

Evolving the Architecture



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Overview



Evolving the Architecture

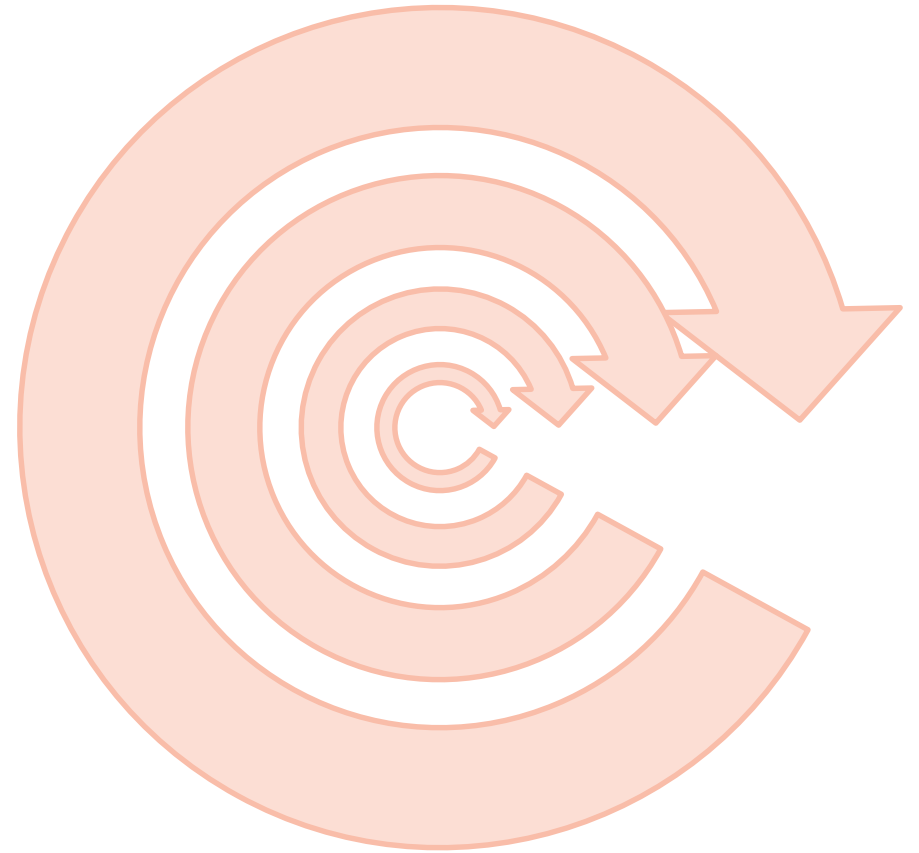
More Information

Course Summary



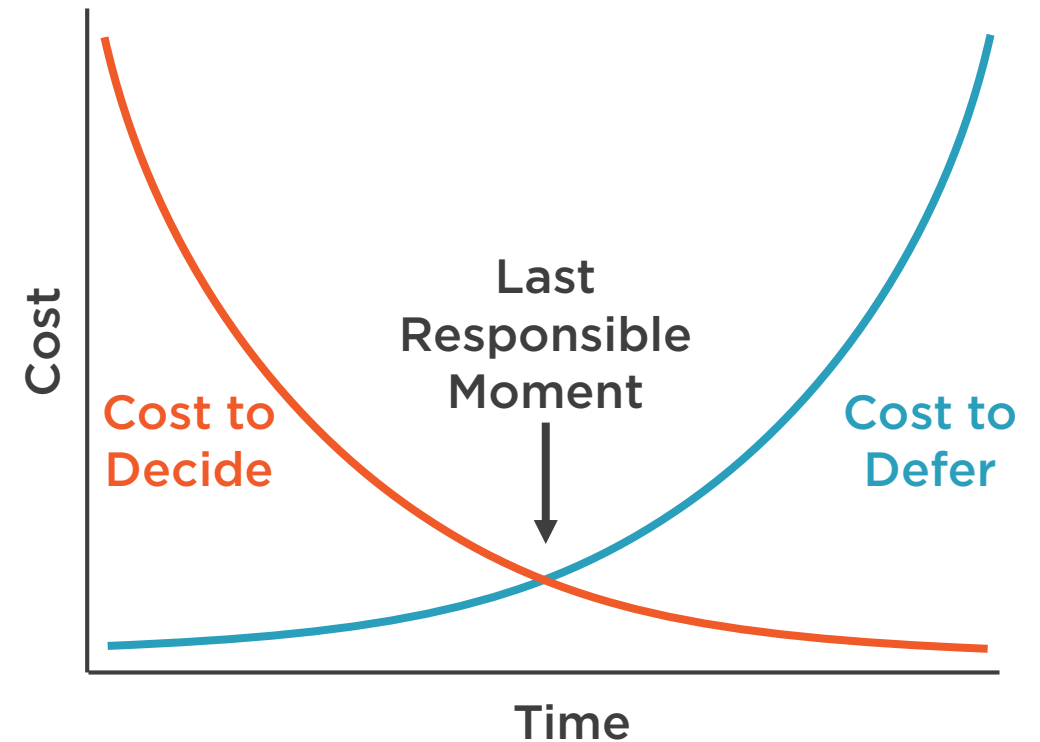
Just the Beginning

Just a starting point
Risk due to uncertainty
Changing requirements
Architecture must evolve



Last Responsible Moment

Make informed decisions
Deciding too early is a risk
Deciding too late is a risk
Defer decisions until LRM



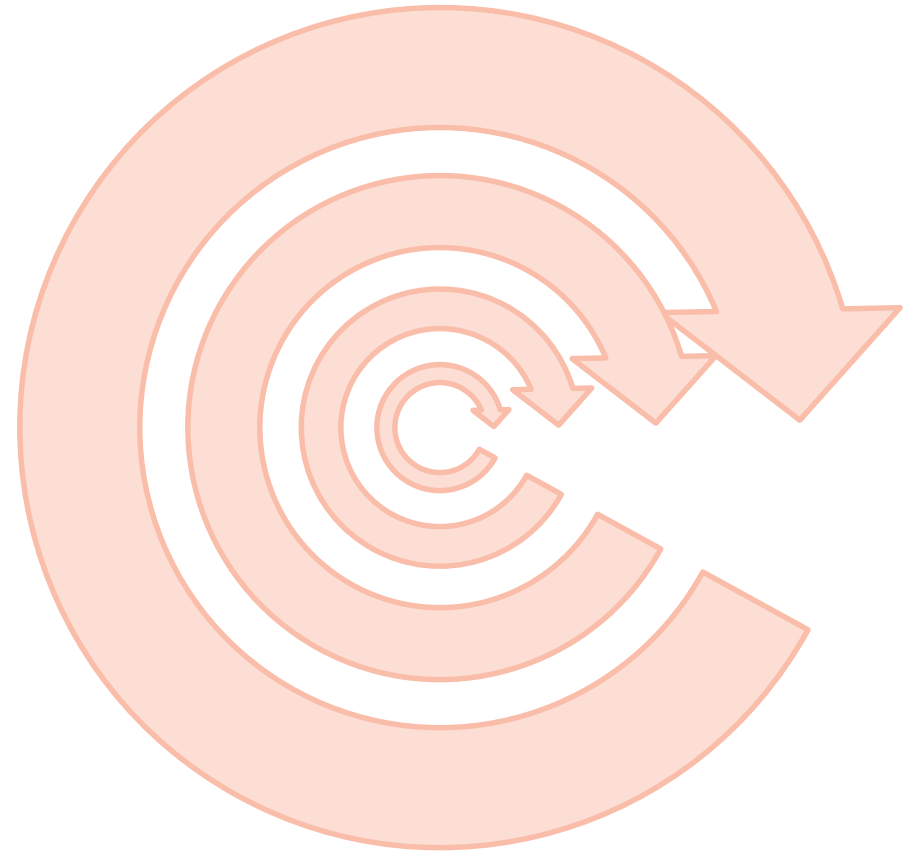
Evolving the Architecture

Eliminate risk early

Technology may change

Markets may change

Preferences may change



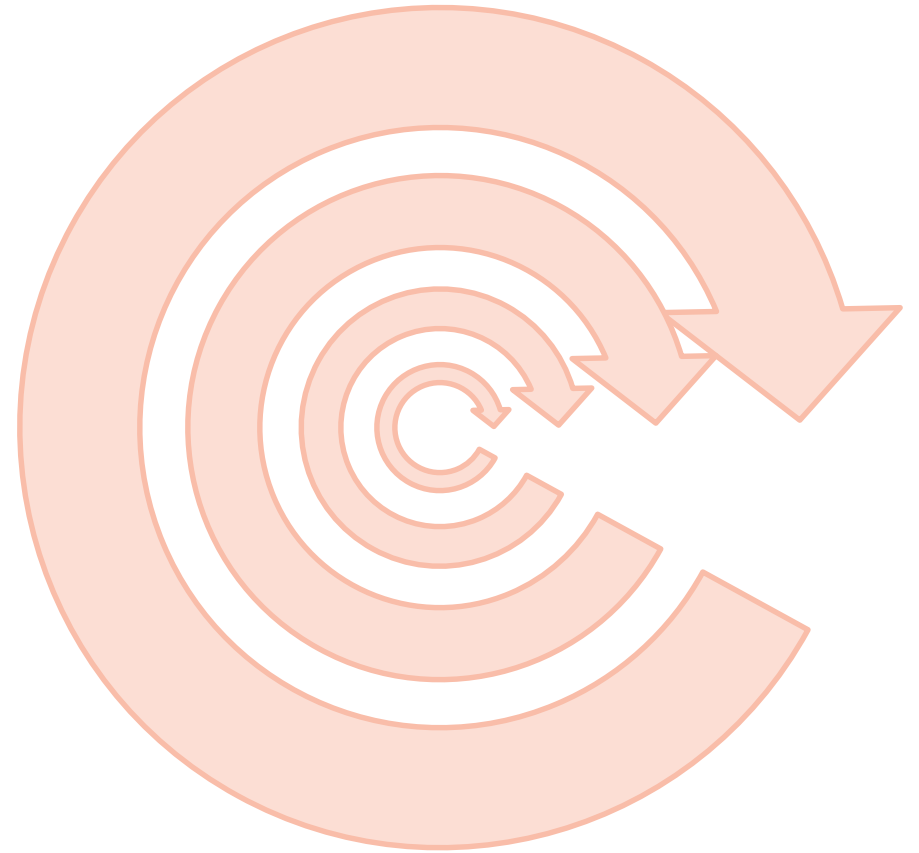
Why Use Evolutionary Architecture?

Pros

Embraces uncertainty

Embraces change

Reduces risk



Why Use Evolutionary Architecture?

Pros

Embraces uncertainty

Embraces change

Reduces risk

Cons

Assumes uncertainty

Assumes instability

Still has limitations



Where to Go Next



Recommended Books

Patterns of Enterprise Application Architecture

Clean Architecture

Domain-Driven Design

Dependency Injection in .NET



Recommended Courses

Domain-Driven Design Fundamentals

Domain-Driven Design in Practice

Modern Software Architecture

Microservices Architecture

Dependency Injection On-Ramp



www.pluralsight.com



Recommended Websites

Martin Fowler: <http://martinfowler.com>

Greg Young: <https://goodenoughsoftware.net>

Udi Dahan: <http://udidahan.com>



Recommended Websites

Matthew Renze

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News

2016-11-10 - MVP Global Summit Recap

I'm wrapping up four days of learning, networking, and providing feedback to Microsoft at the MVP Global Summit today. It was great to see all of my old friends and to make new friends as well.



2016-11-03 - How to Create Data Visualizations with R

Learn how to create data visualizations with the three main plotting systems in R.

[Read article....](#)



2016-10-31 - DevSci: Agile, DevOps, and Data Science

An observation about how Agile, DevOps, and Data Science are converging to produce the DevSci movement.

[Read article....](#)



Matthew is an independent software consultant, author for Pluralsight, international public speaker, a Microsoft MVP, ASPInsider, and open-source software contributor.



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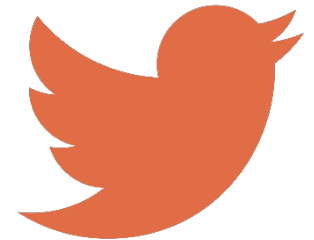
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Course Summary

Clean Architecture



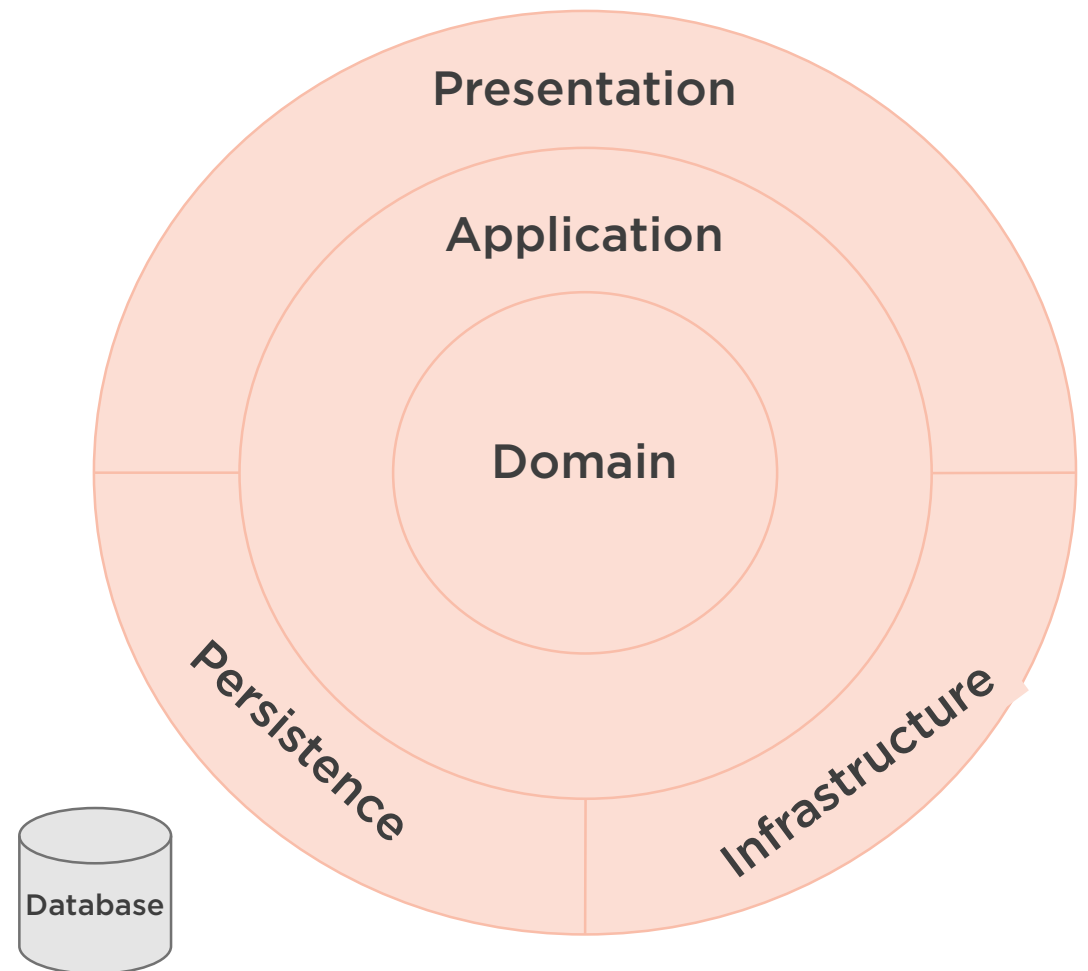
Inhabitants



Course Summary

Clean Architecture

Domain-centric Architecture

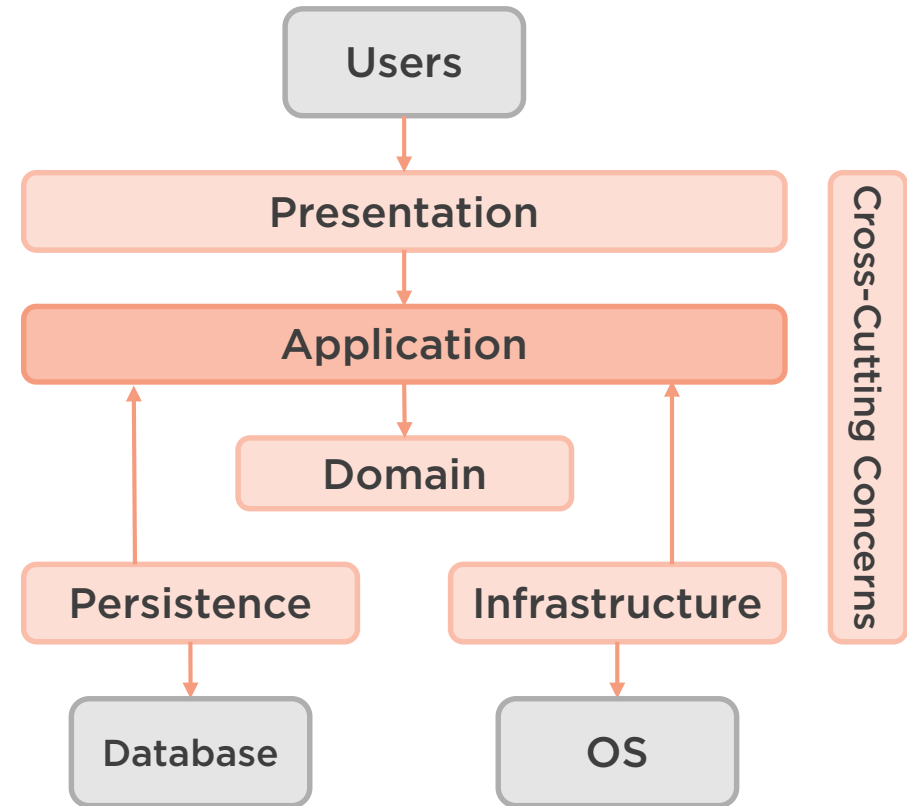


Course Summary

Clean Architecture

Domain-centric Architecture

Application Layer



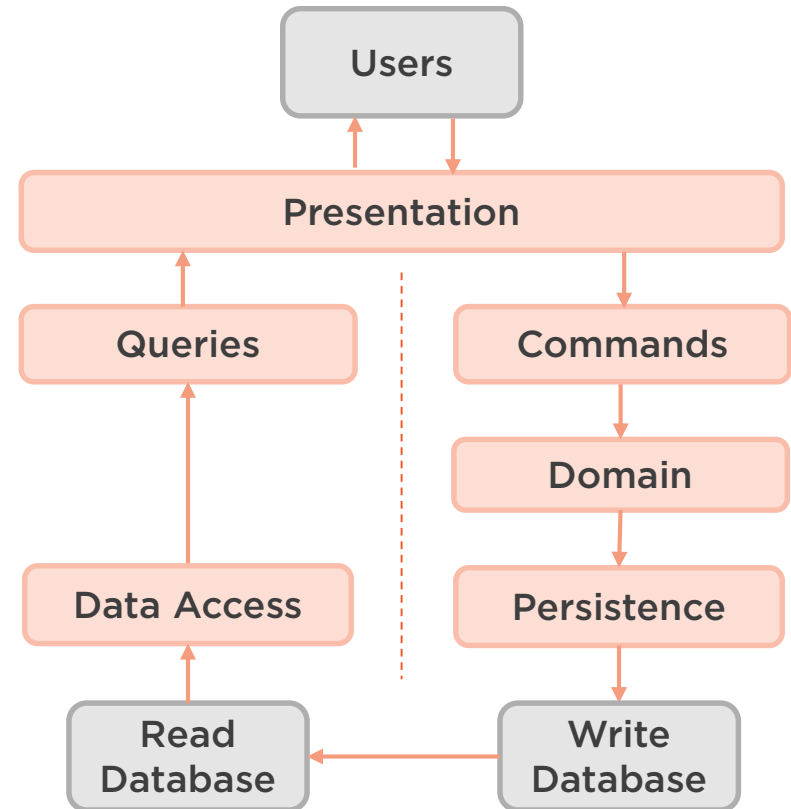
Course Summary

Clean Architecture

Domain-centric Architecture

Application Layer

Commands and Queries



Course Summary

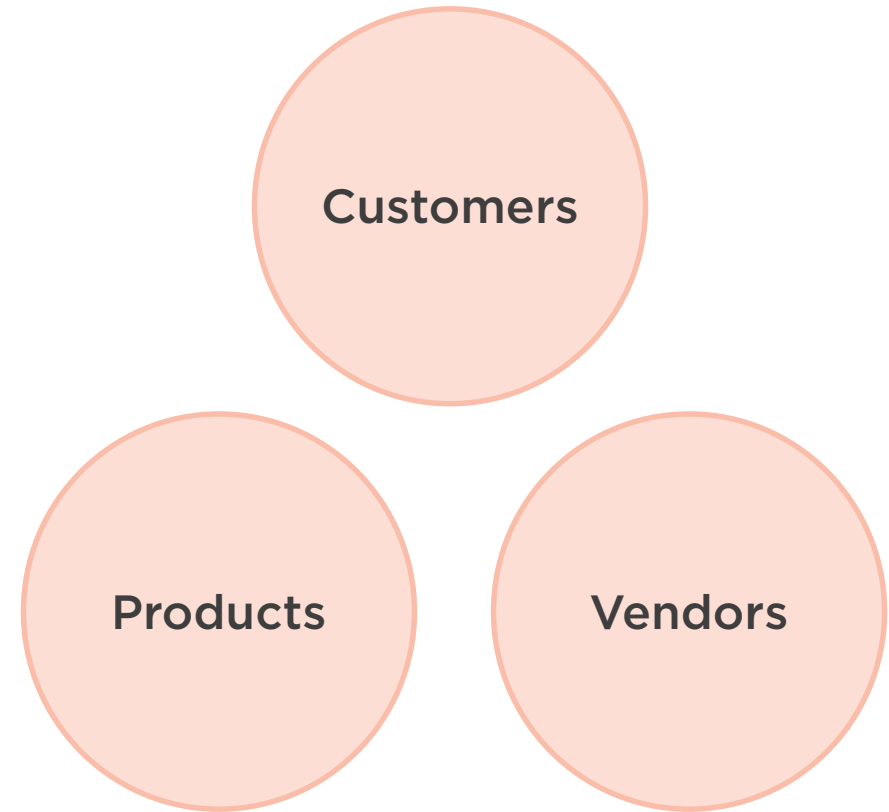
Clean Architecture

Domain-centric Architecture

Application Layer

Commands and Queries

Functional Organization



Course Summary

Clean Architecture

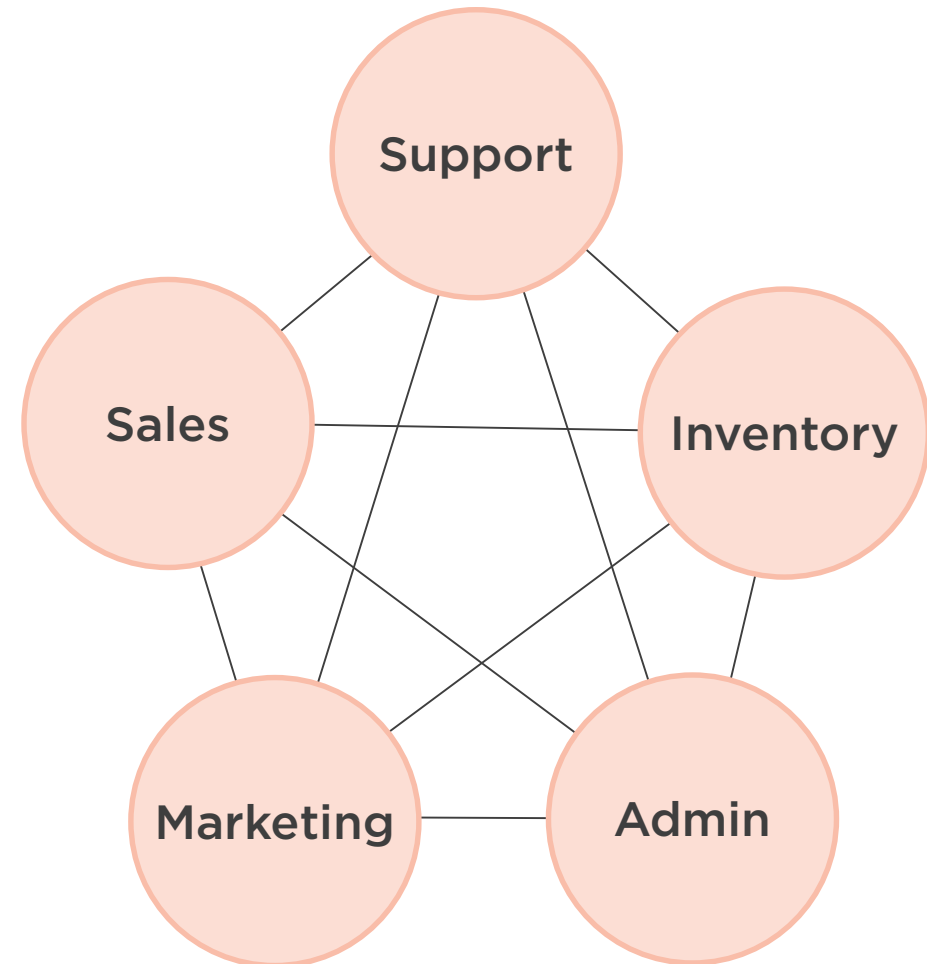
Domain-centric Architecture

Application Layer

Commands and Queries

Functional Organization

Microservices



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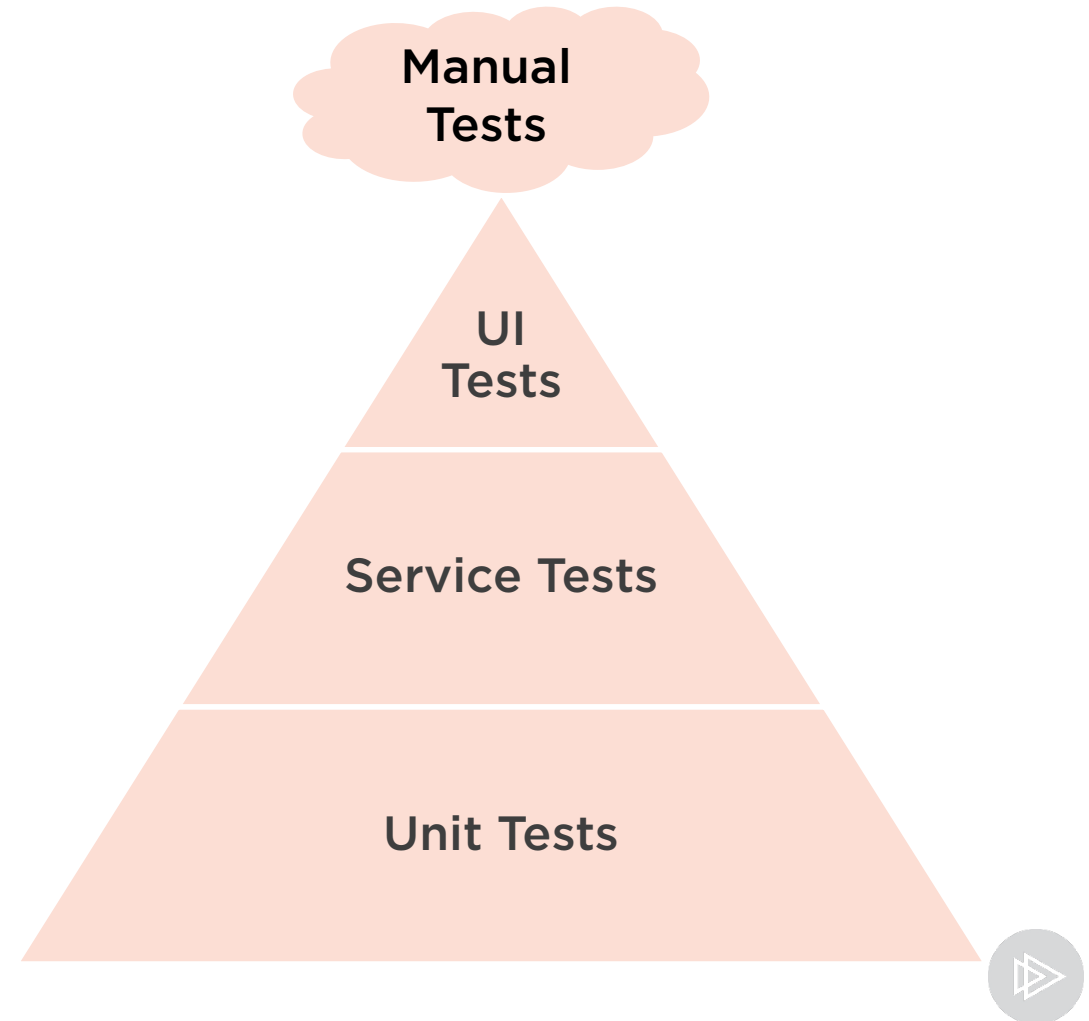
Application Layer

Commands and Queries

Functional Organization

Microservices

Testable Architecture



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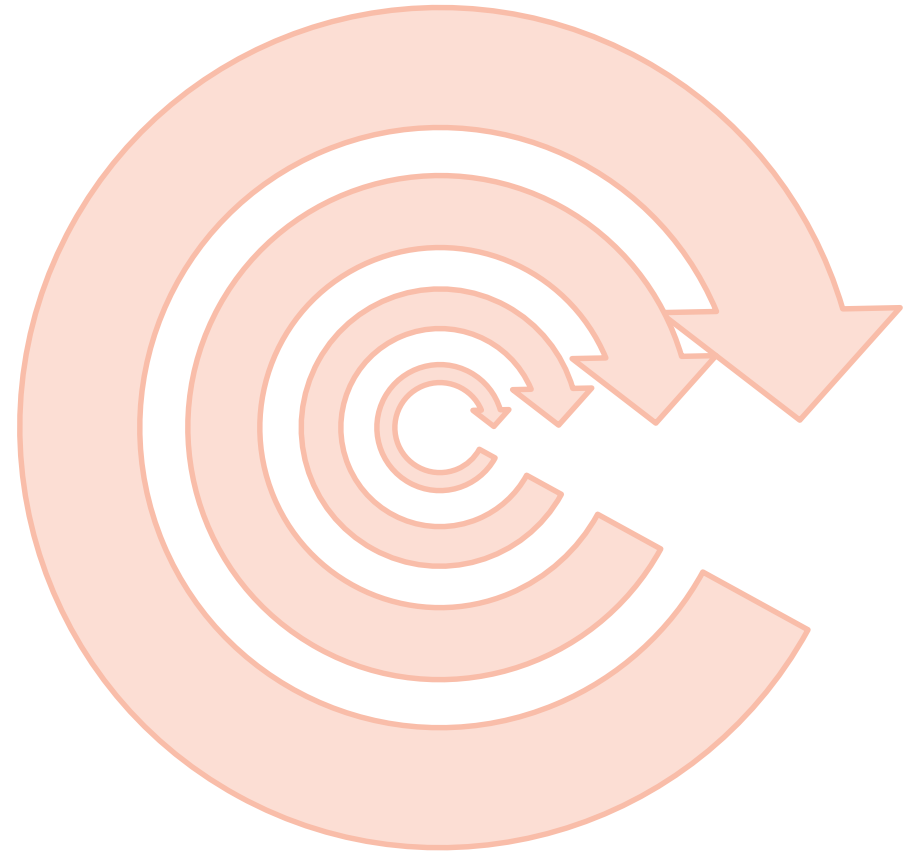
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Functional Organization

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Testable Architecture

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Thank you!

