Composable DevOps - Reliability at Lightspeed!

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#sugcon

SUGCON
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Snr. Developer 🥑 - Sitecore

Software Developer, Movie Lover, Music Listener, Pizza Eater, Meat Smoker
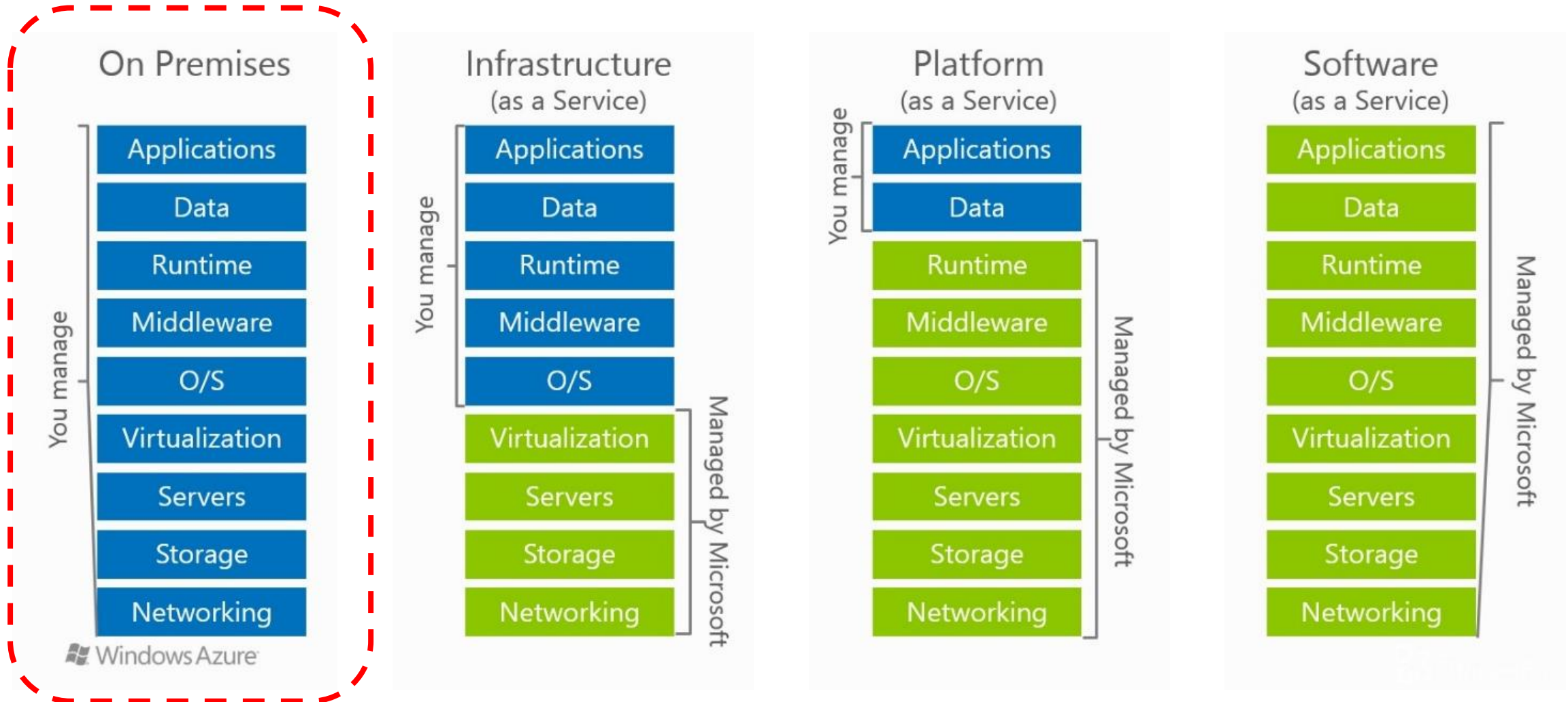
🇬🇧 **living in** 🇦🇺

🐦 @RobEarlam

🌐 https://robearlam.com

The hosting journey....

Sitecore XP Today

Sitecore® Experience Platform™

Forms database	Private Session State Store	Shared Session State Store	Master database
Web database	Core database	Content Delivery	Content Management
Content Publishing	Data Exchange Framework Remote Client	Web Index	Core Index
Master Index	Device Detection	IP Geolocation	

xDB Collection database	EXM database	Message Bus database	xDB Reference Data database
xConnect Collection	xConnect Collection Search	xConnect Search Indexer	EXM Dedicated Dispatch
Reference Data	xDB Index	Testing Index	Suggested Test Index
FXM Web Index	FXM Master Index	Email Dispatch	

xDB Processing Tasks database	xDB Processing Pools database	xDB Reporting database	Marketing Automation database
xDB Processing	xDB Reporting	Marketing Automation Engine	Marketing Automation Operations
Marketing Automation Reporting	Master Marketing Assets Index	Master Marketing Definitions Index	Web Marketing Definitions Index
Web Marketing Assets Index			

Platform

Composable

Giving up the data Layer
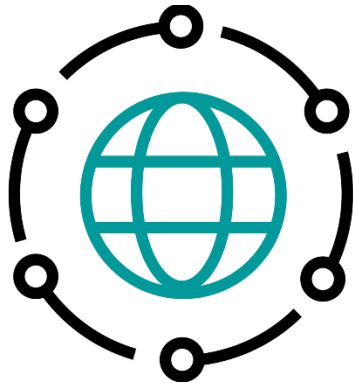
Environment
Provisioning /
Management

Data
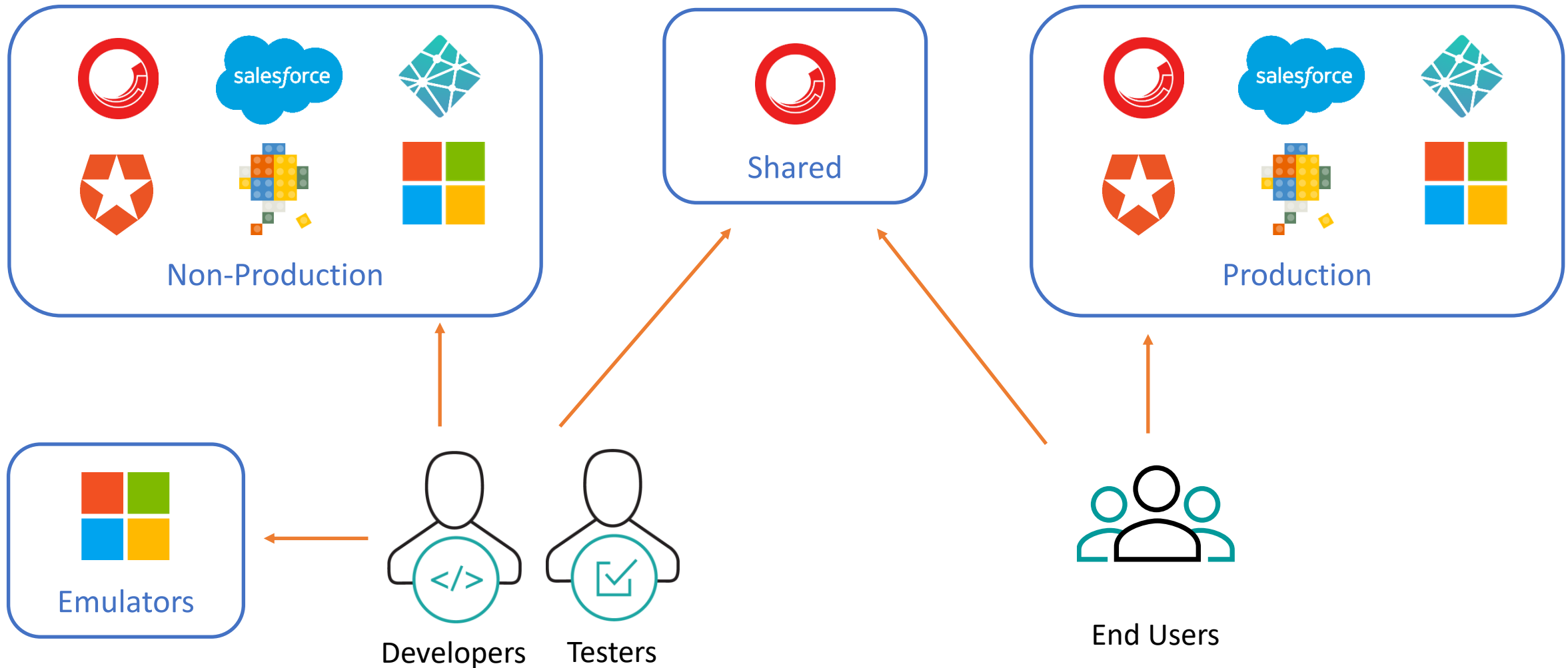Synchronisation
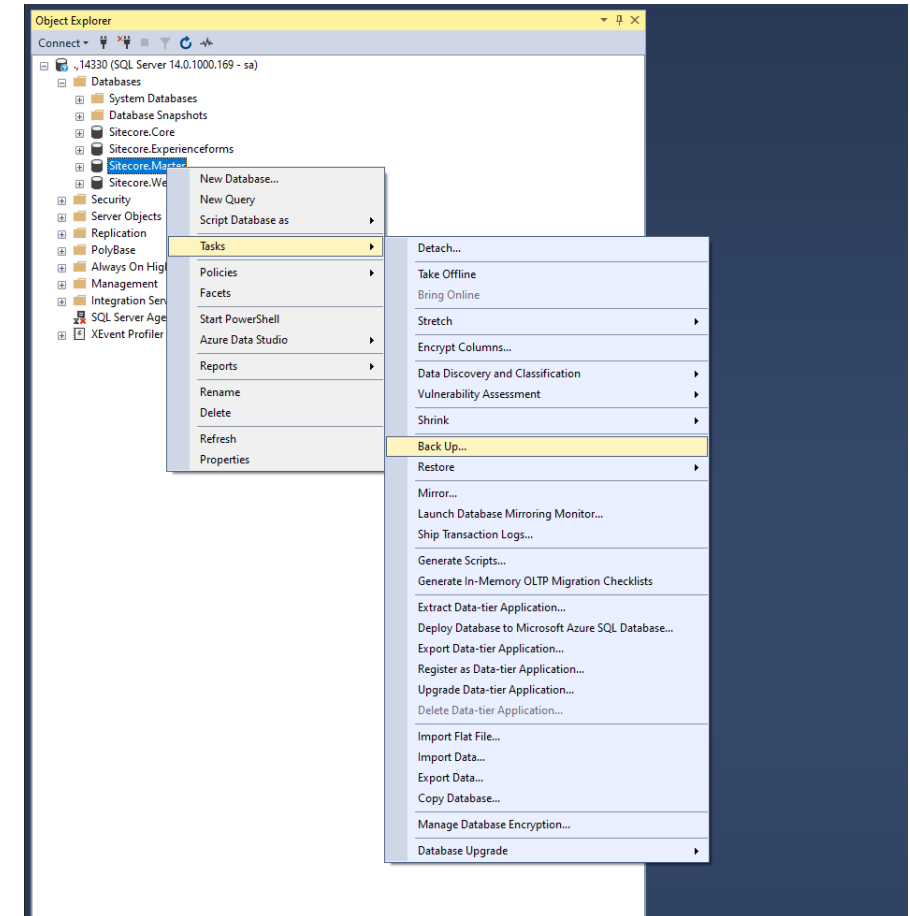
Environment Provisioning - Before

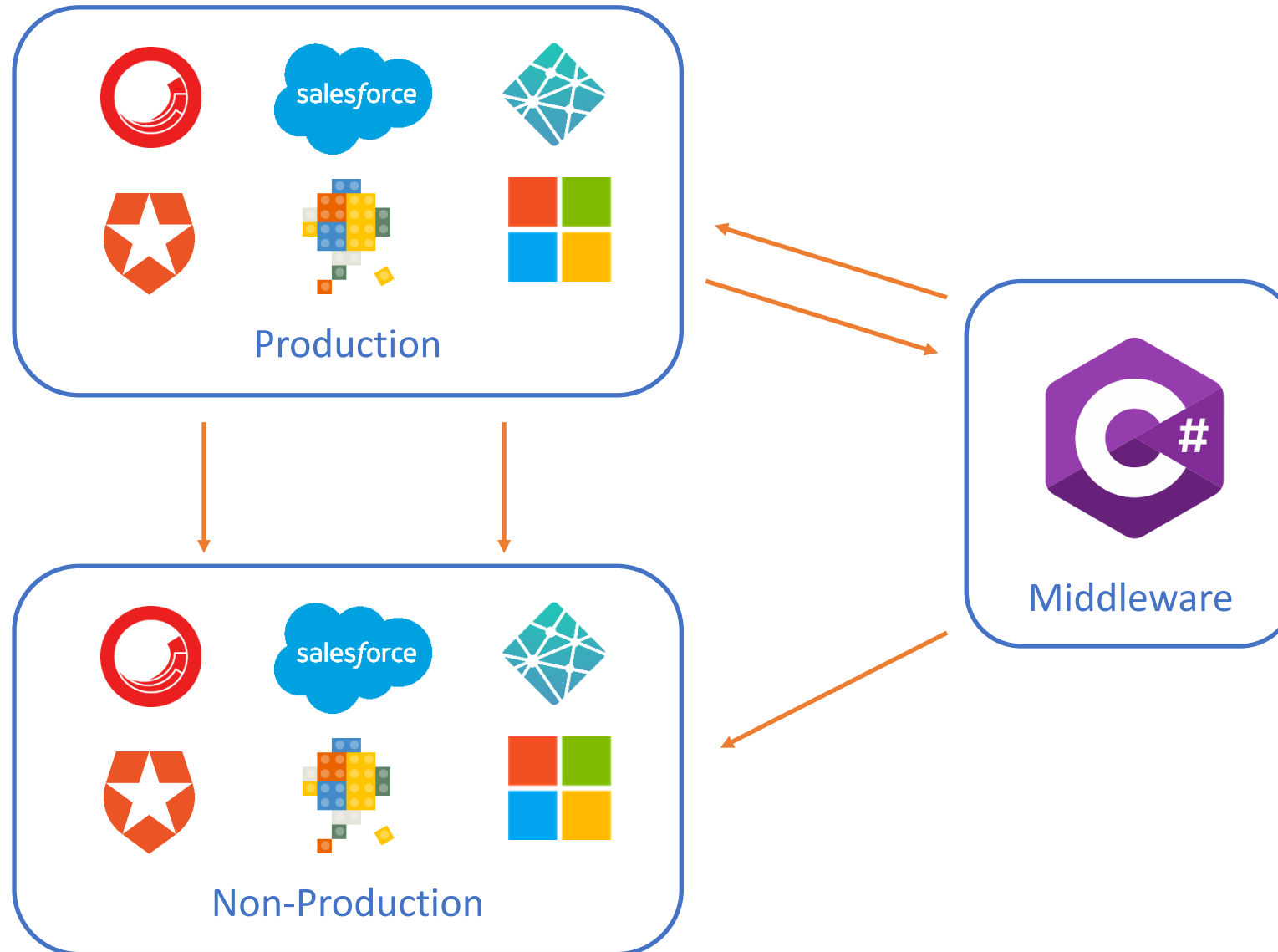# Environment Provisioning - Now

Data Synchronisation - Before

- Complete ownership of data layer

- Direct database access

- Import / export directly between database instances
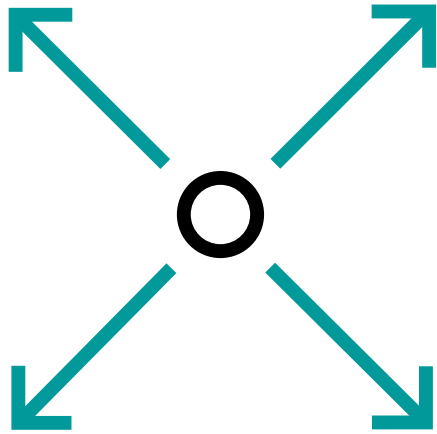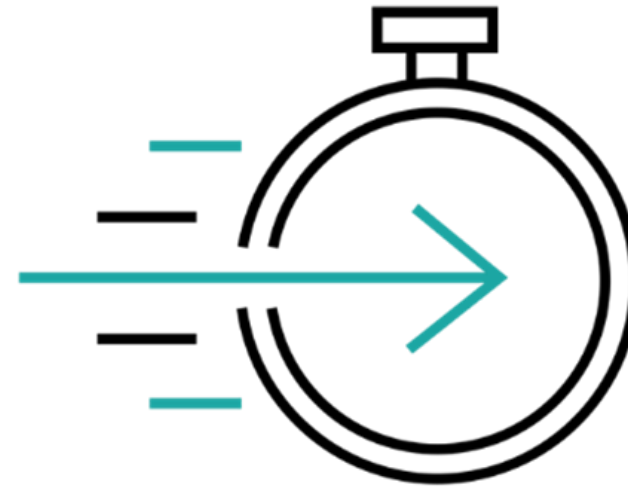
Data Synchronisation - Now

Giving up the delivery Layer

Giving up the delivery layer

Deployments

Performance

Deployments - Before

Web
Server

App
Server

DB

Router
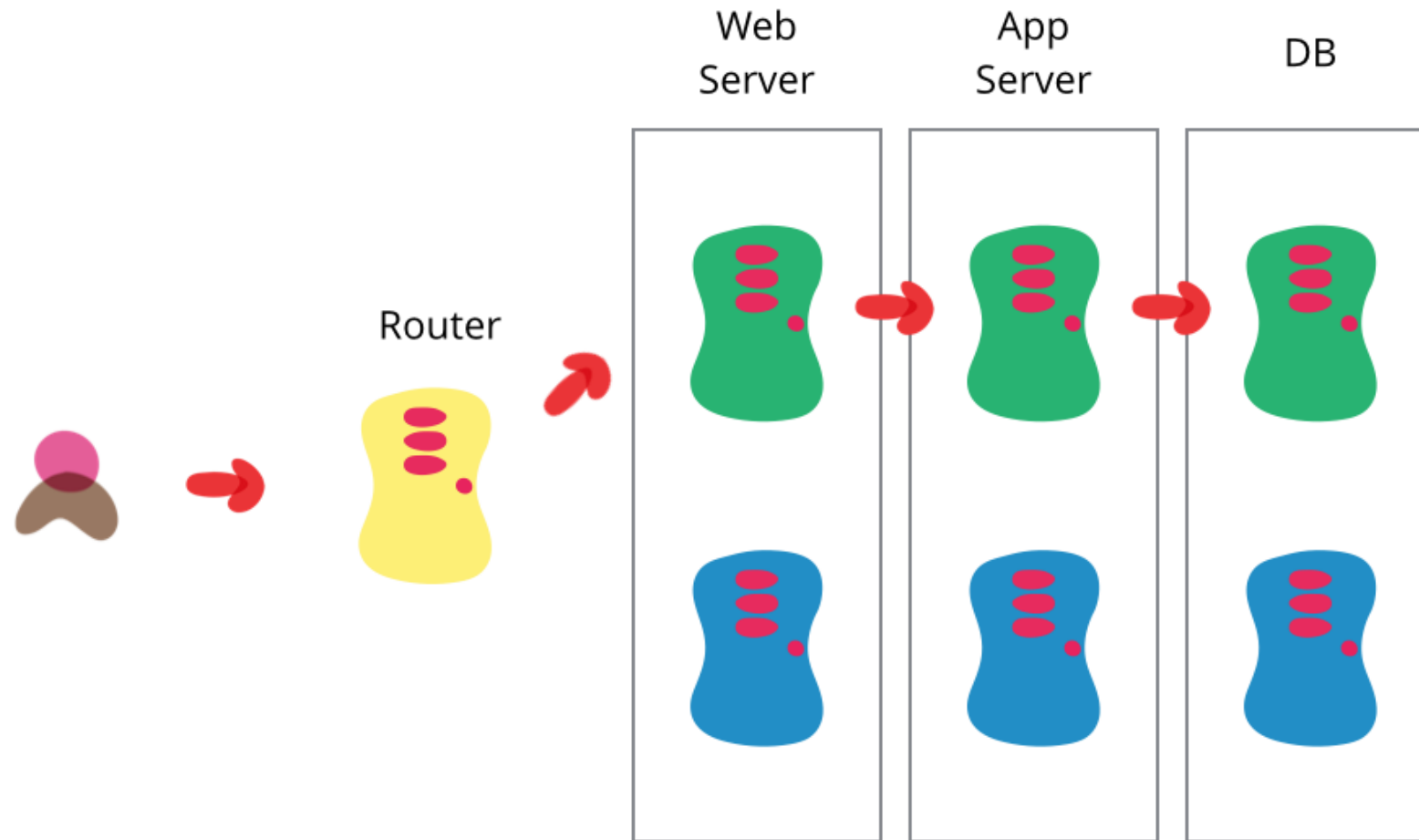
Image from https://martinfowler.com/

Deployments - Now

Web

Mobile

Vendors

Performance - Before
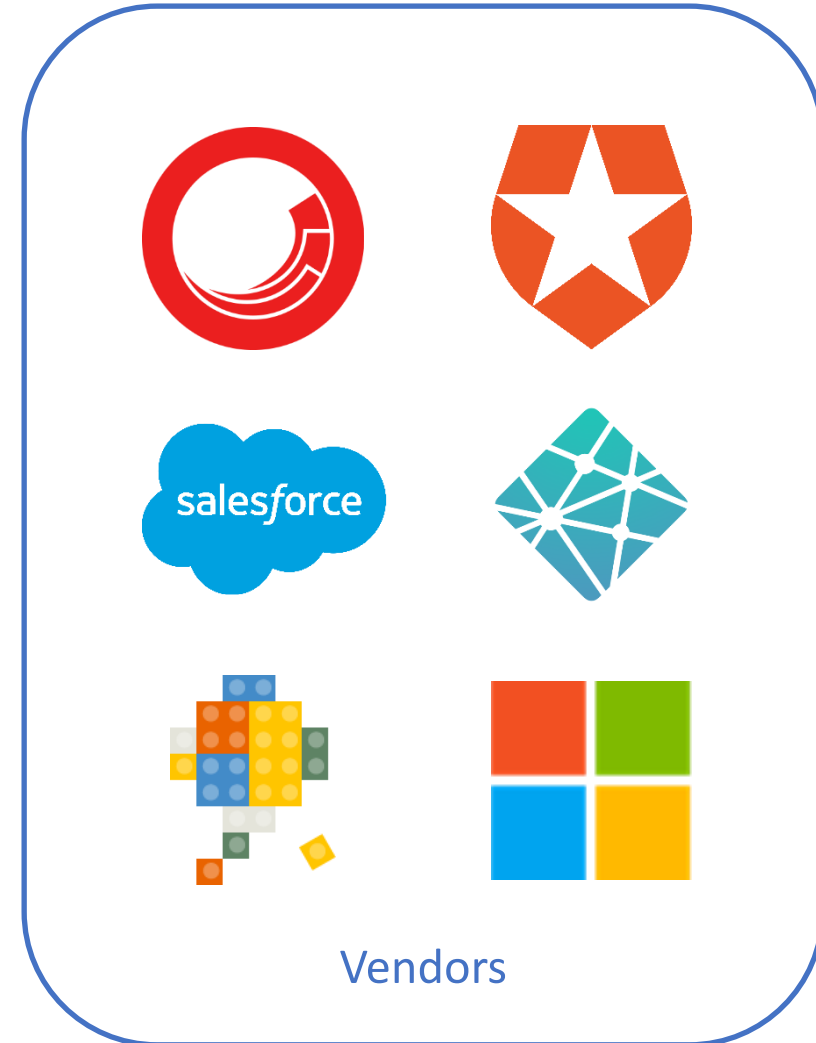
- Scaling API throughout

- Scaling database throughput

- Scaling indexes

- Ensuring Geo-redundancy

Load Balancer

Content Delivery

Content Delivery

Performance - Now

Performance - Now
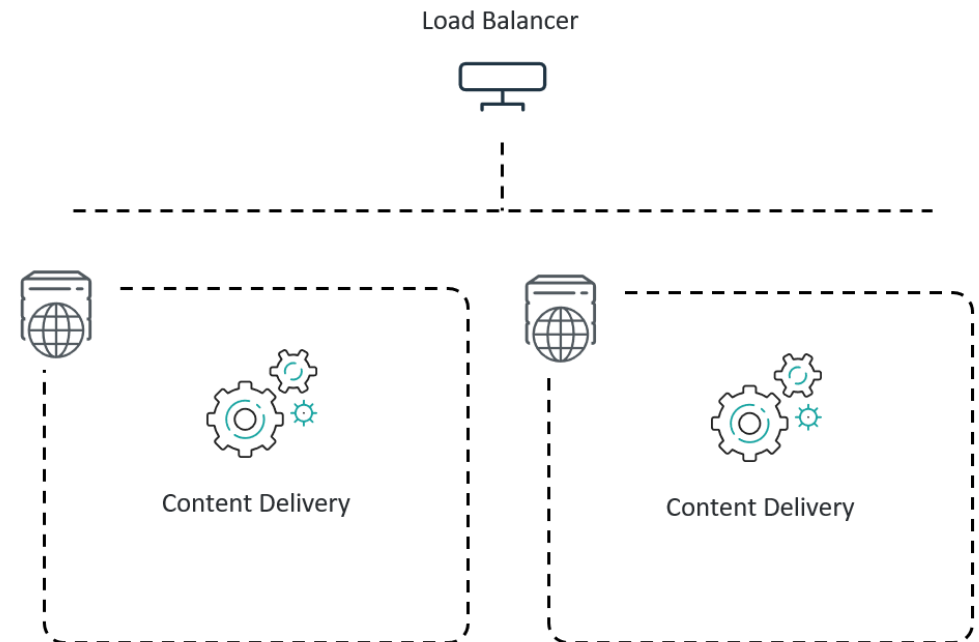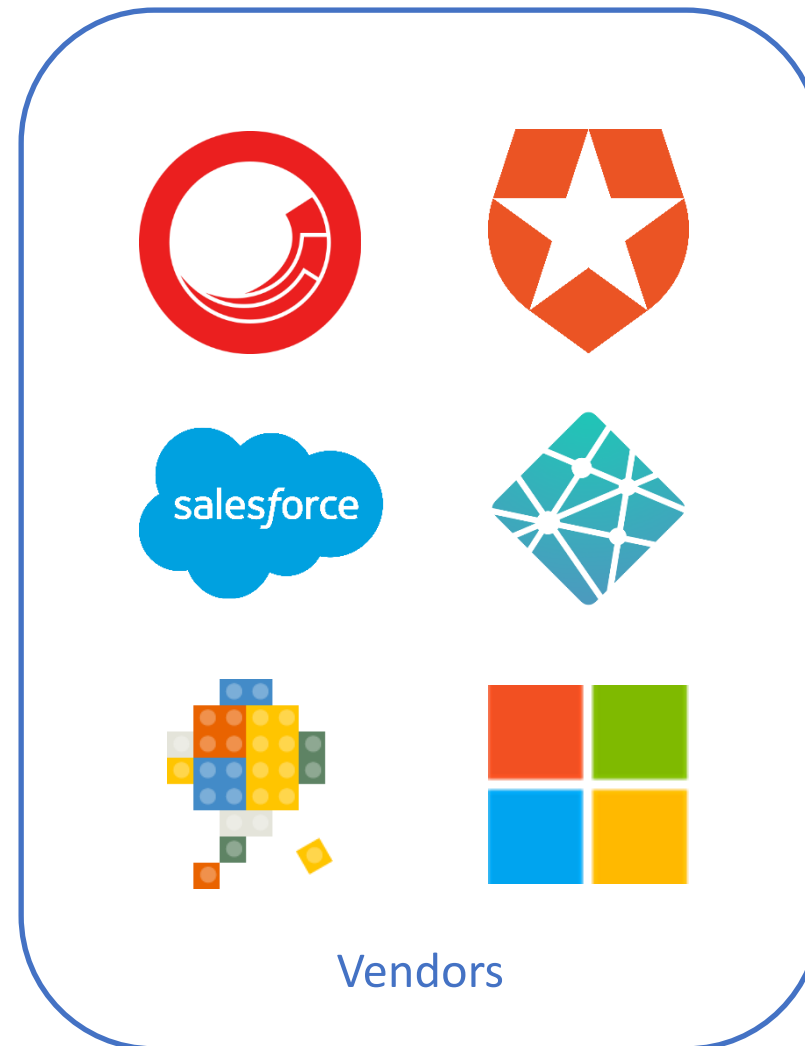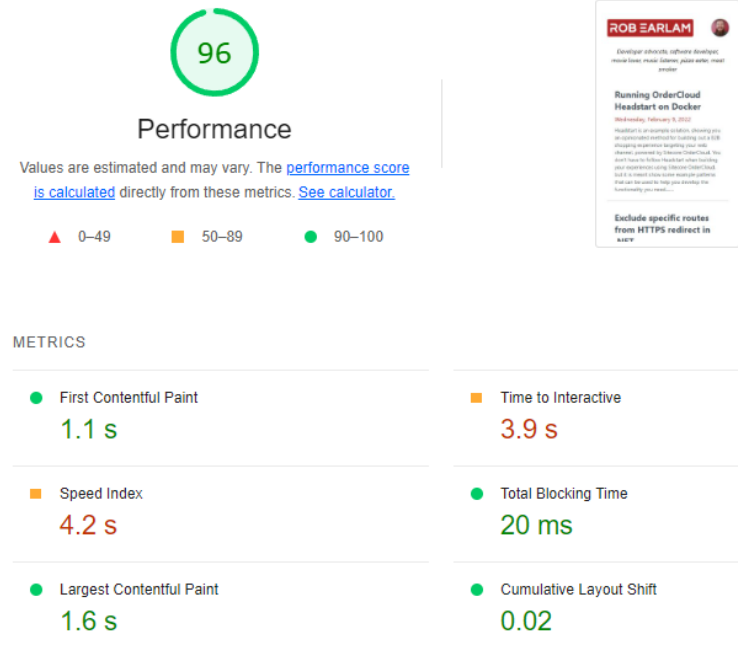
- Time to first byte

- First Contentful Paint

- Largest Contentful Paint

- Time to interactive

- etc

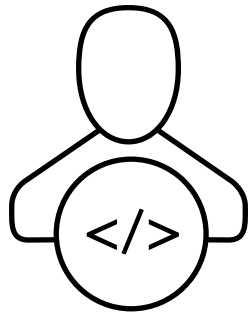# Shifting Responsibilities

Shifting Responsibilities

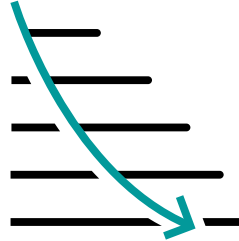Developers / Implementors
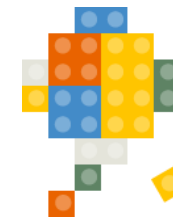
Vendors

Give it up for reliability
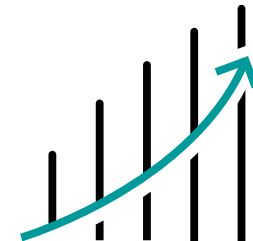
Service Level Agreements

Reduced Implementer Specialisation

Increased Vendor specialisation

Different Technologies
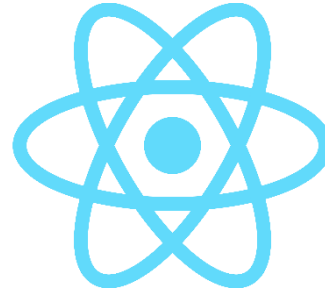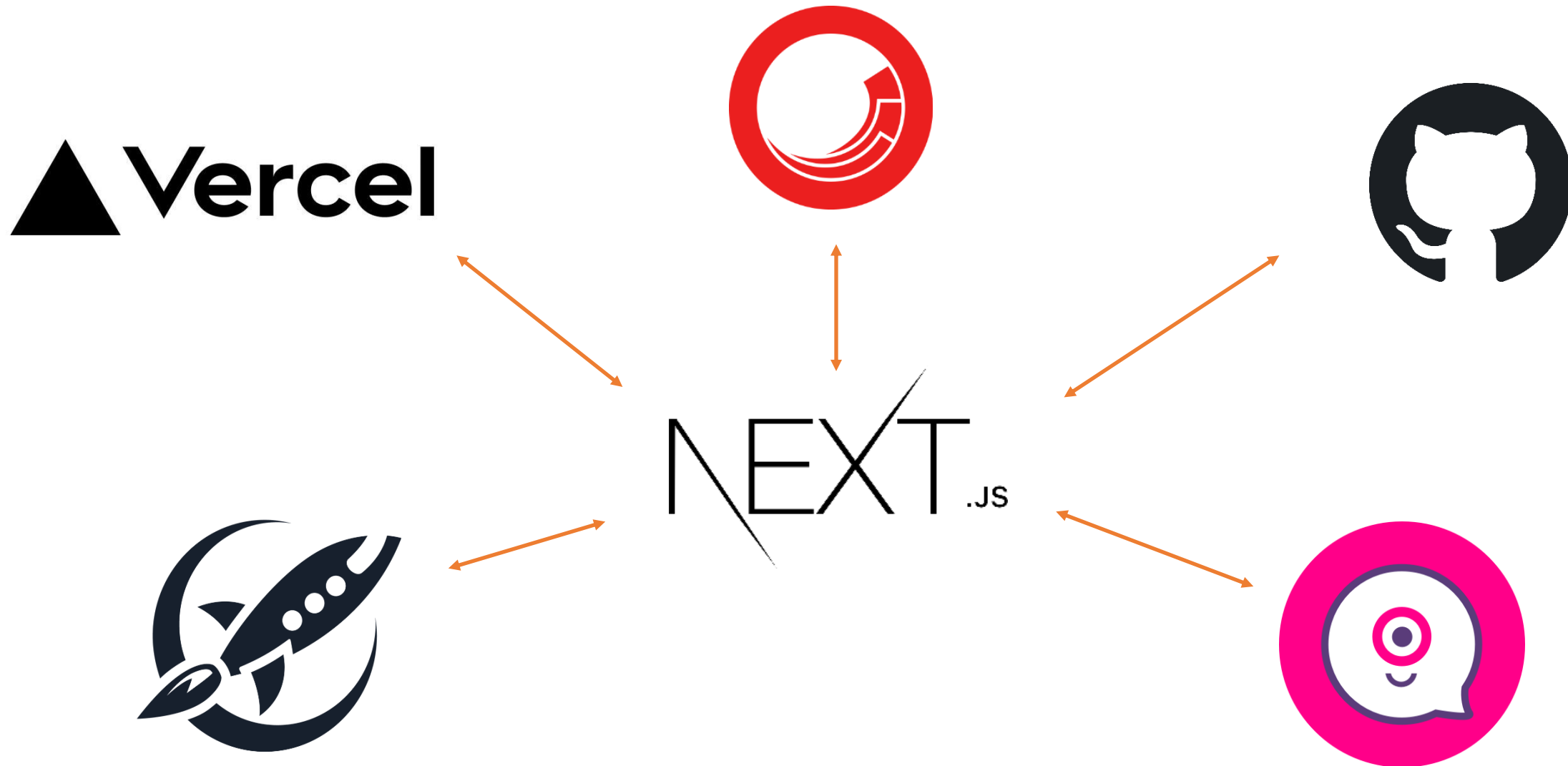
Which one to use?

An example composable deployment process

A modern deployment process

In conclusion

- Composable DXP reduces your DevOps footprint

- Your footprint is reduced by shifting responsibilities

- Reducing this footprint can increase reliability

- Reducing this footprint reduces your technology burden

Getting more for less = reliability at lightspeed!

Questions?

I am a proud community member!
Please contact me on the following handles:

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pentia

APPLE TECH
From A To Z

macaw
Challenge accepted.

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