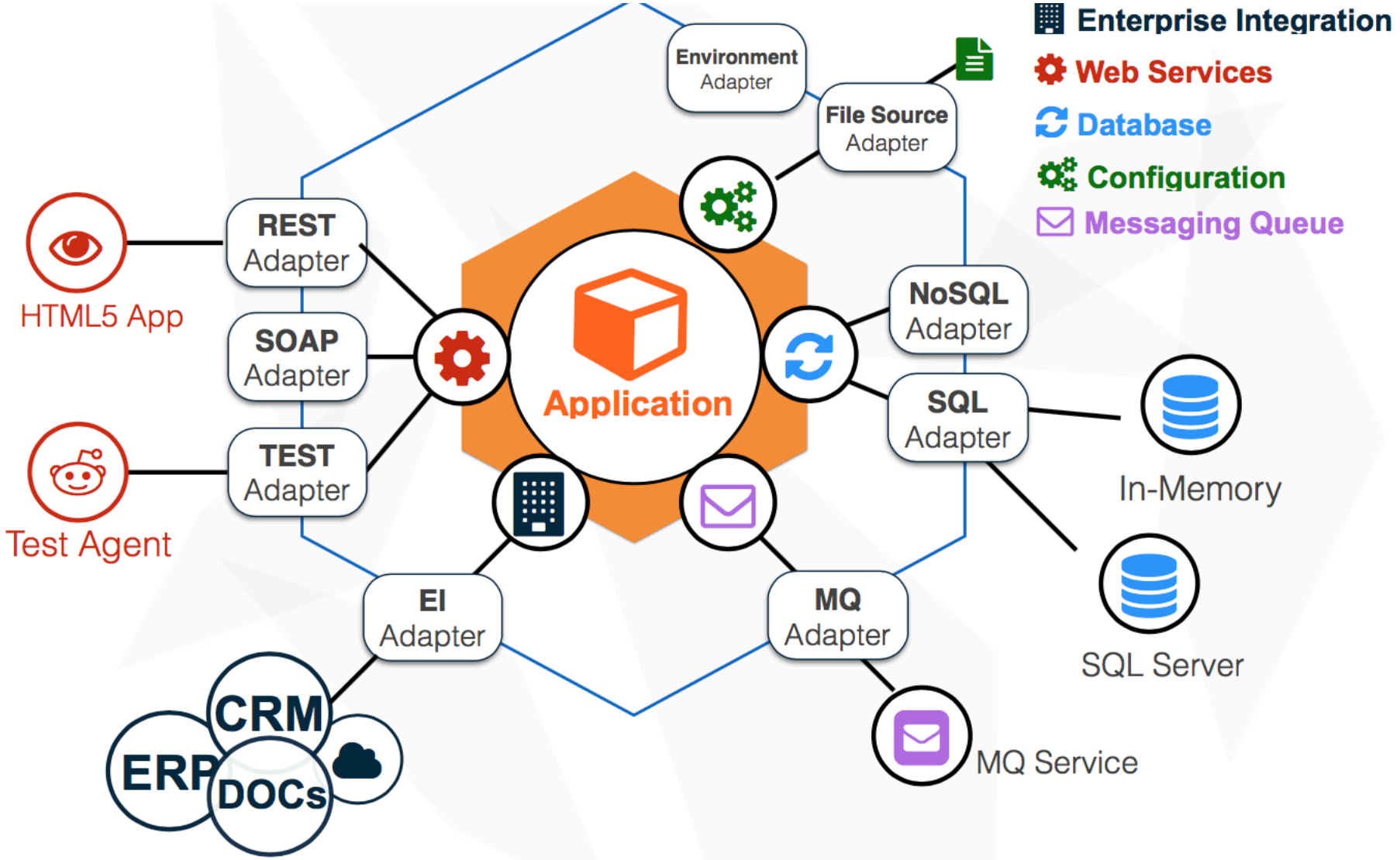
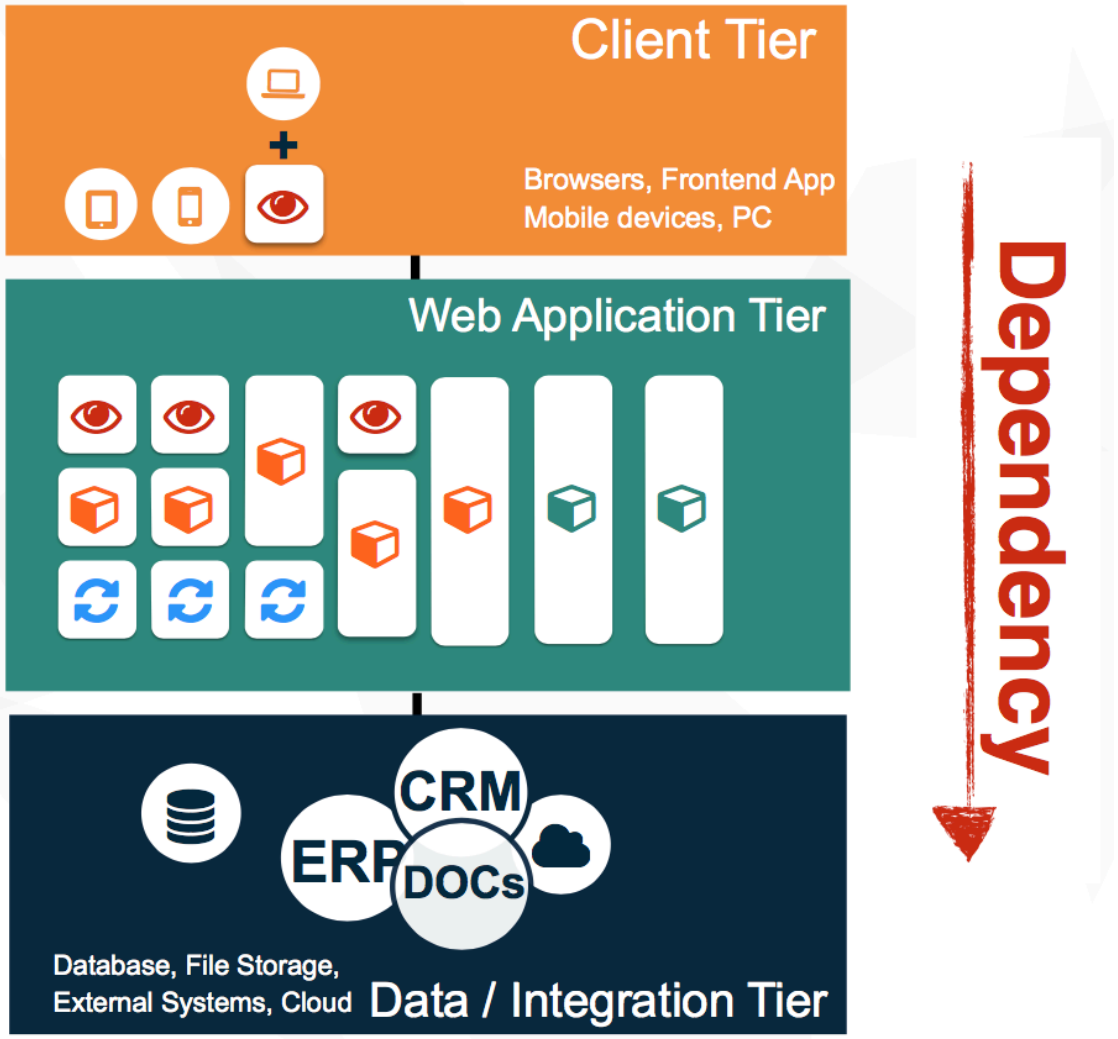
bns it

Ports and adapters



Layers


Client Tier
Browsers, Frontend App
Mobile devices, PC
Web Application Tier
CRM
ERP
DOCs
Database, File Storage,
External Systems, Cloud
Data / Integration Tier
Dependency

Ports and adapters

"Allow an application to equally be driven by users, programs, automated test or batch scripts, and to be developed and tested in isolation from its eventual run- time devices and databases."

Alistair Cockburn

Alternative names

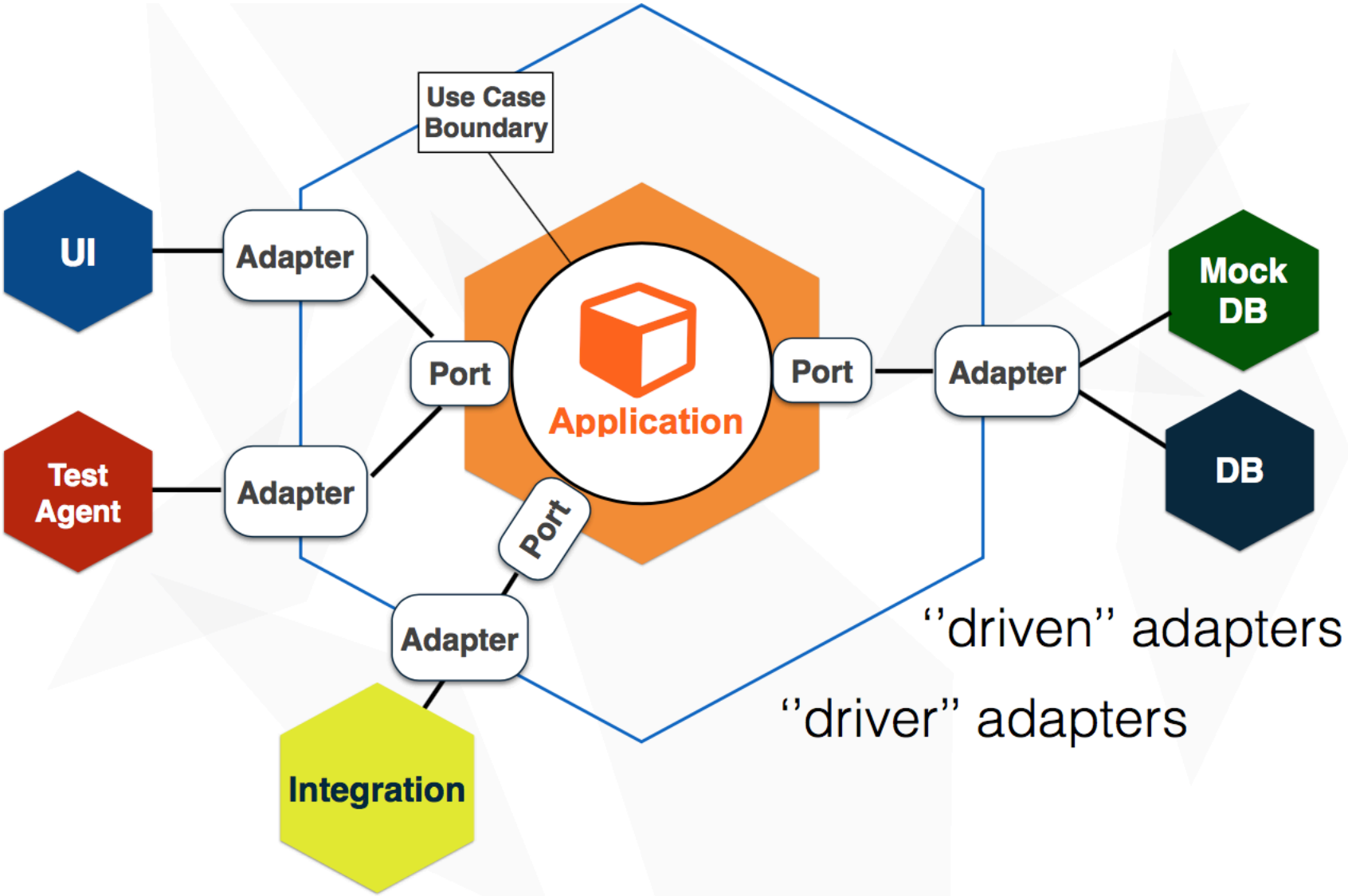
- Ports & Adapters
- Onion Architecture / Onion Layers

Ports and adapters

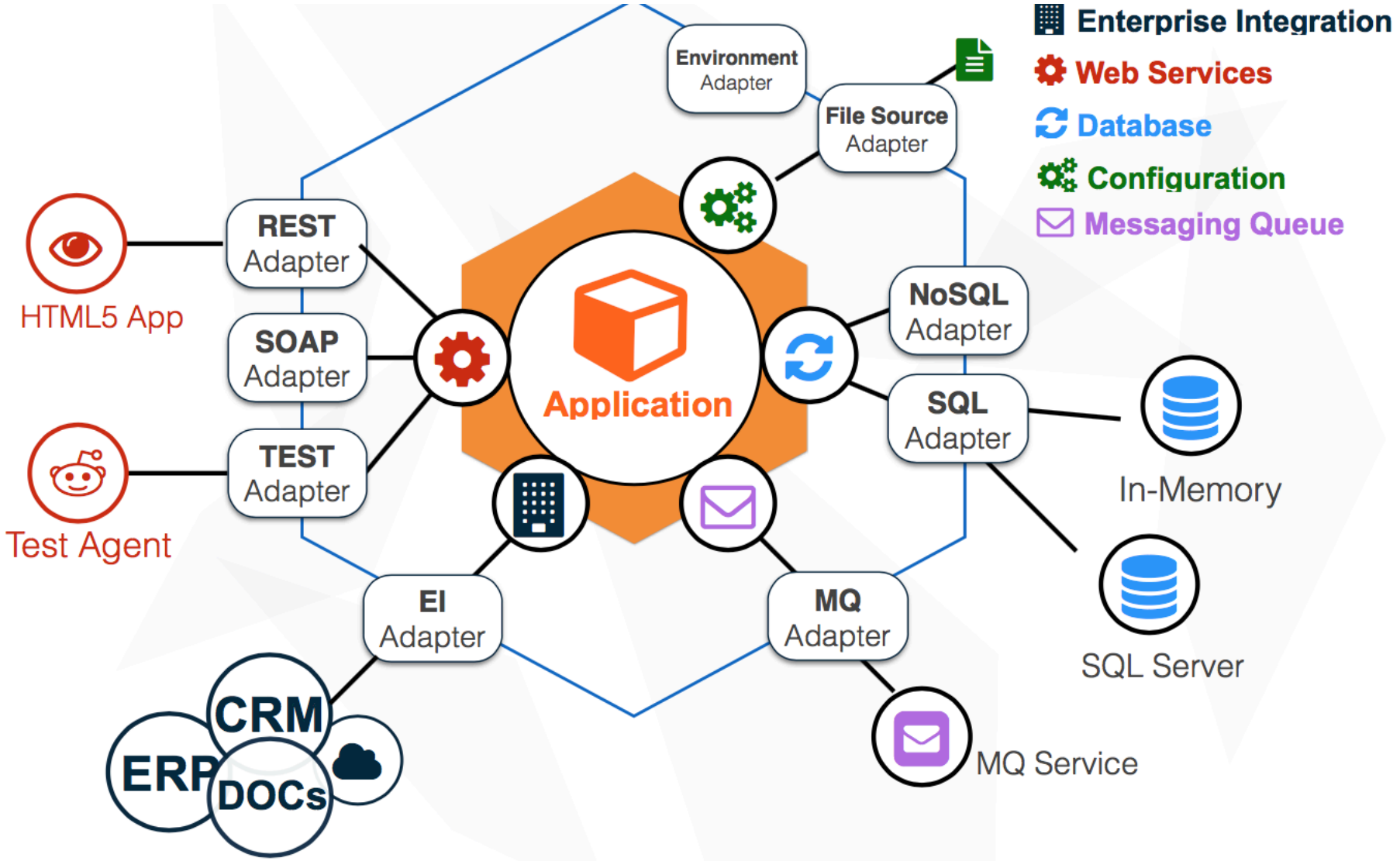
Ports are interfaces

Adapters are implementations

Ports and adapters



Ports and adapters



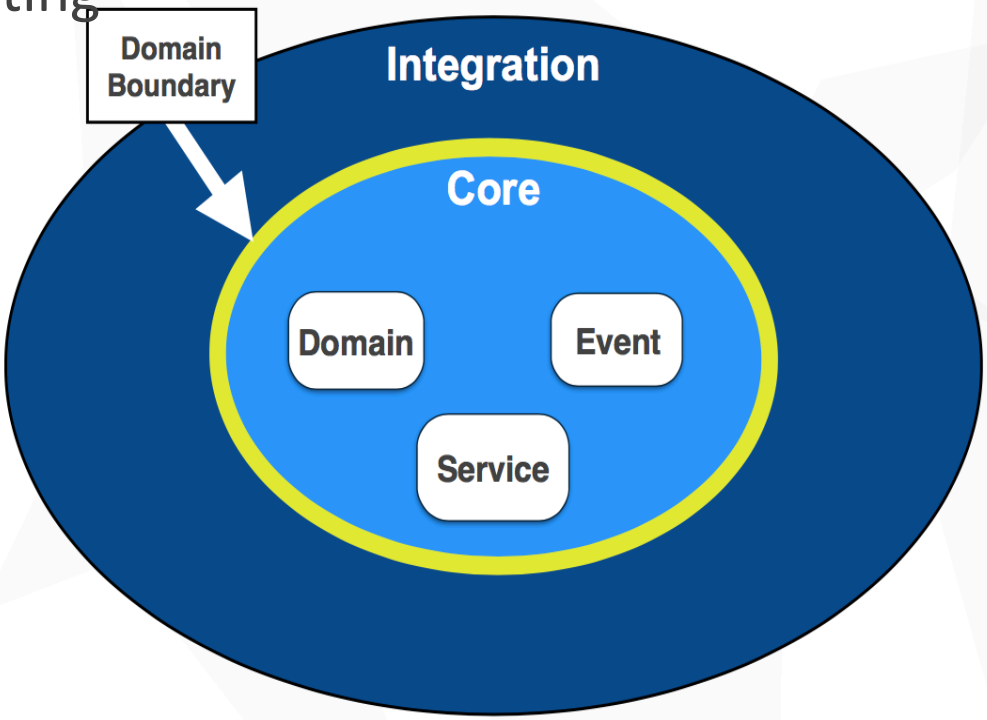
Ports and adapters

Core

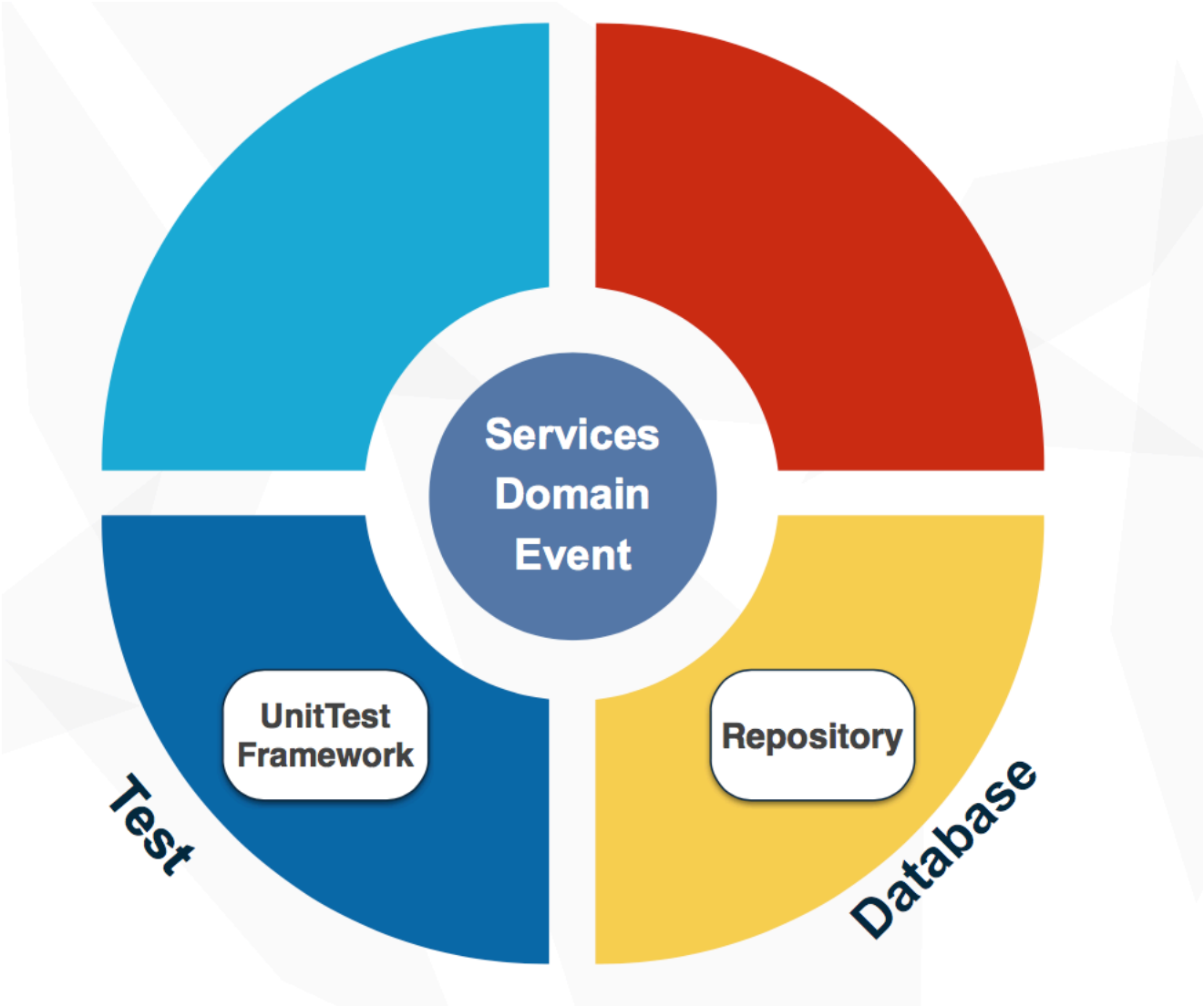
- Single purpose
- Focus on unit testing
- No side-effects

Integration

- Side effects

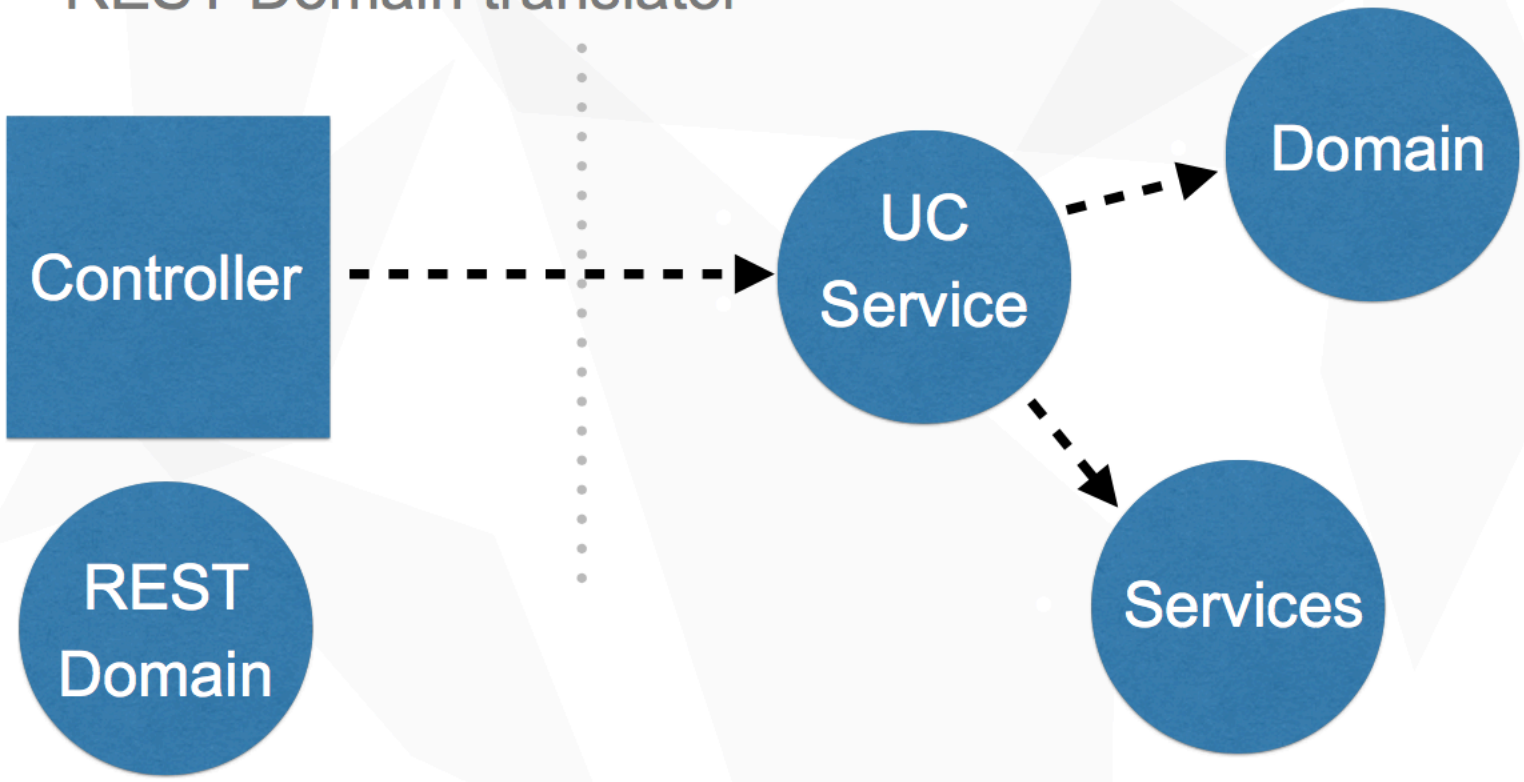


Ports and adapters

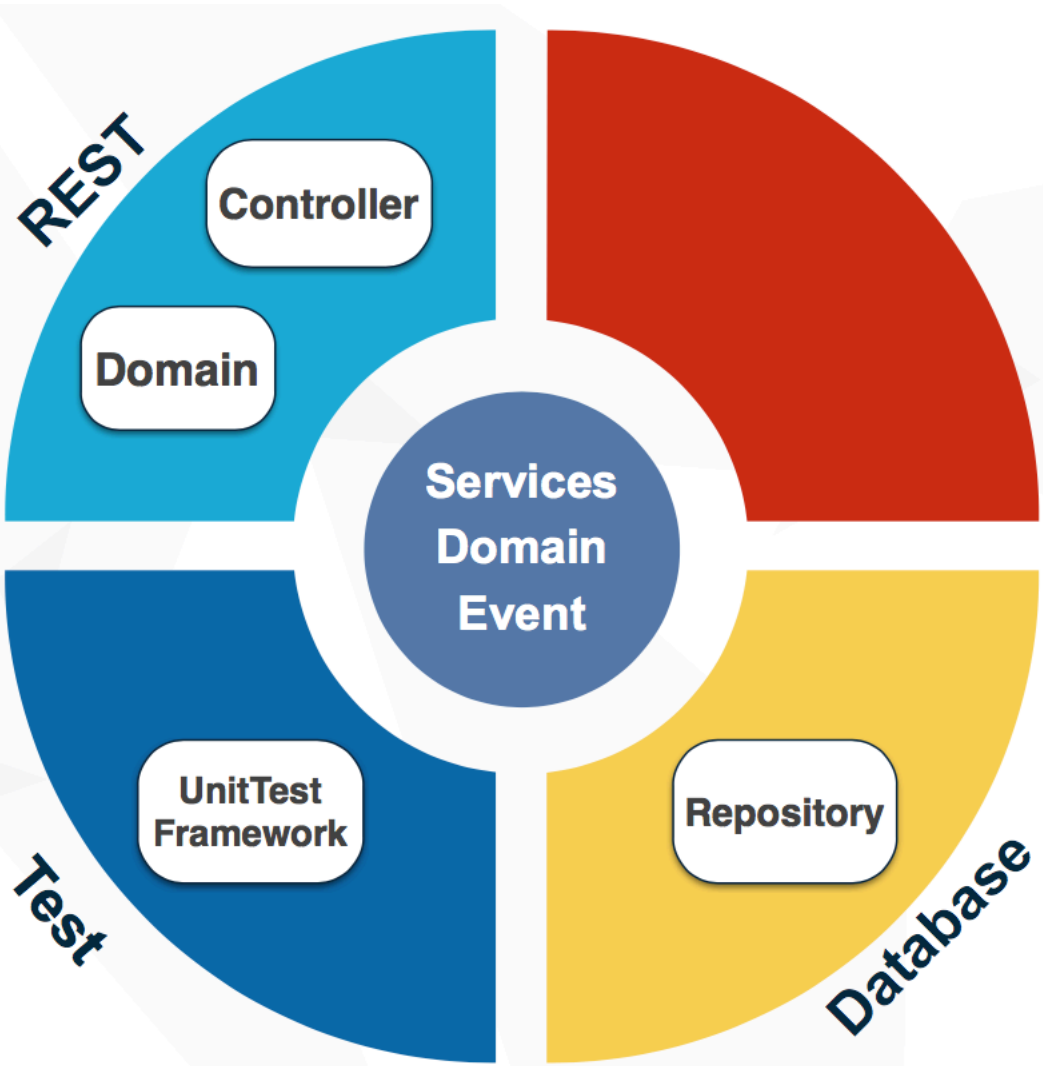
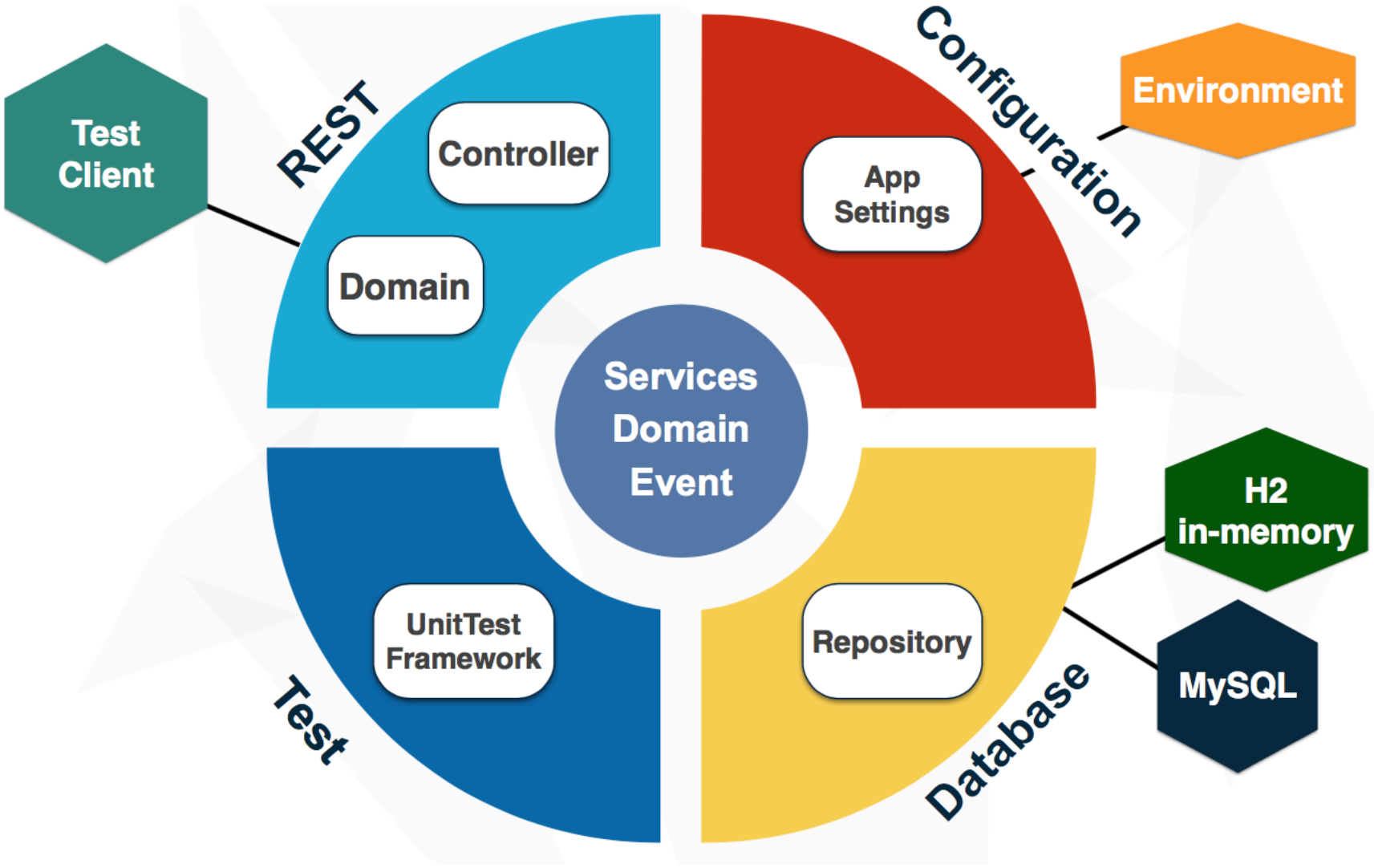


REST Controllers

- Dummy service invokers
- Do not perform multiple service calls
- It does not make any workflow decision
- REST Domain translator



REST Controllers



App settings