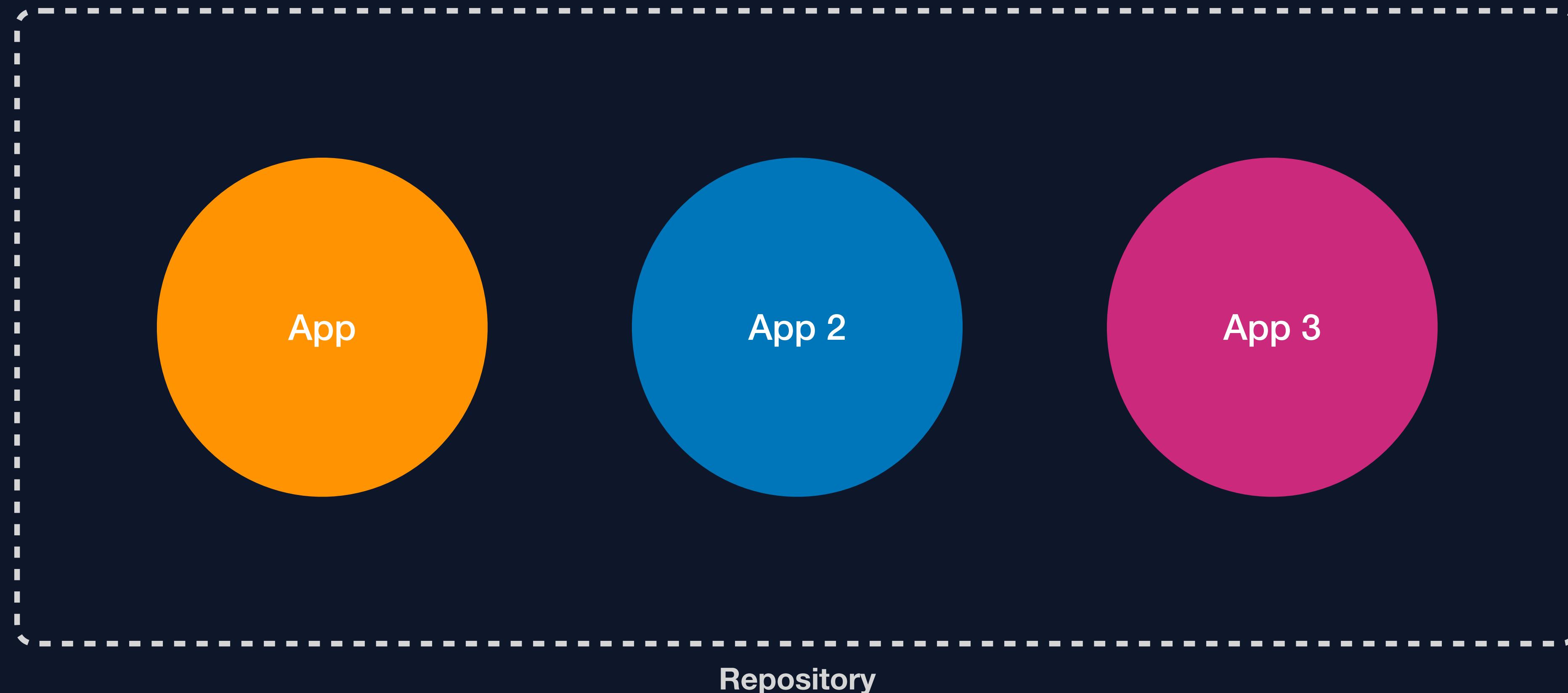
THE MONOREPO

A monorepo is a single repository containing multiple distinct projects, with well-defined relationships.

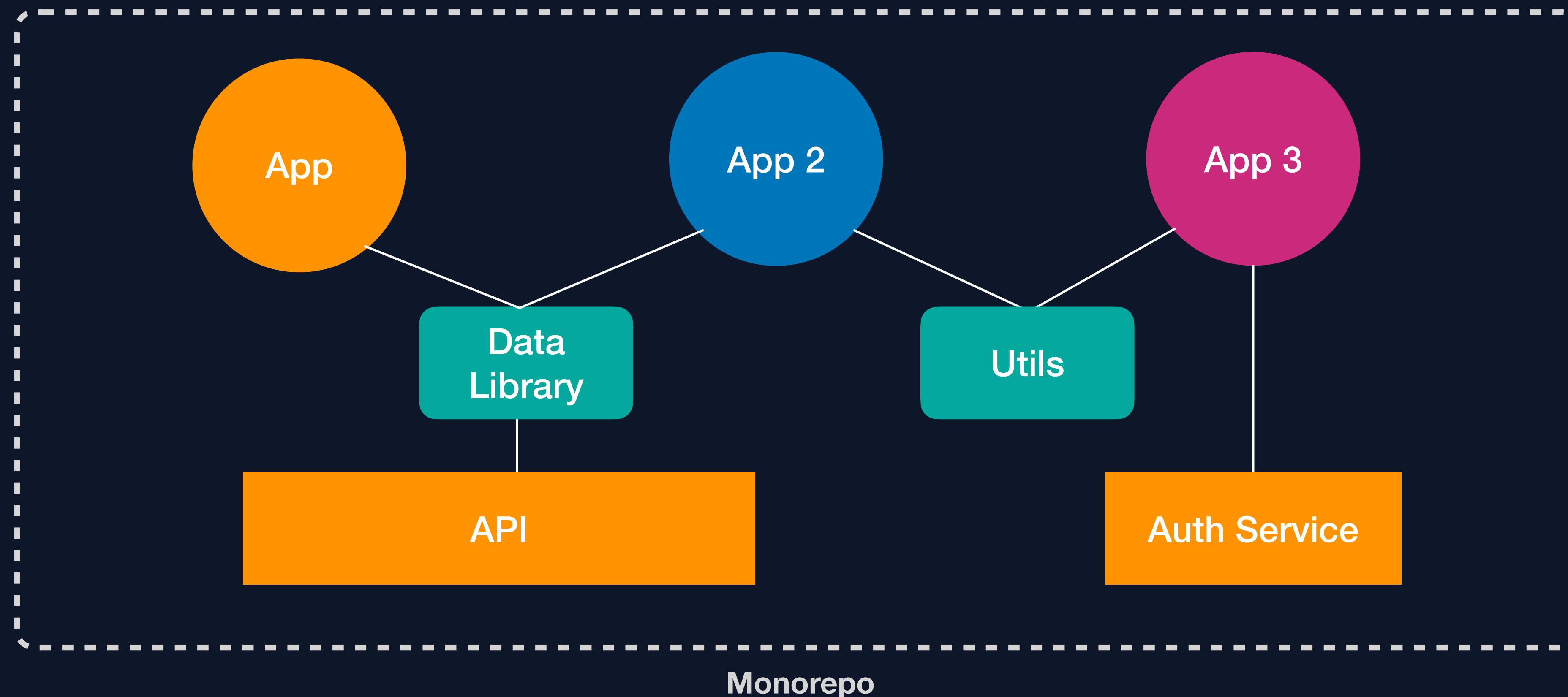
A monorepo is a single repository containing **multiple distinct projects**, with well-defined relationships.



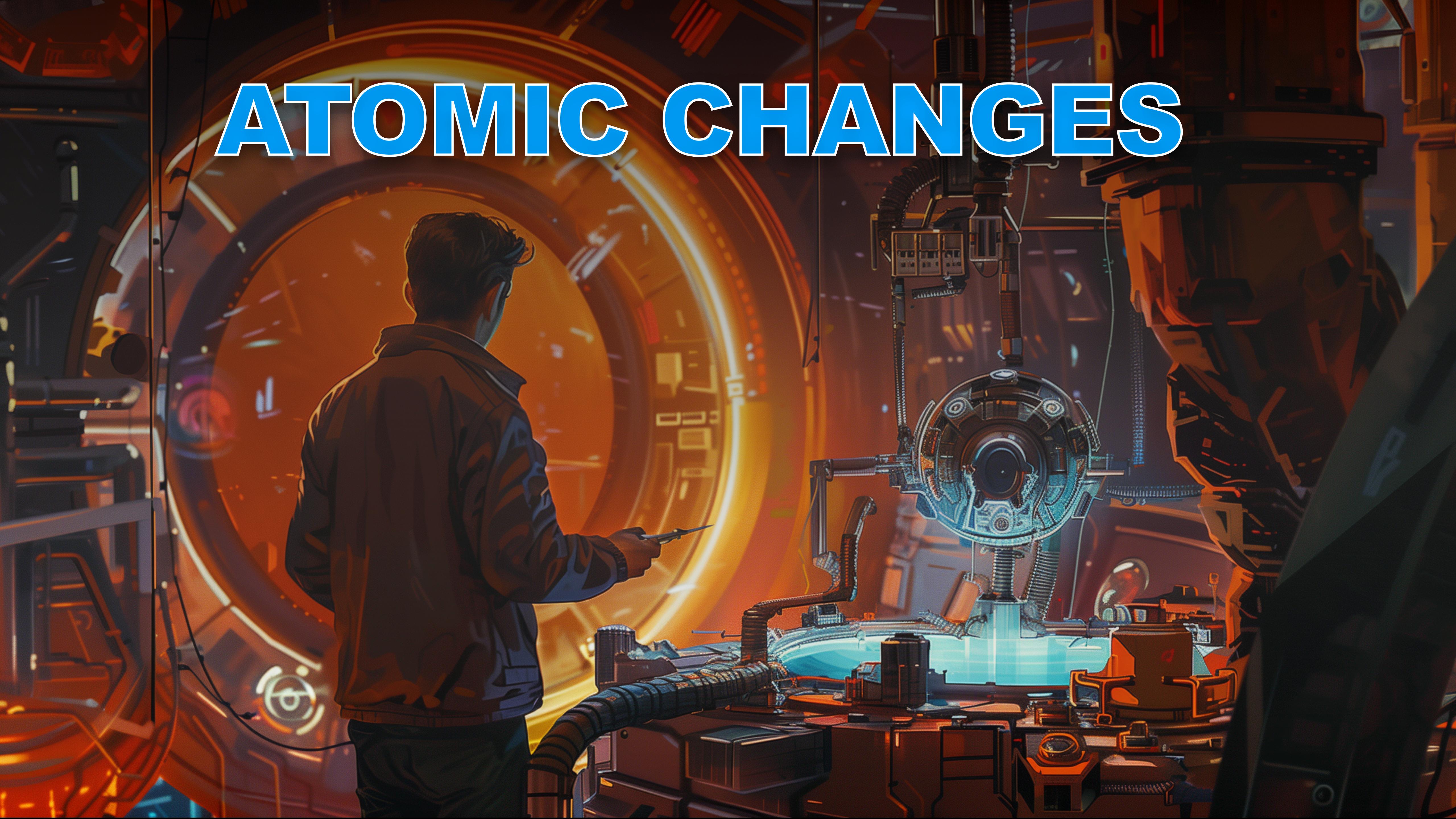
A monorepo is a single repository containing **multiple distinct projects**, with well-defined relationships.

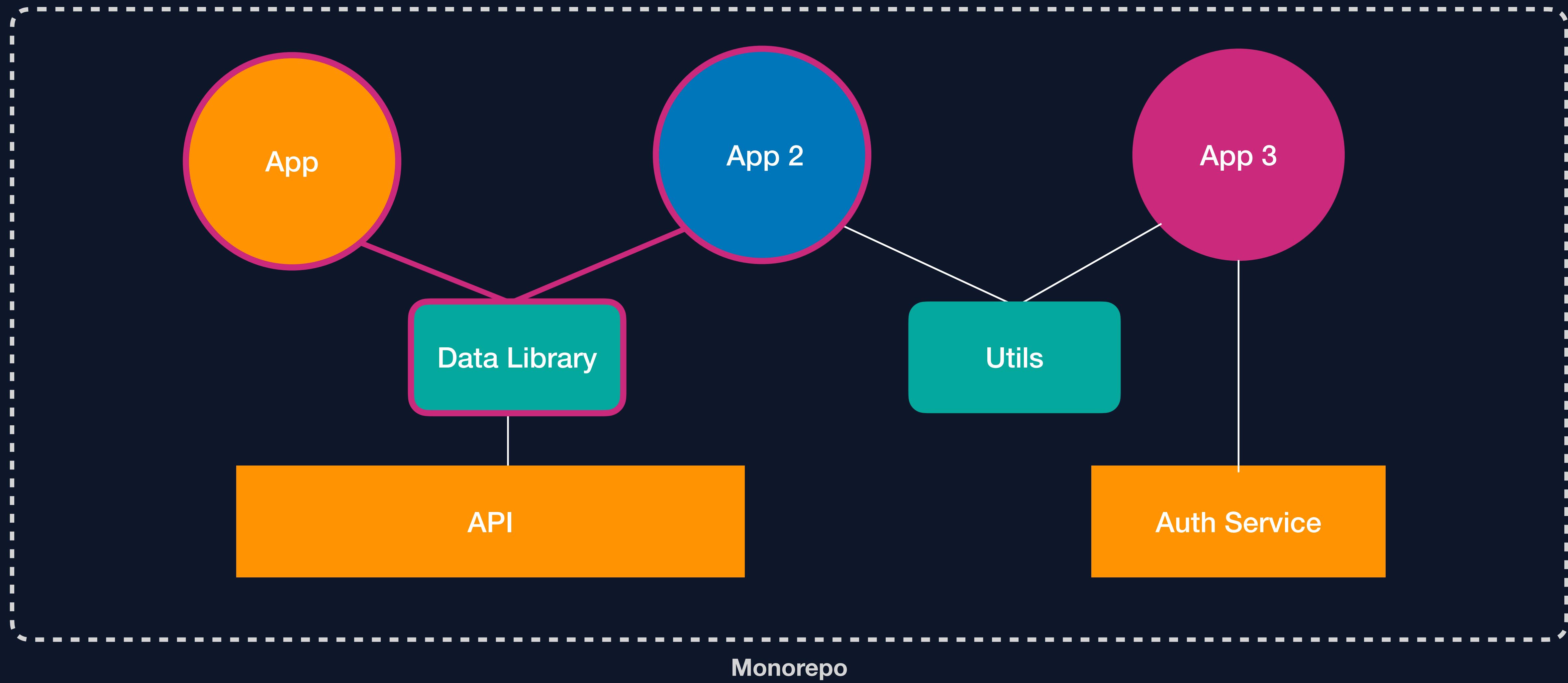


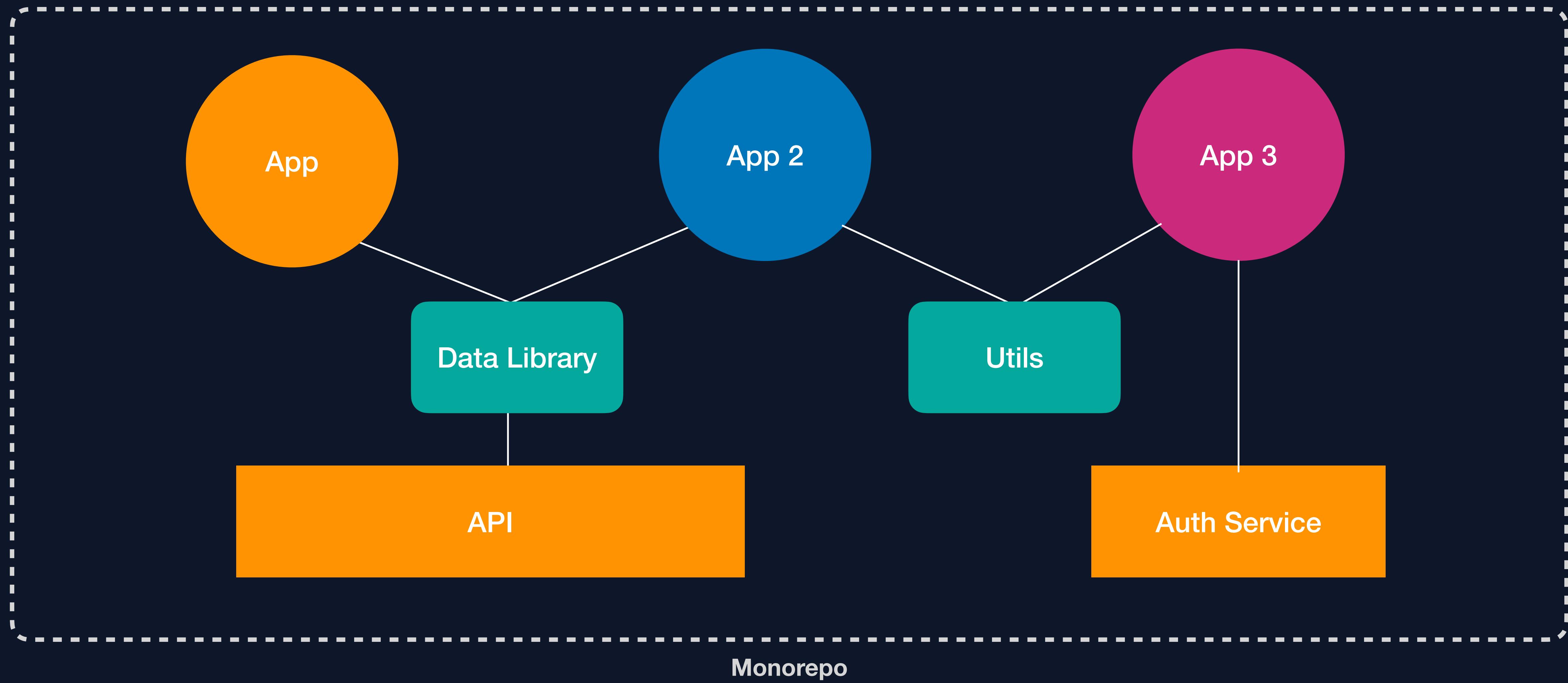
A monorepo is a single repository containing **multiple distinct projects**, with well-defined relationships.

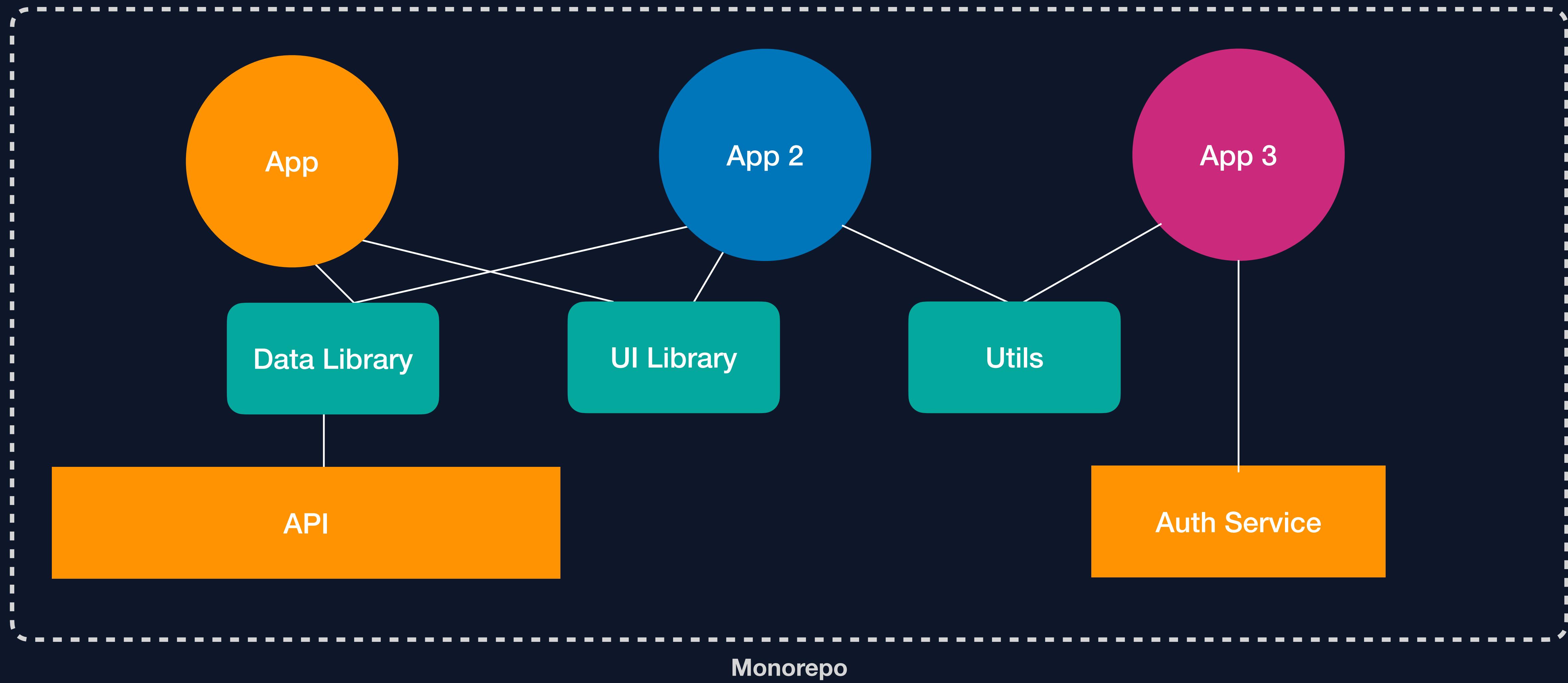


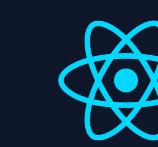
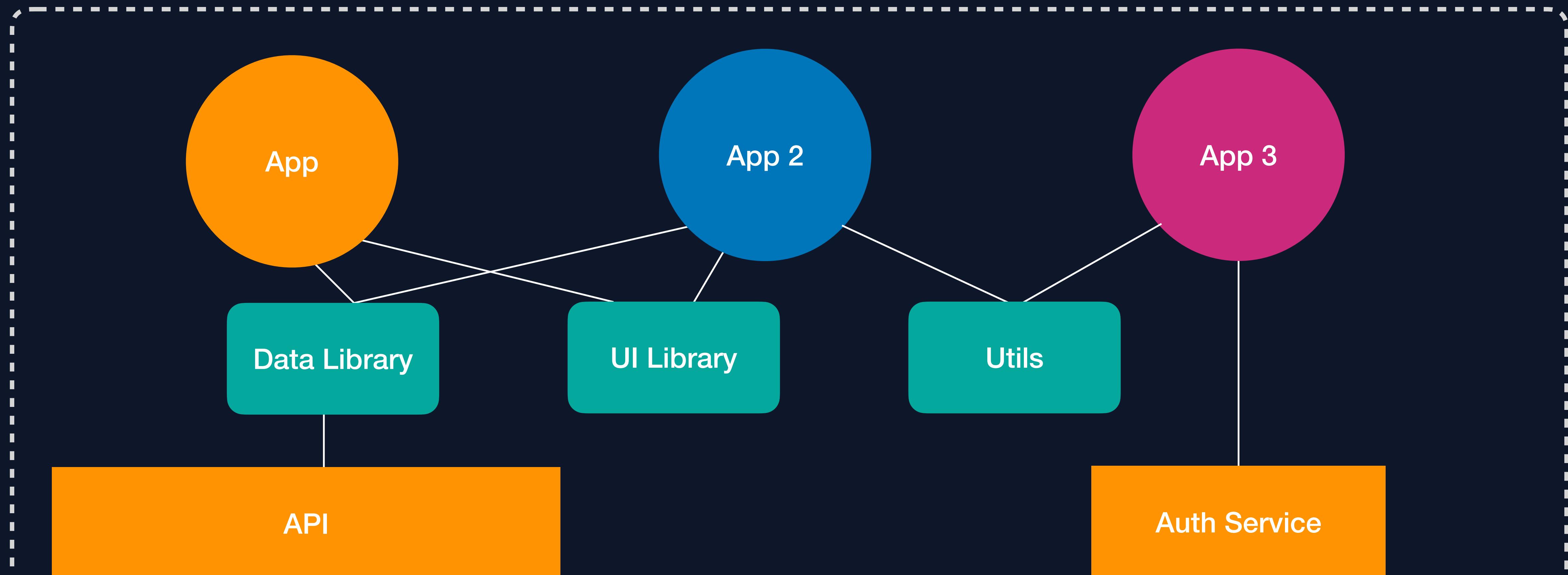
ATOMIC CHANGES











React@17.0.0

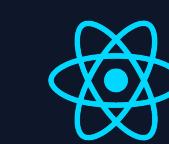
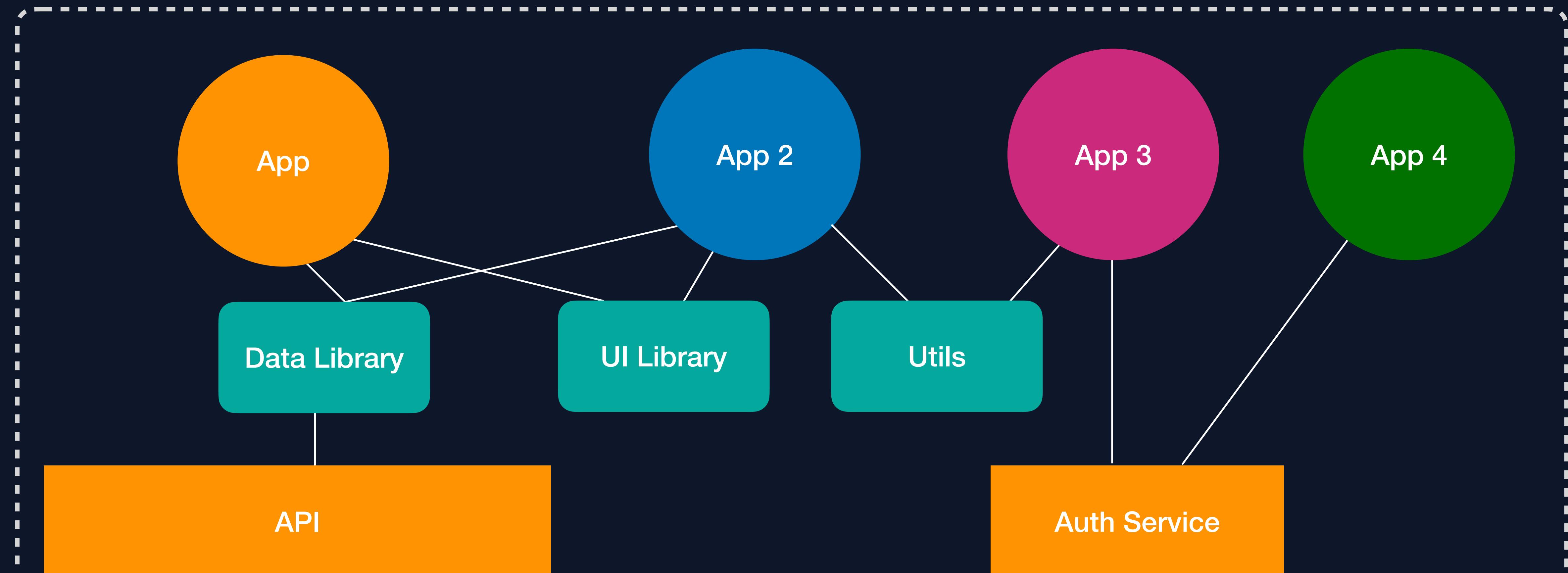


TypeScript@5.2.2



Jest@29.7.0

Monorepo



React@17.0.0



TypeScript@5.2.2

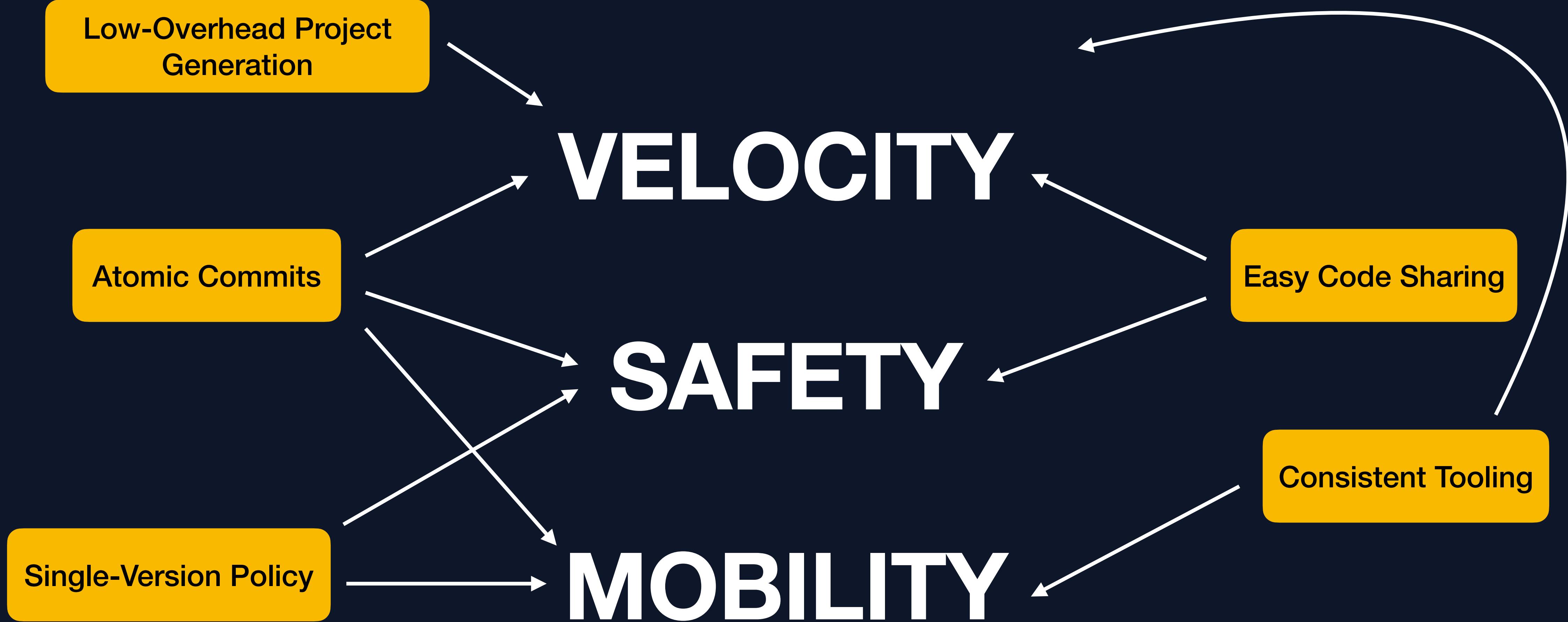


Jest@29.7.0

Monorepo

A man with a beard and short hair, wearing a reddish-brown flight suit with a circular patch on the left shoulder, is working on a complex control panel in a cockpit. He is focused on a circular dial or switch. The cockpit is filled with various buttons, switches, and screens, all illuminated with blue and orange lights. The overall atmosphere is one of a high-tech aircraft interior.

CONSISTENT TOOLING



DISCLAIMER

IF YOUR TEAMS HATE EACH
OTHER, THEY WON'T LIKE
WORKING TOGETHER IN A
MONOREPO

NX



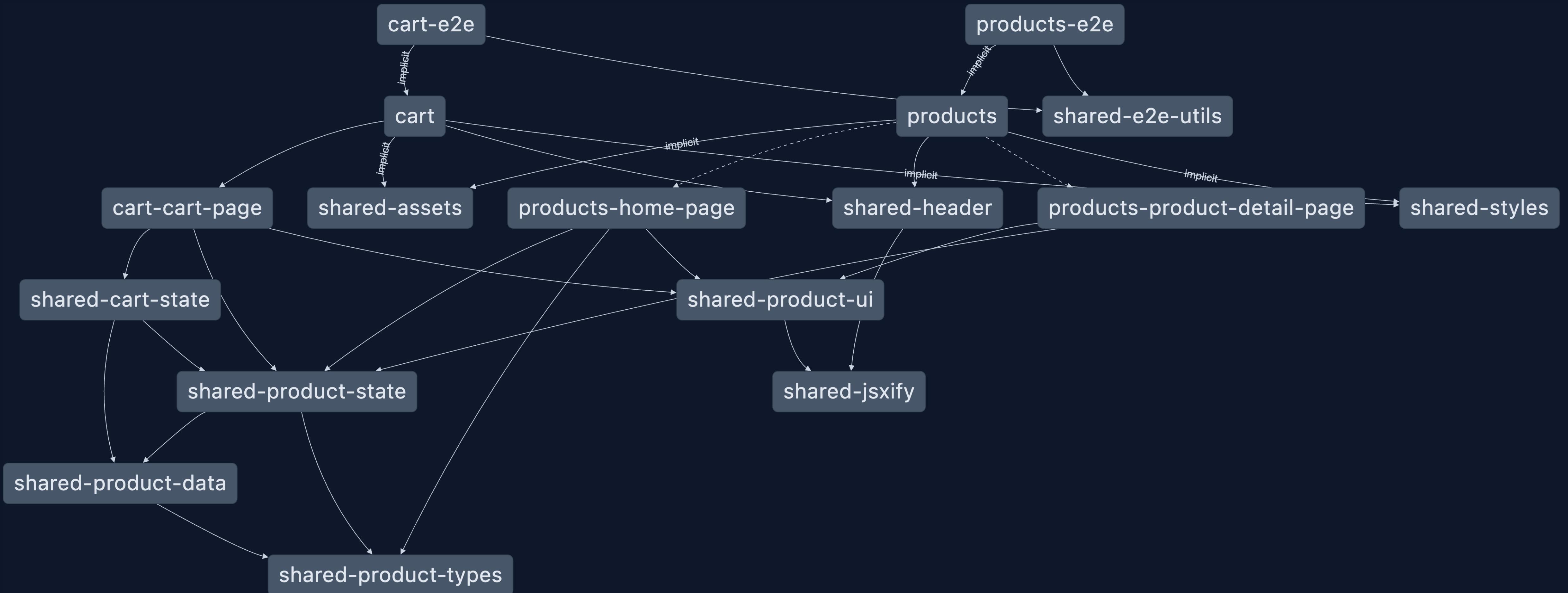
N > -
CONSOLE

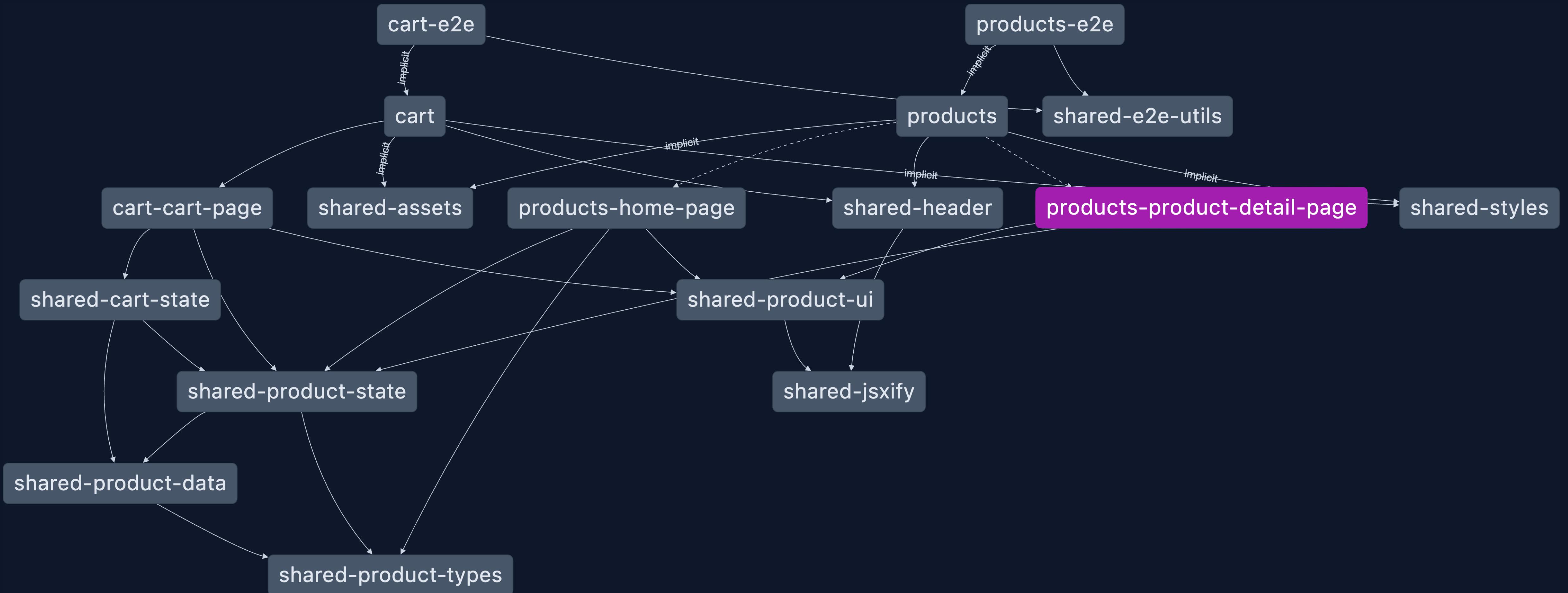
monorepo.tools

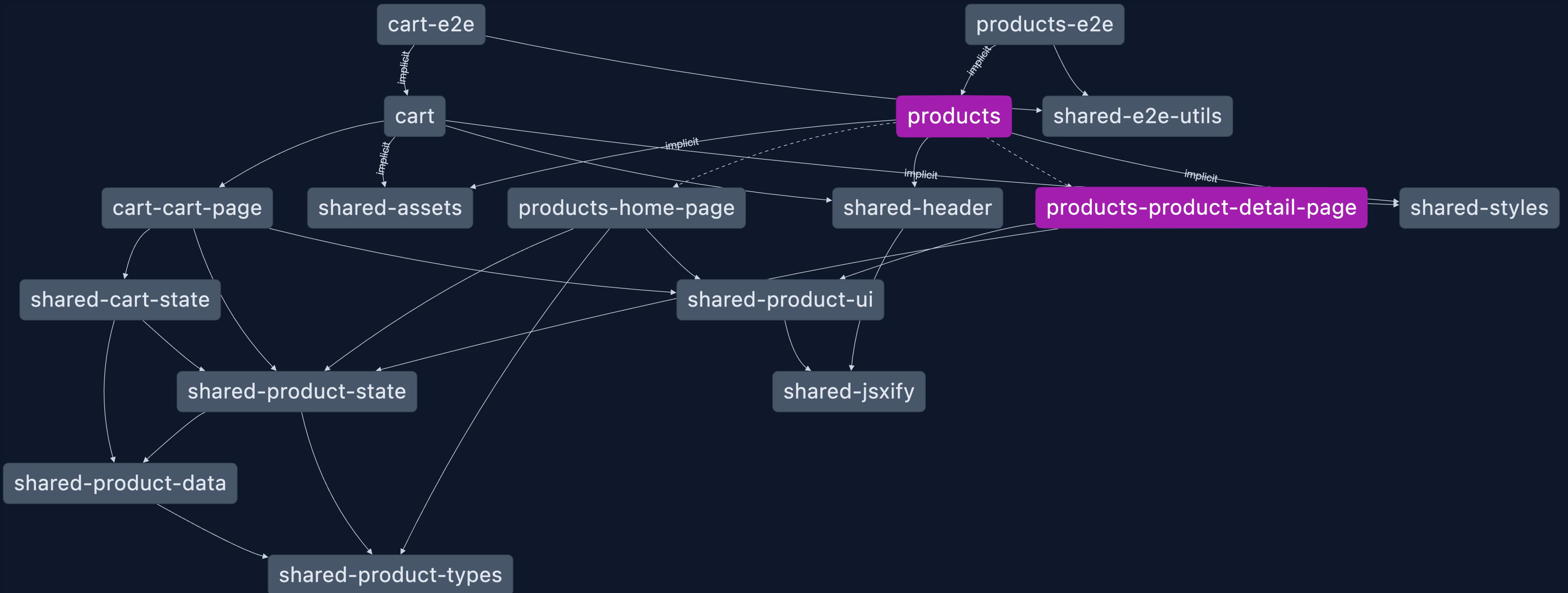
Everything you need to know about monorepos,
and the tools to build them.

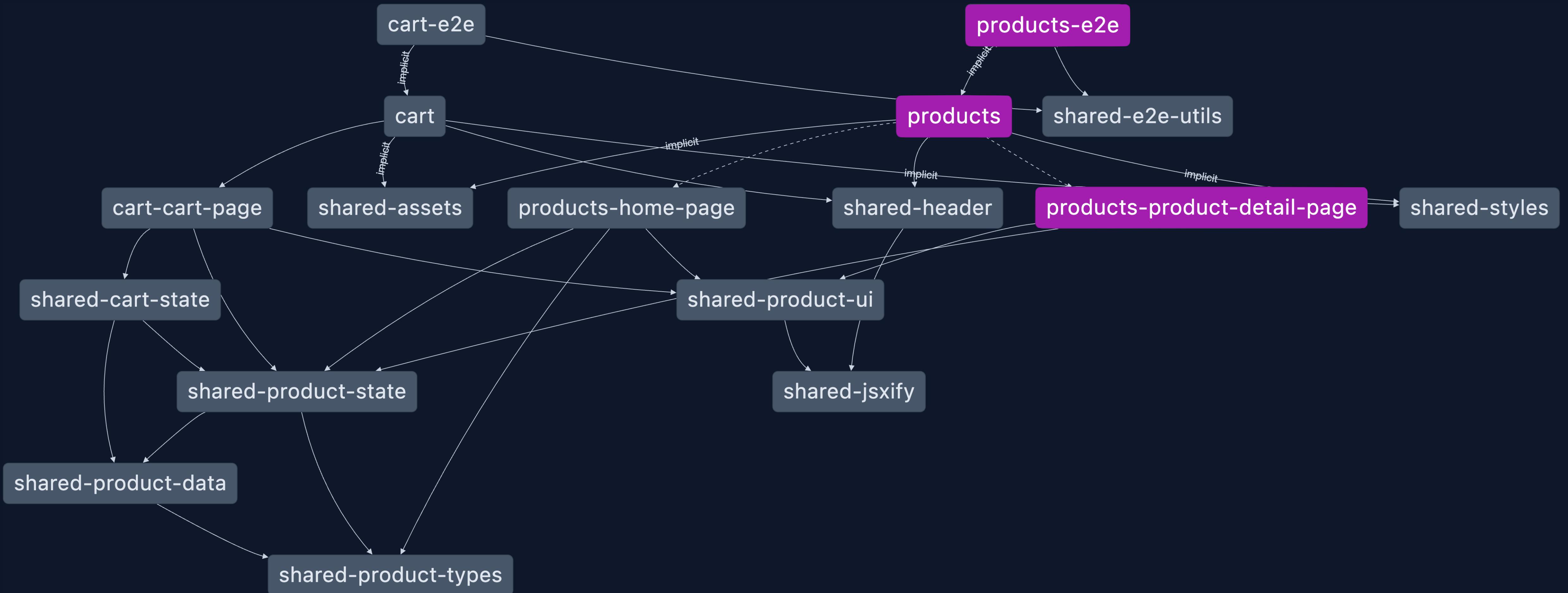
- Made with love by Nx

Running tests takes time [citation needed]





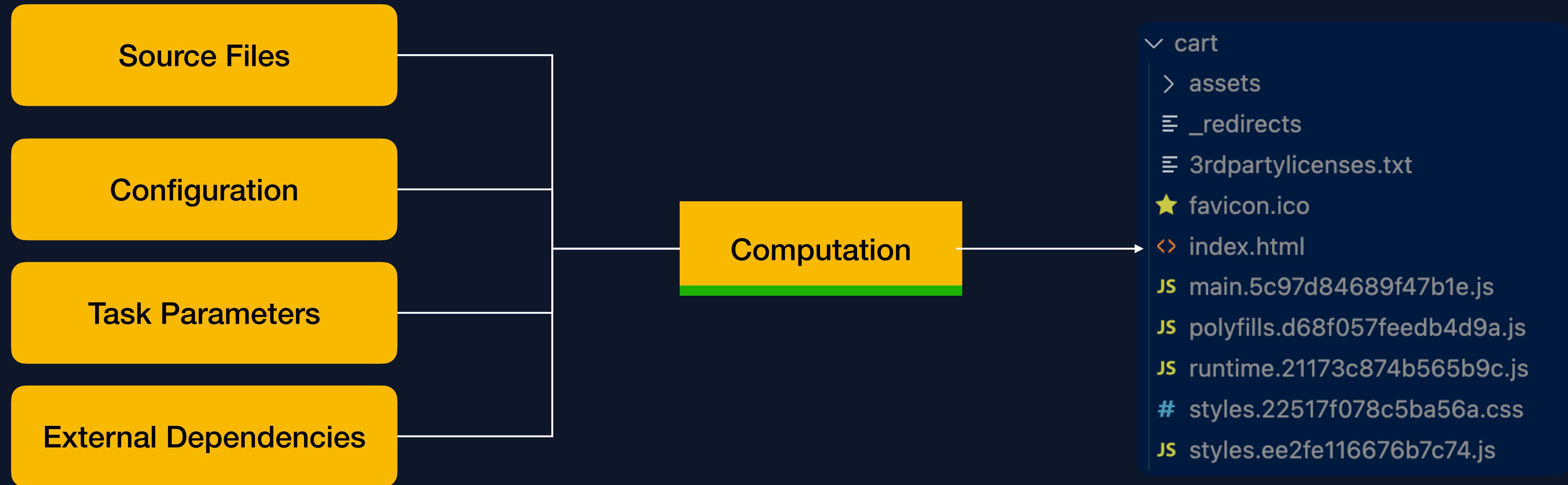




```
nx affected --targets test,lint,build,e2e
```

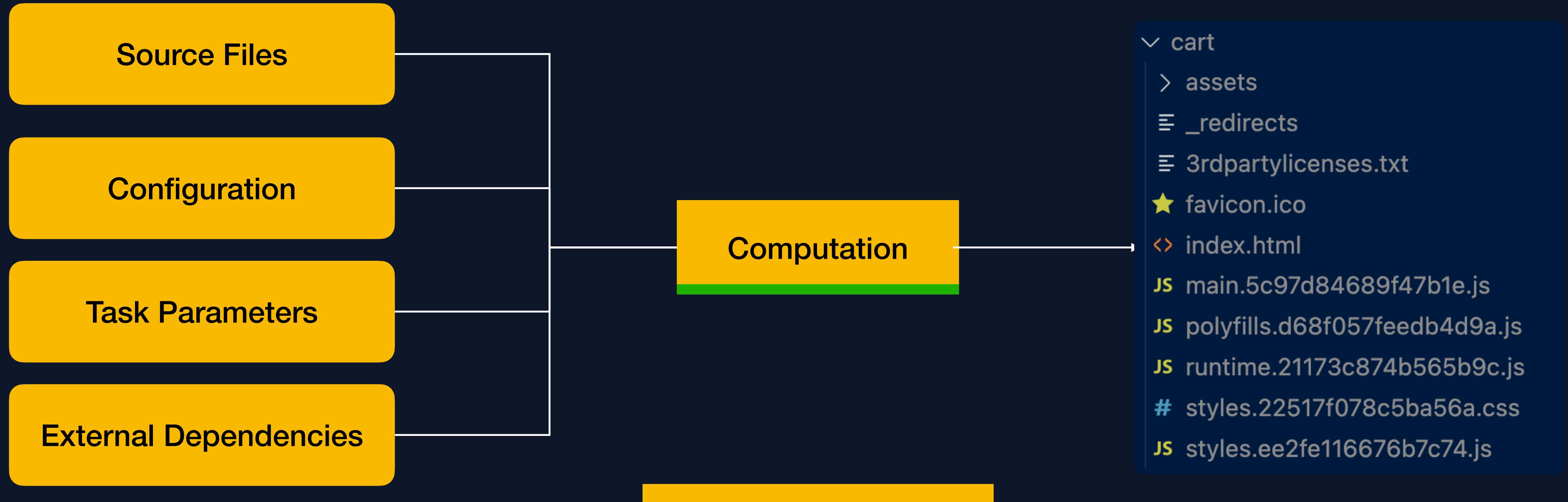
```
npm run build --production
```

npm run build --production



npm run build --production

with 



8743b52063cd84097a65d1633f5c74f5

npm run build --production

with 

Source Files

Configuration

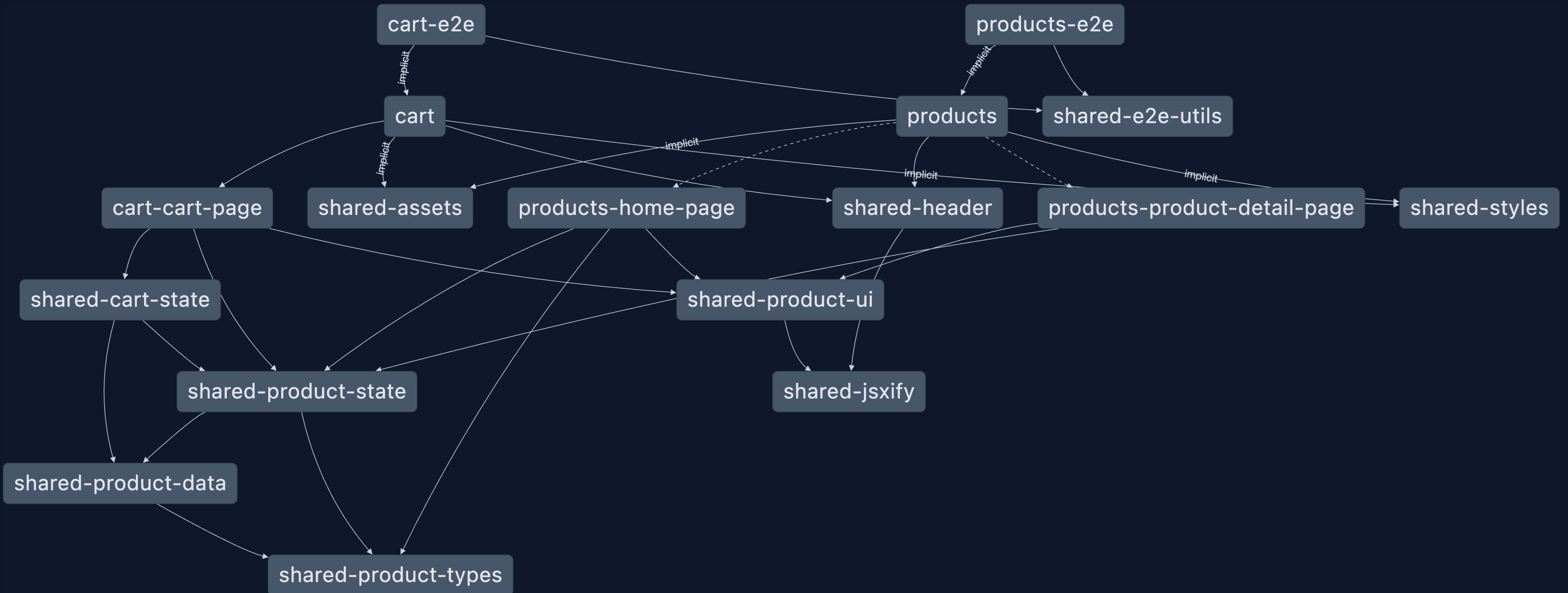
Task Parameters

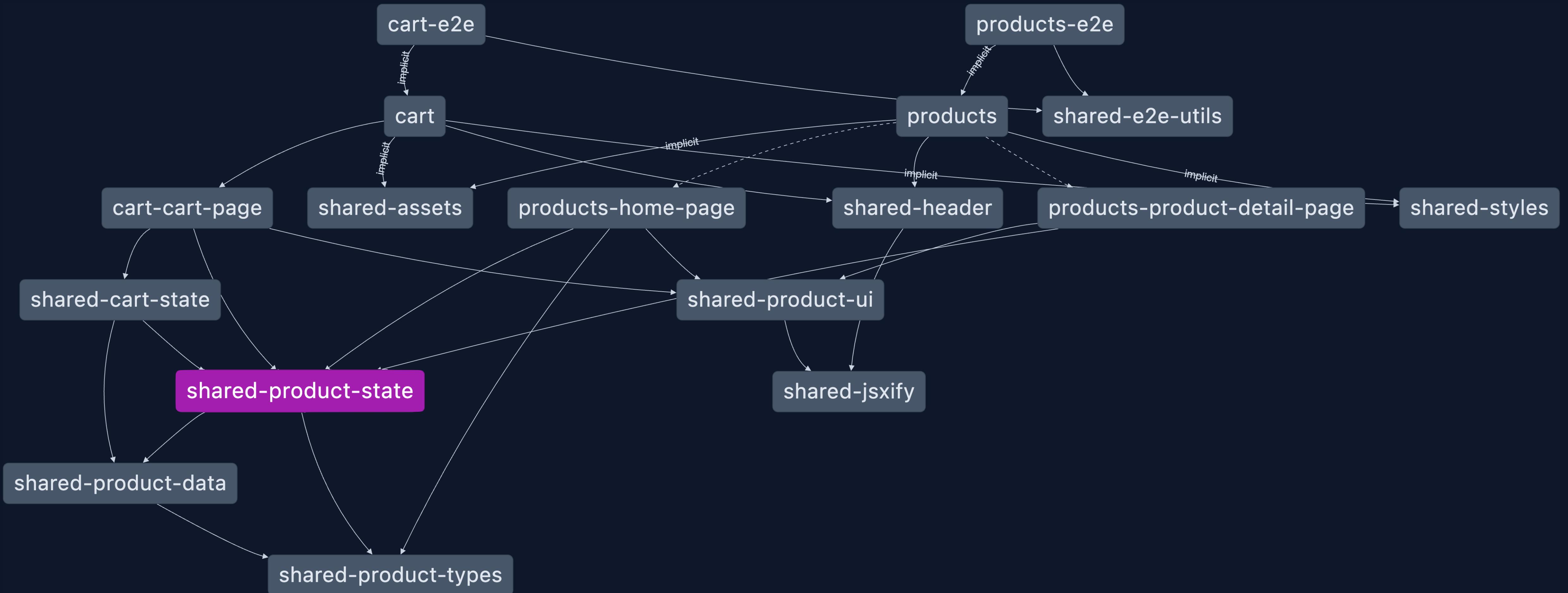
External Dependencies

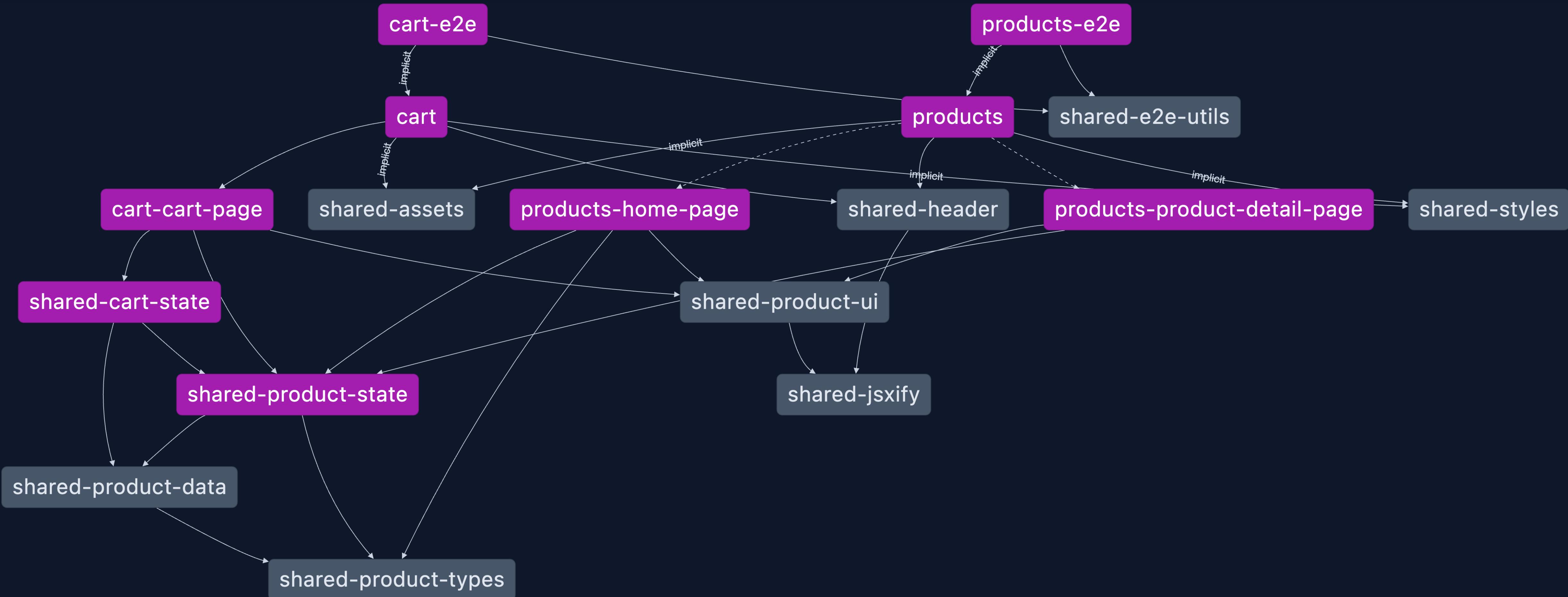
Computation Cache

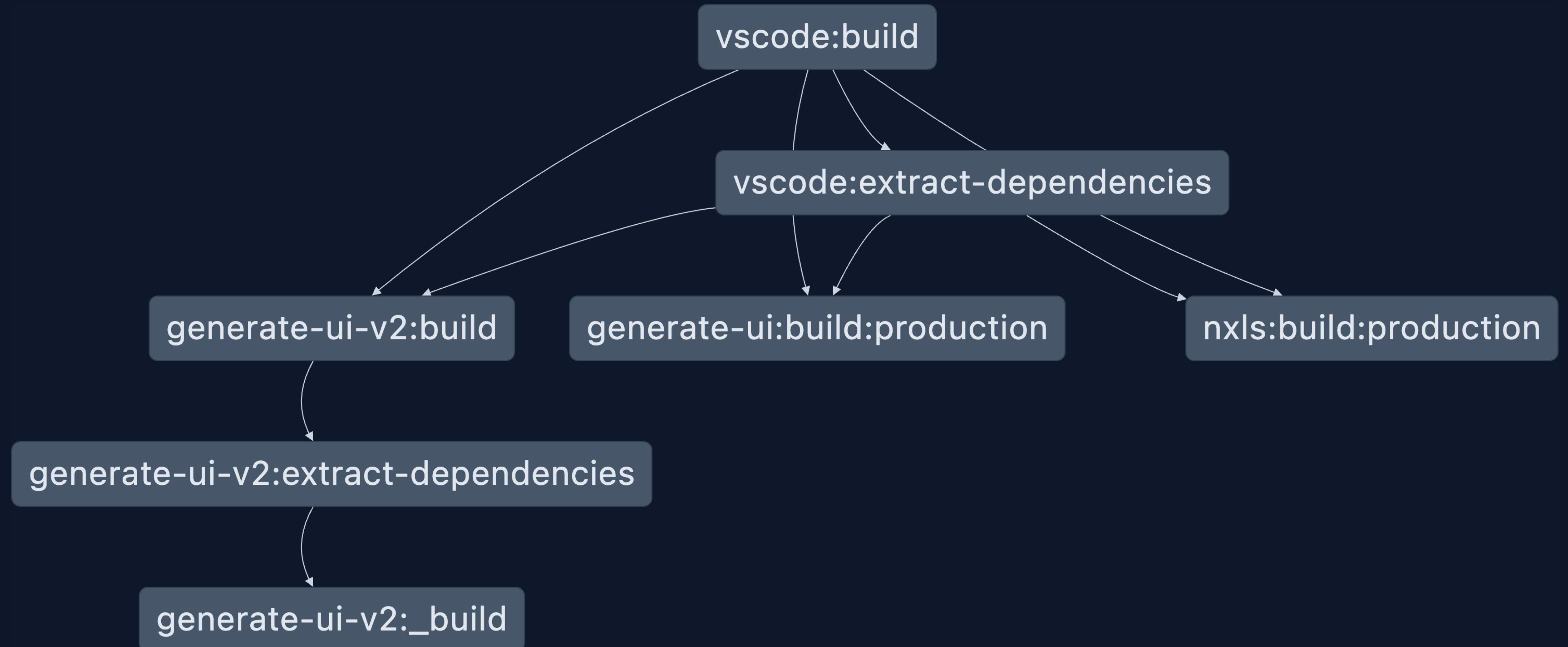


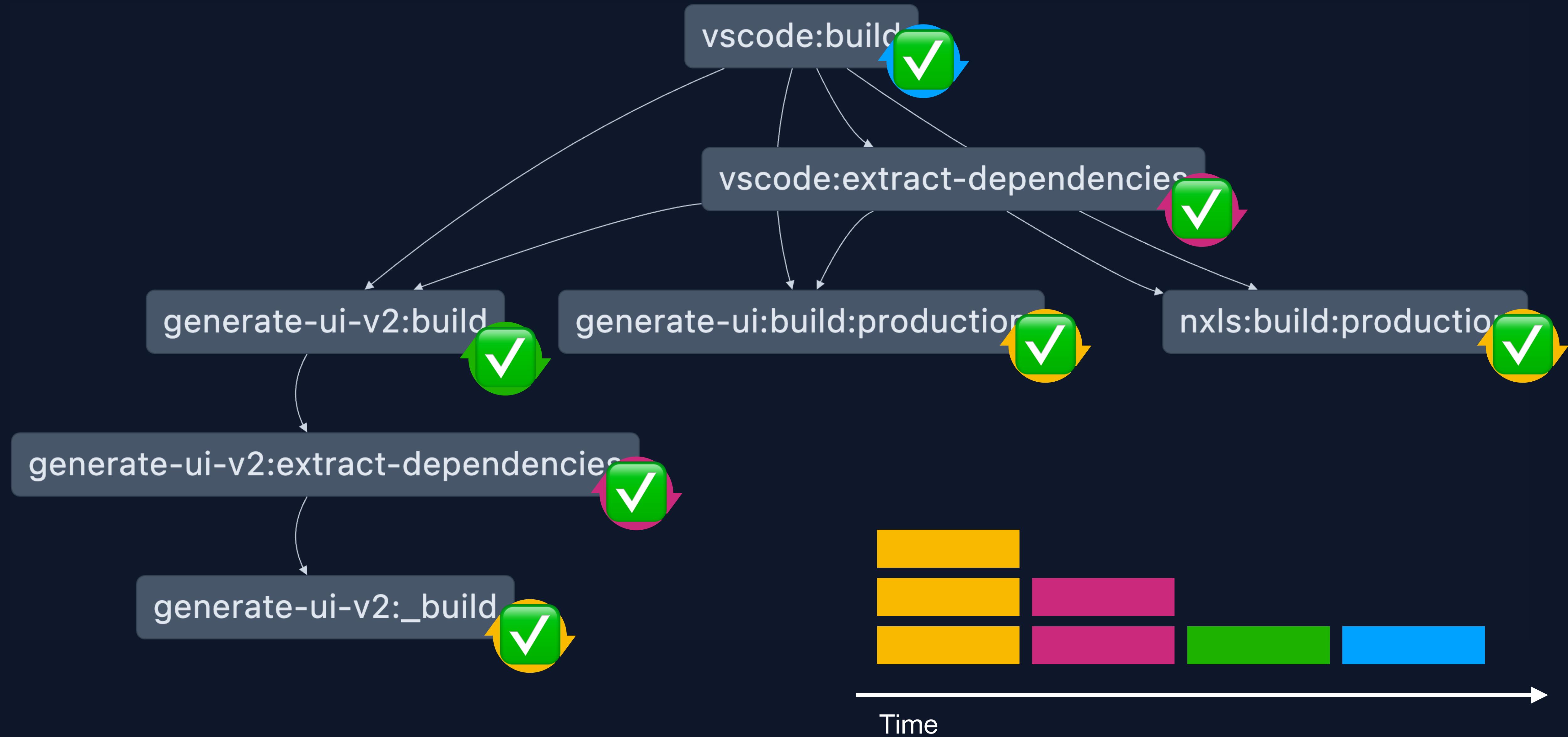
8743b52063cd84097a65d1633f5c74f5

















```
nx affected --targets build,lint,test,e2e
```

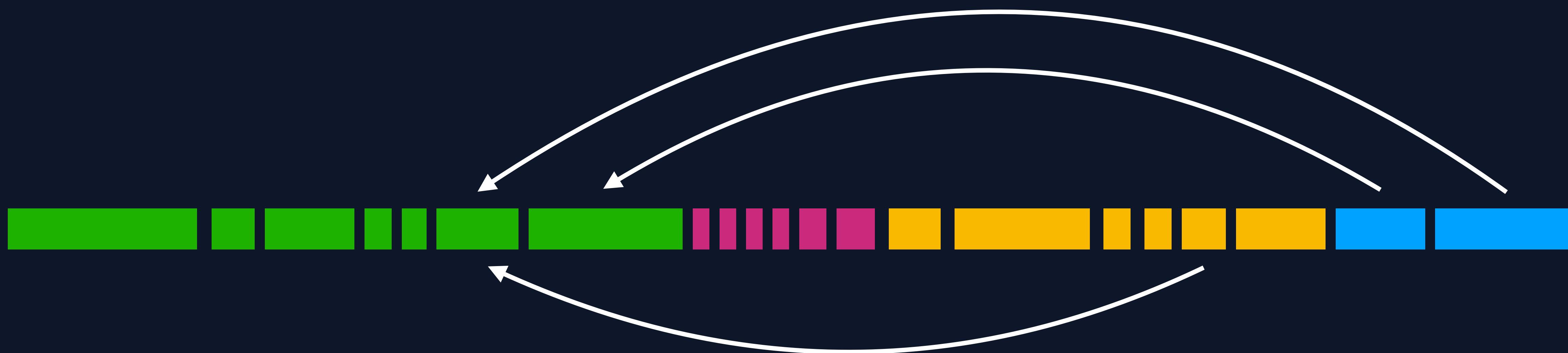
```
nx affected --targets build,lint,test,e2e
```



```
nx affected --targets build,lint,test,e2e
```



```
nx affected --targets build,lint,test,e2e
```



```
nx-cloud start-ci-run --distribute-on="4 linux-medium-js"  
nx affected --targets build,lint,test,e2e
```

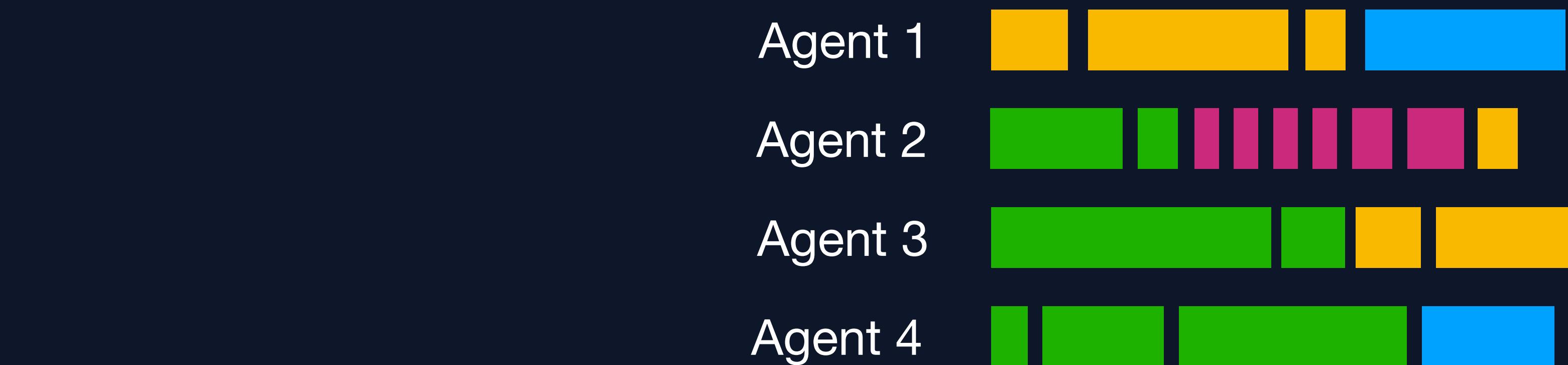


```
nx-cloud start-ci-run --distribute-on="4 linux-medium-js"  
nx affected --targets build,lint,test,e2e
```



```
nx-cloud start-ci-run --distribute-on="6 linux-medium-js"
```

```
nx affected --targets build,lint,test,e2e
```



```
nx-cloud start-ci-run --distribute-on="6 linux-medium-js"
```

```
nx affected --targets build,lint,test,e2e
```



```
nx-cloud start-ci-run --distribution-on="2 linux-medium-js"
```

```
nx affected --targets build,lint,test,e2e
```





monorepo.tools

monorepo.tools

[nx.dev](#)

THANK YOU!

@MaxKless



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 Nx Discord