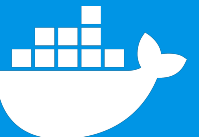


Welcome to the **Ottawa** edition of the 2018 Docker Global Event Series!

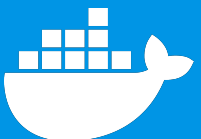
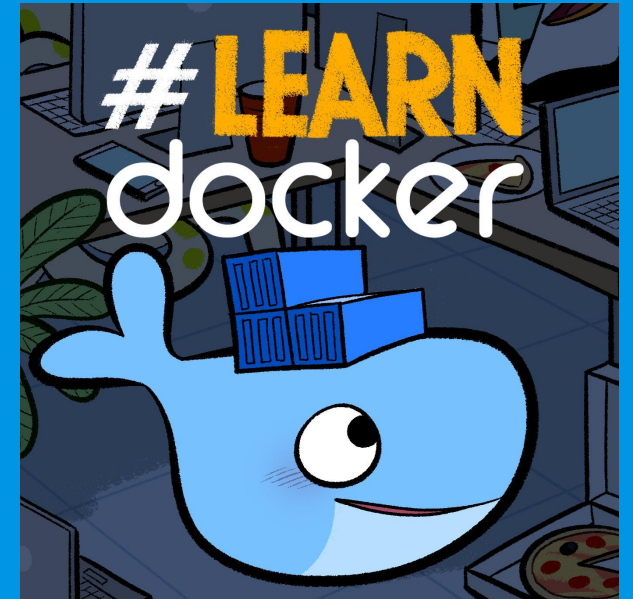


Tweet using #LearnDocker to share your experience!



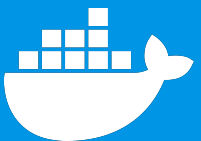
During this event you can....

- Enjoy a short intro presentation
- Work through hands-on labs individually, in pairs, in small groups or as one large group!
- Have access to a hosted lab environment provided by Docker
- Ask for help
- Have fun!



Intro to Modernizing .NET Apps

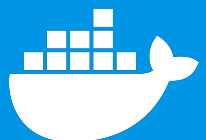
WITH DOCKER



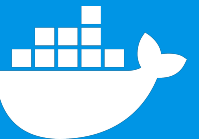
Modernizing .NET Apps with Docker

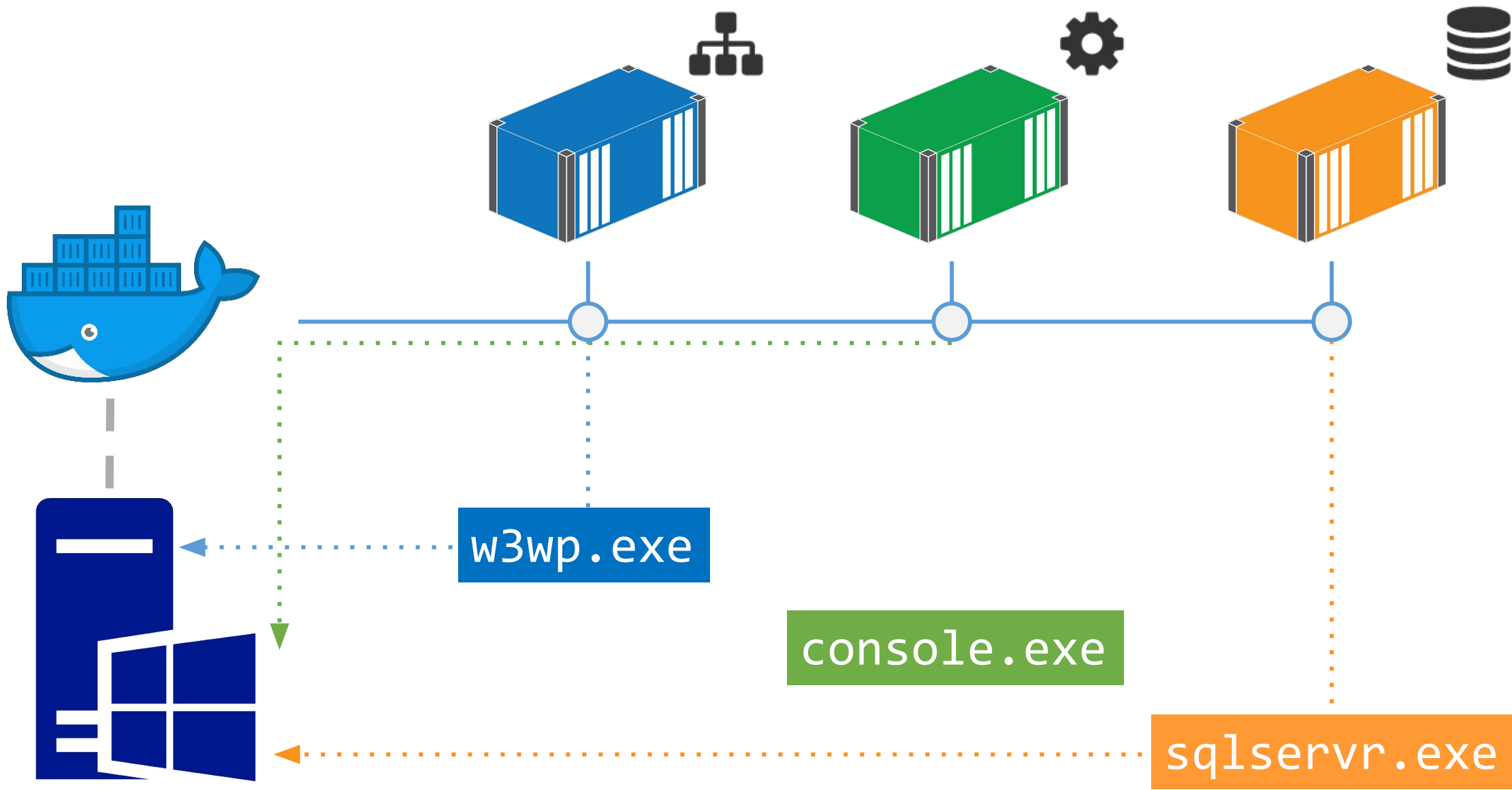
BREAKING DOWN THE MONOLITH

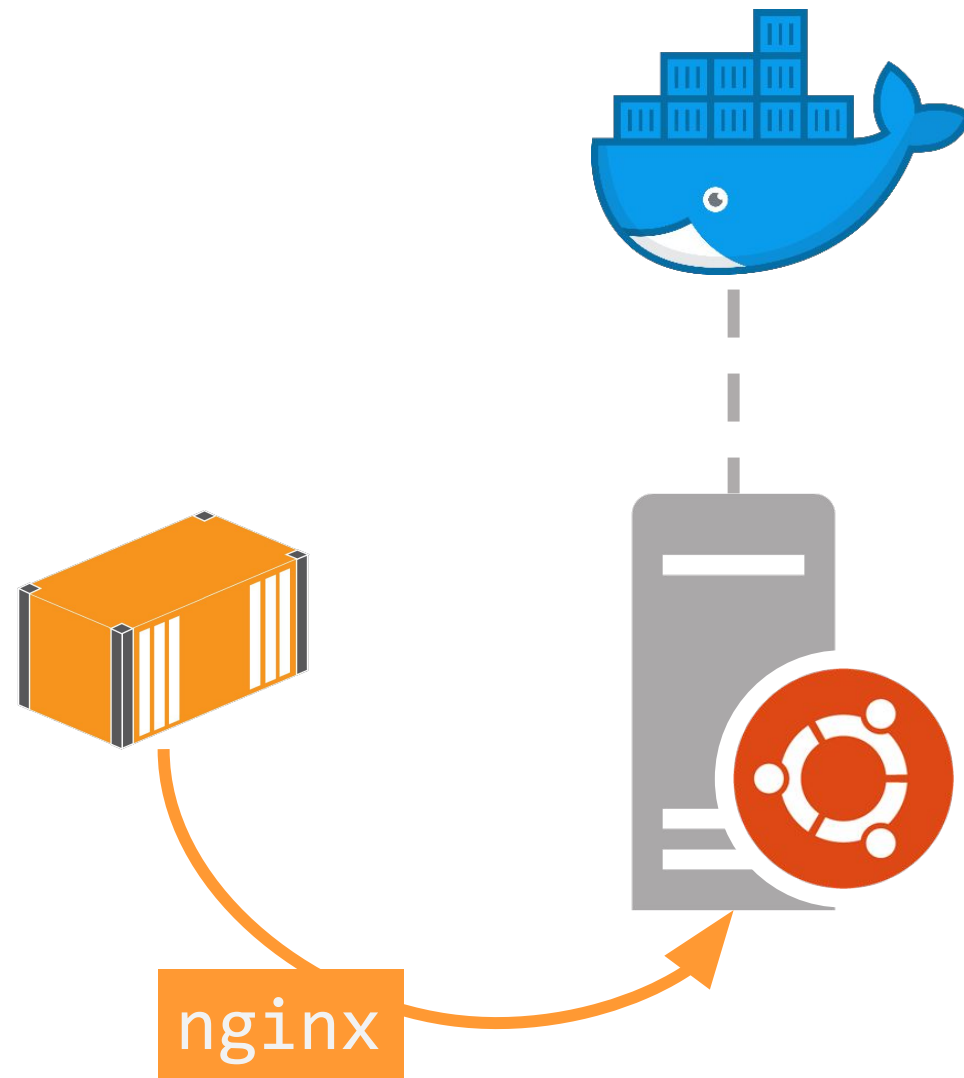
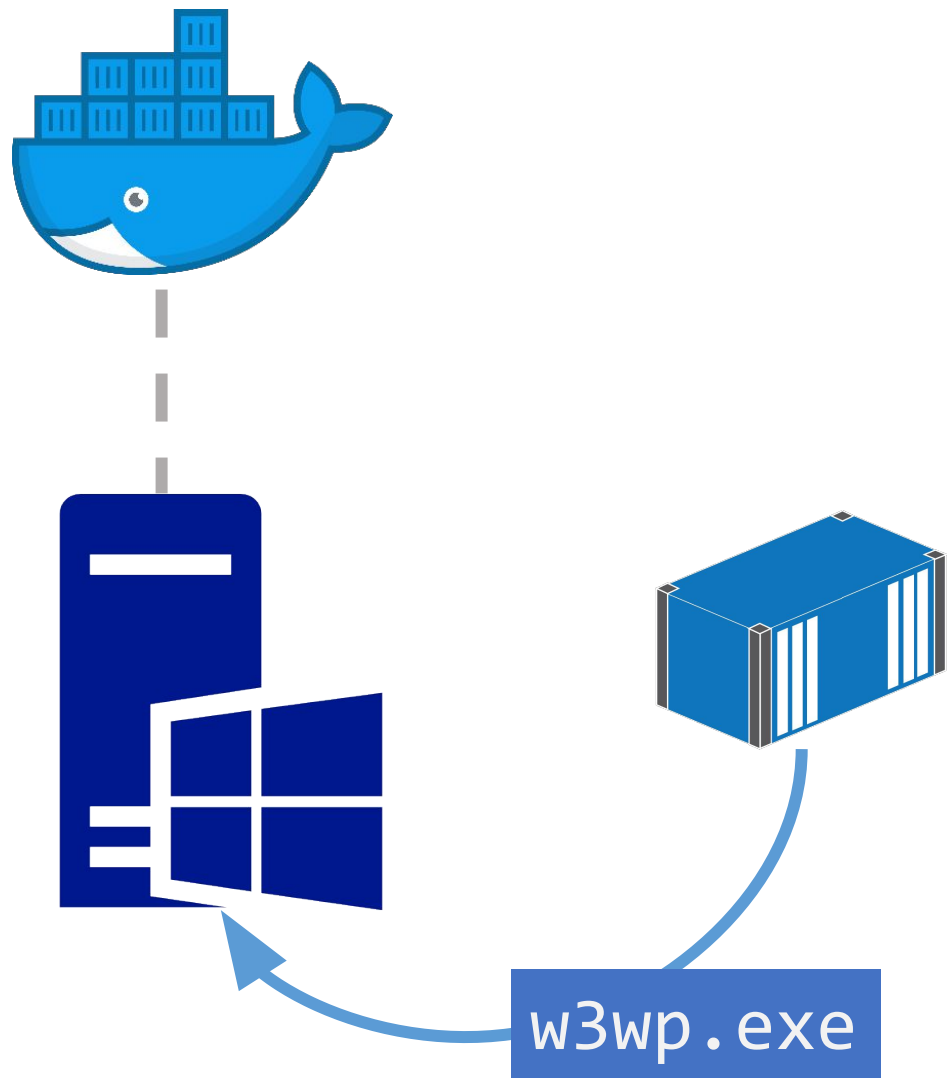
- Docker containers 101
- Running ASP.NET apps in Docker
- Fixing performance issues

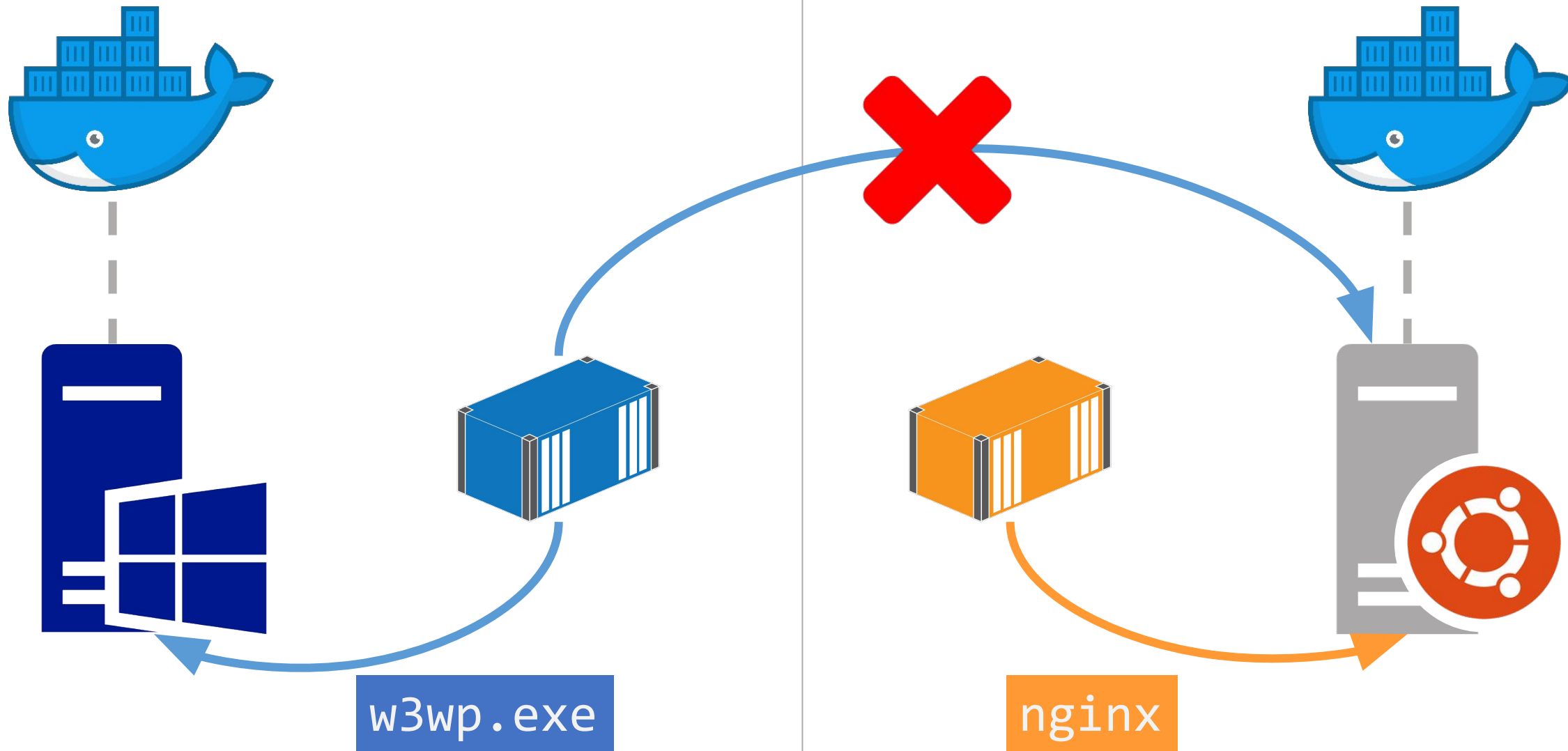


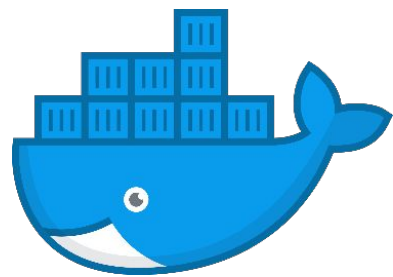
Docker 101



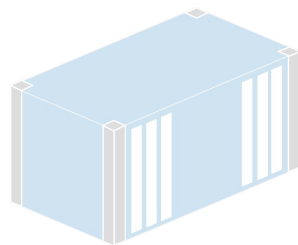






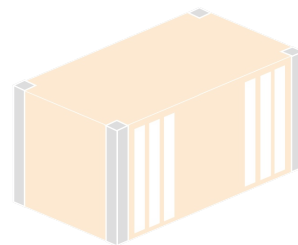
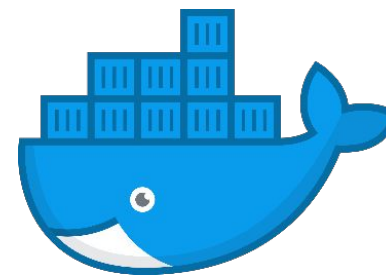


w3wp.exe



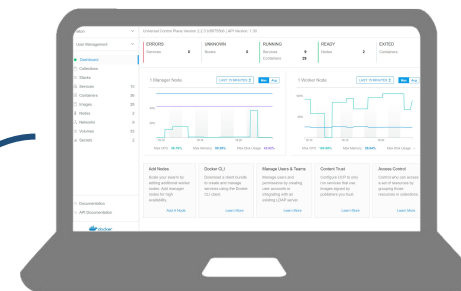
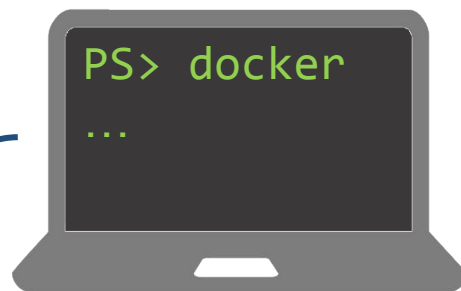
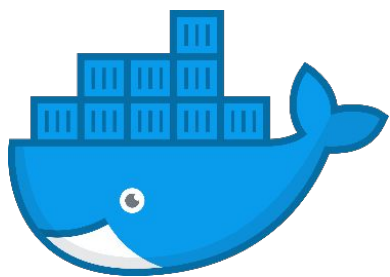
PS C:>

:~\$



nginx

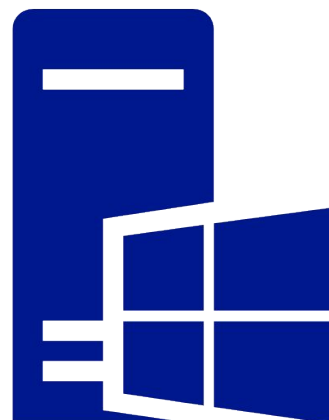




Manager



Worker

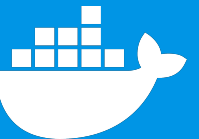


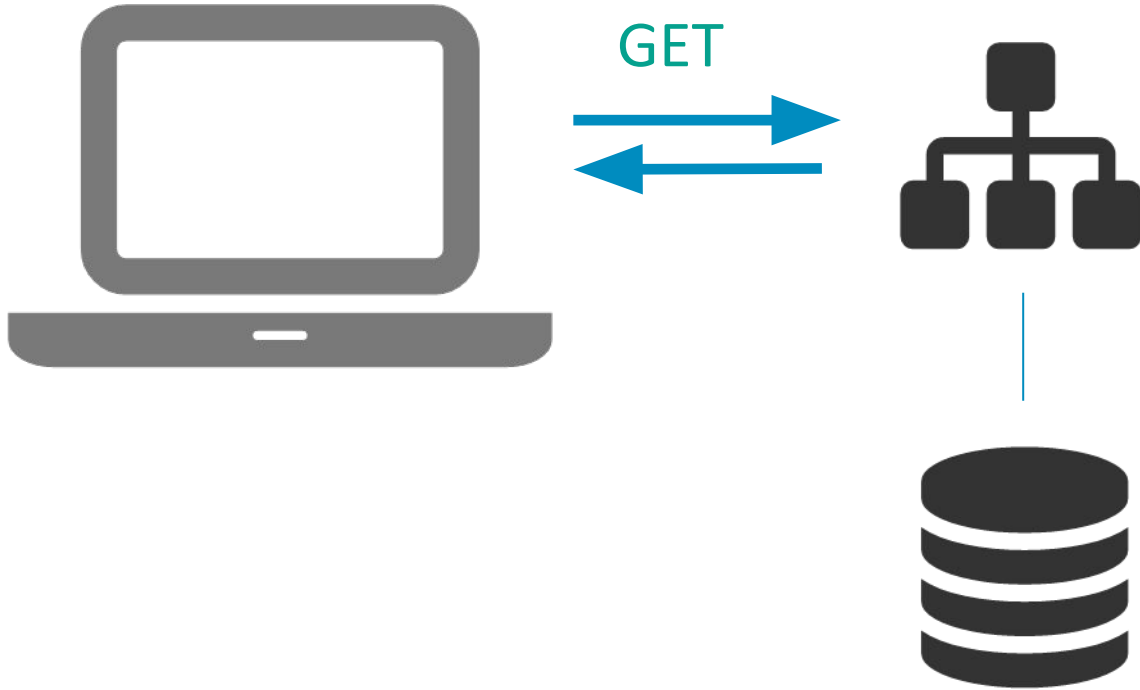
Worker



Worker

Modernizing .NET Apps

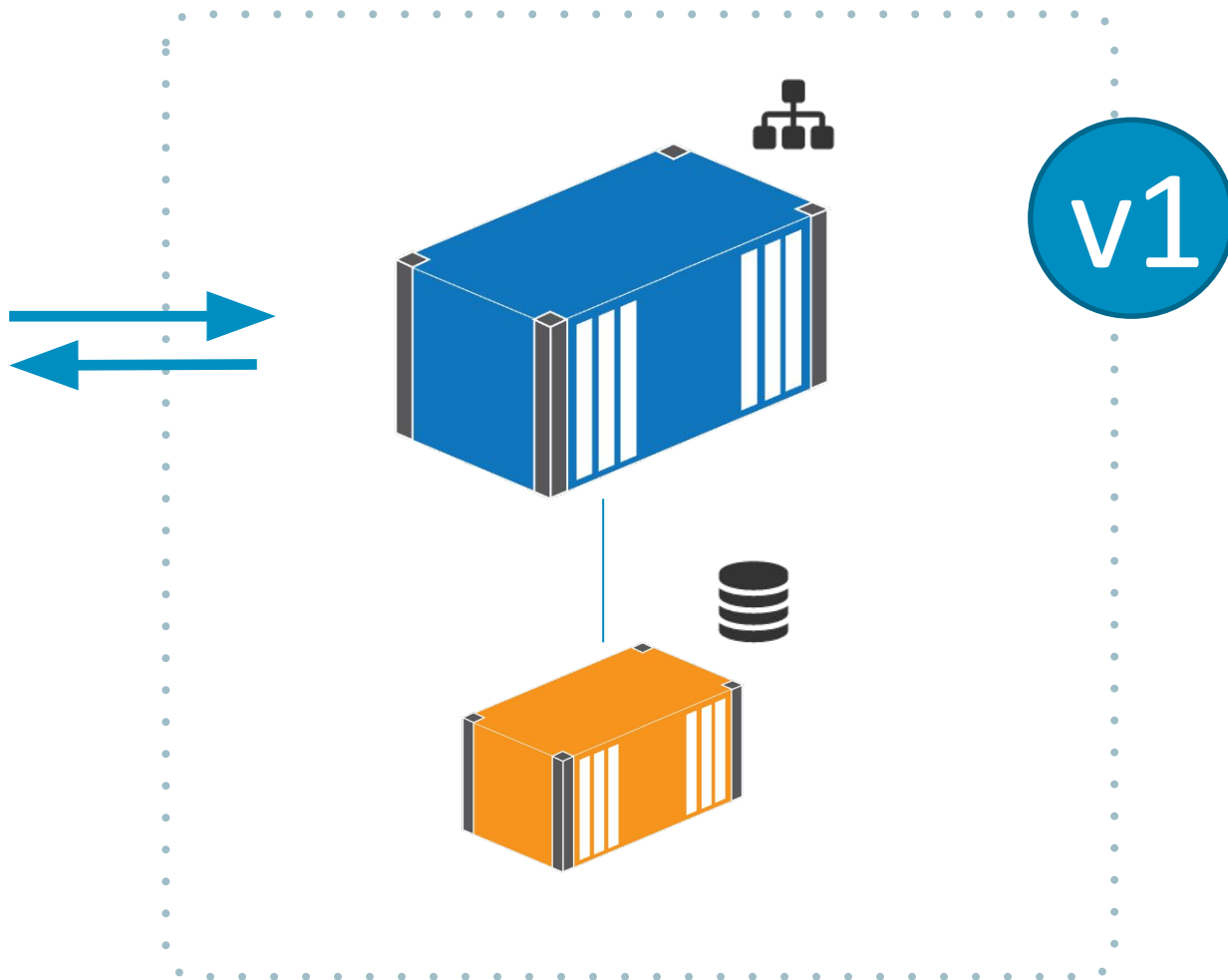




Pre-reqs

| | |
|--------------------|-----------------|
| <i>App runtime</i> | .NET Framework |
| <i>Toolchain</i> | MSBuild & NuGet |
| <i>App host</i> | IIS |
| <i>Database</i> | SQL Server |



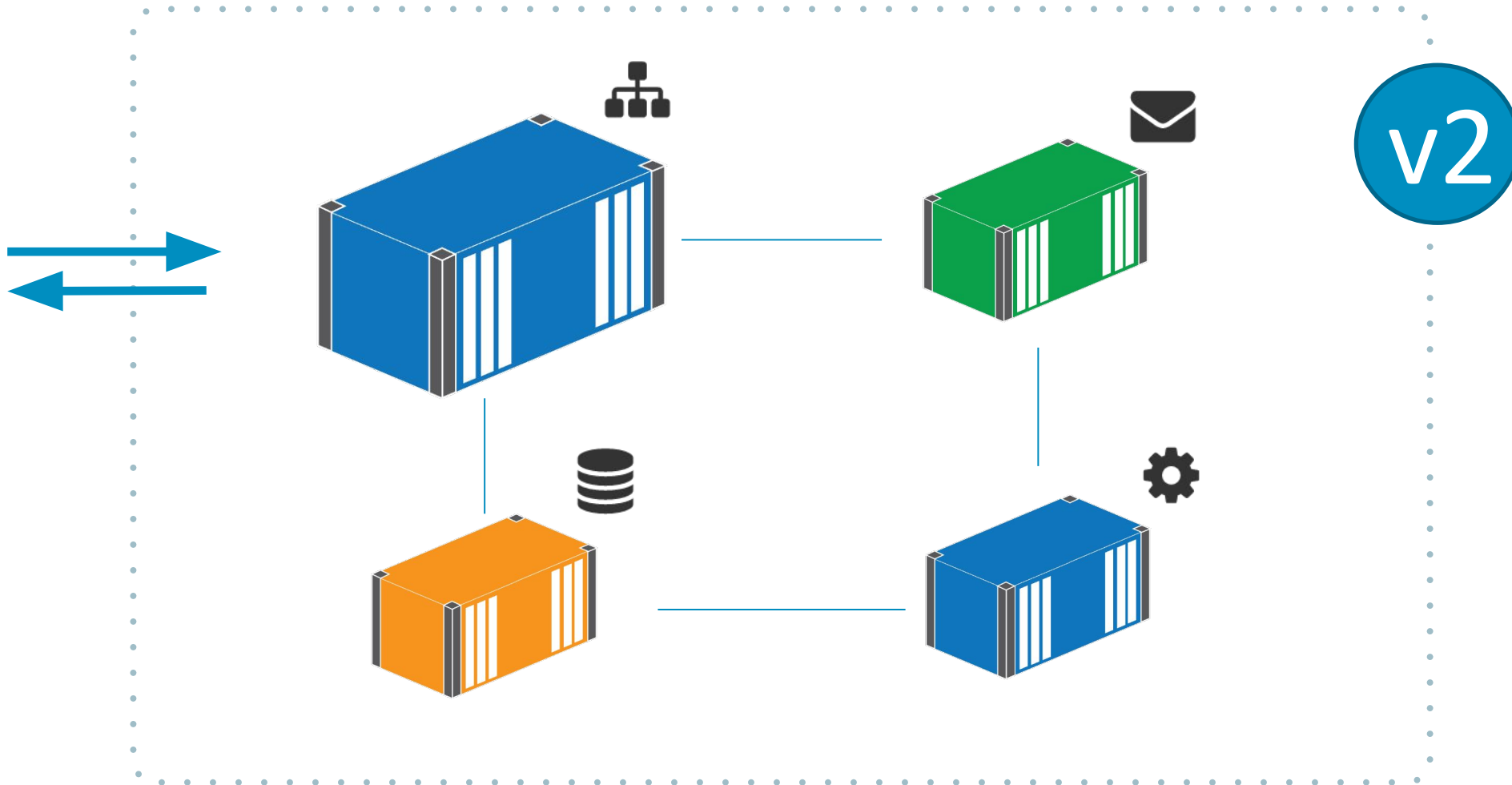


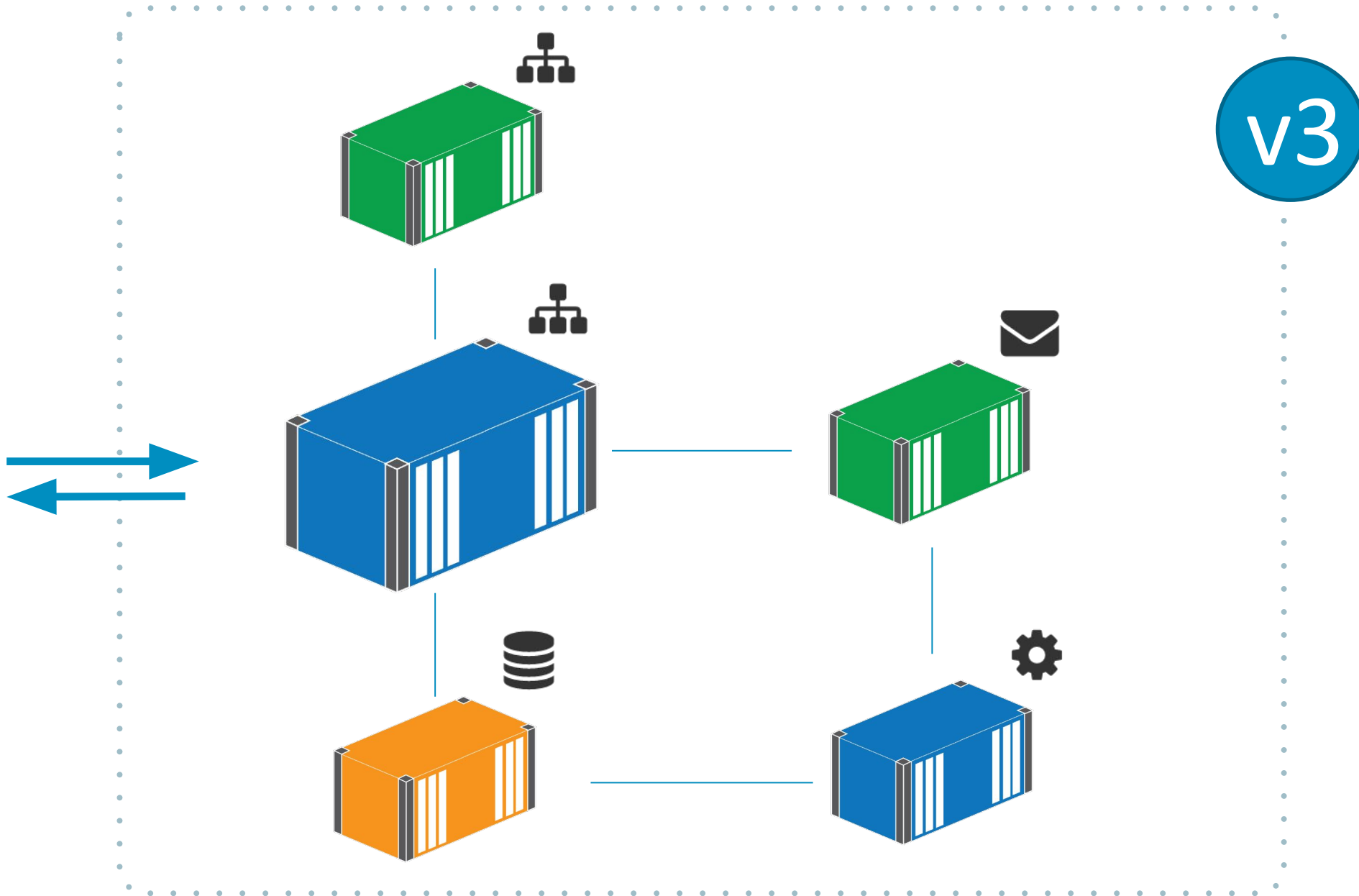
Pre-reqs

*

Docker



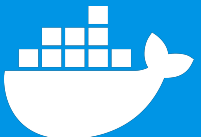


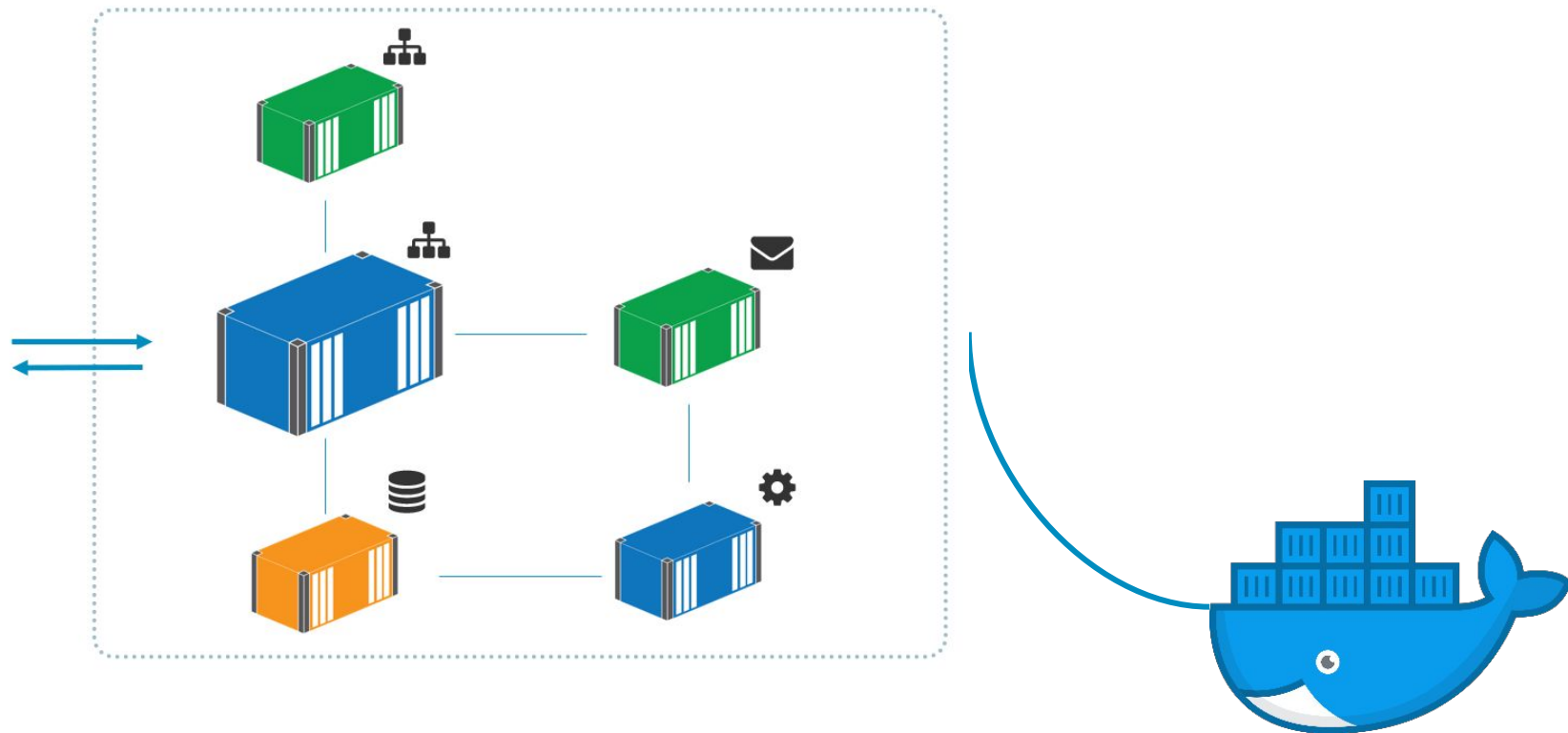


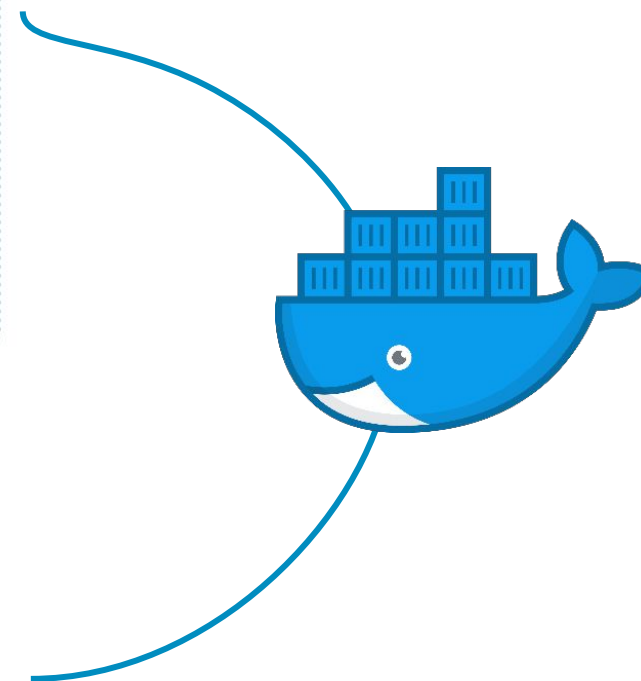
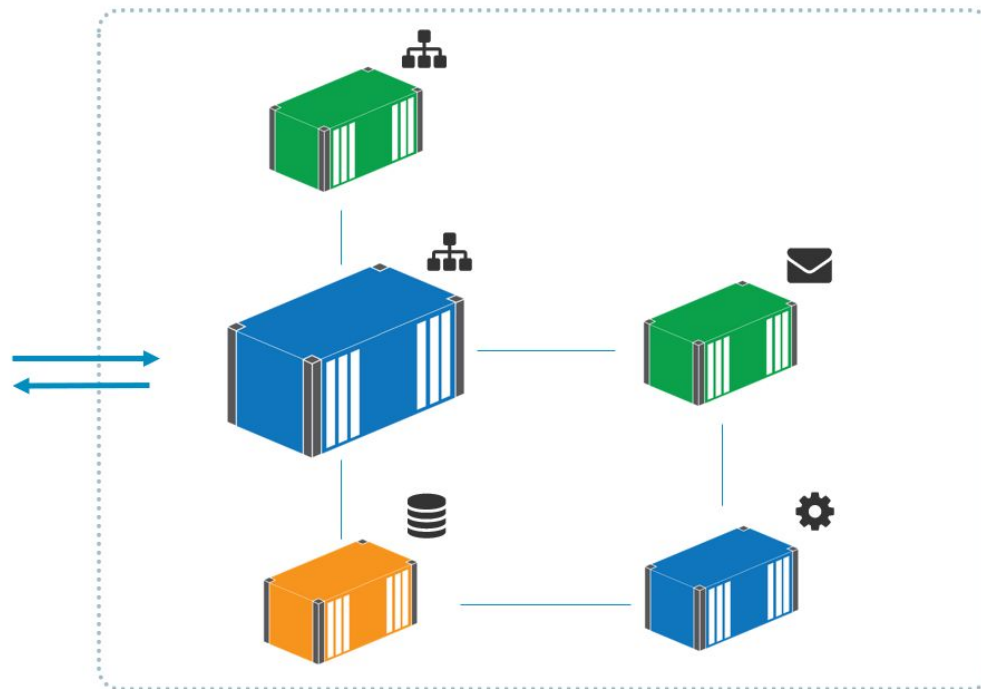
Monolith Decomposition

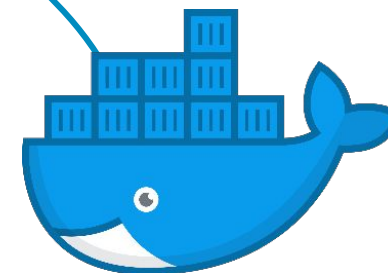
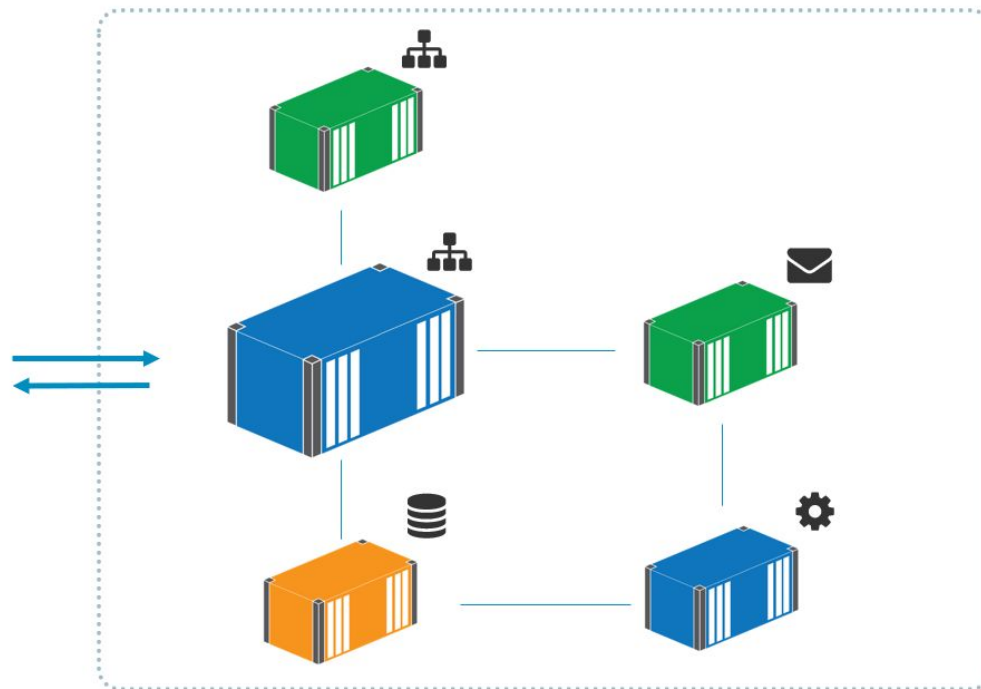
THE FEATURE-DRIVEN APPROACH

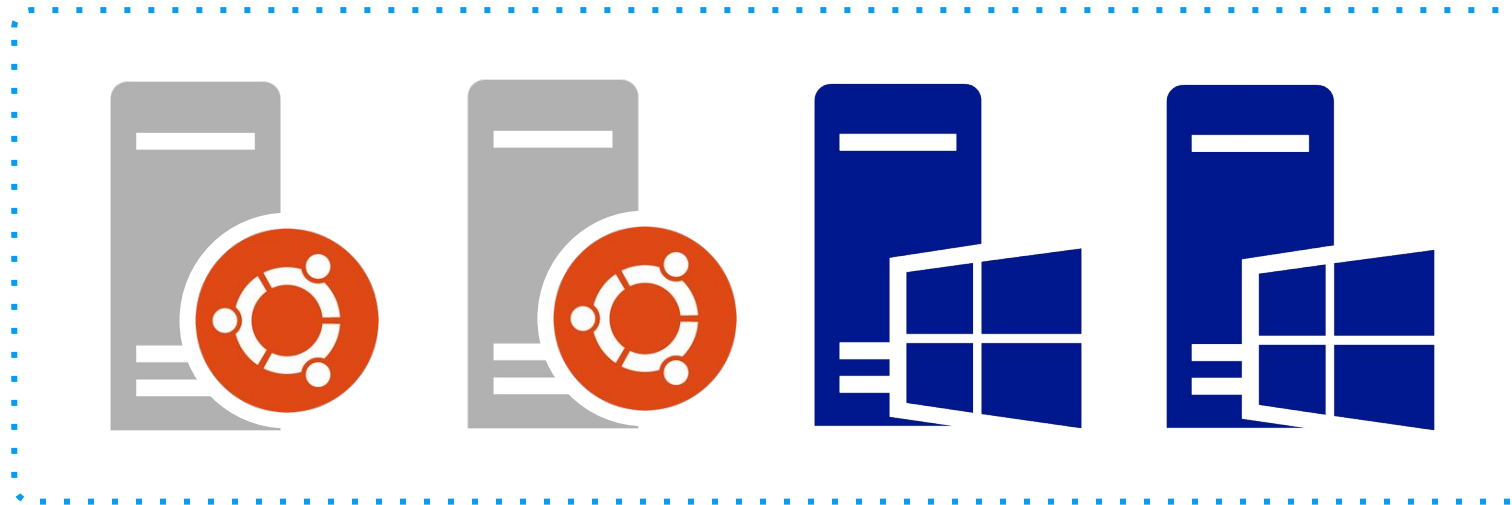
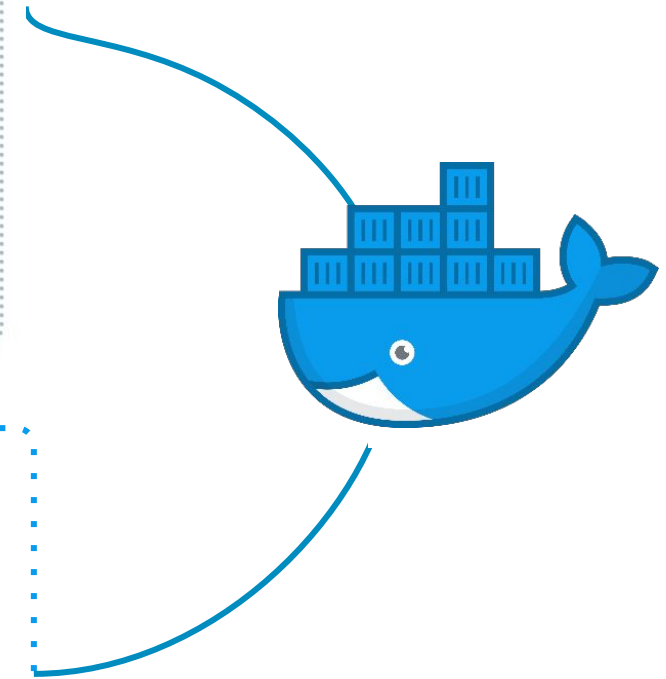
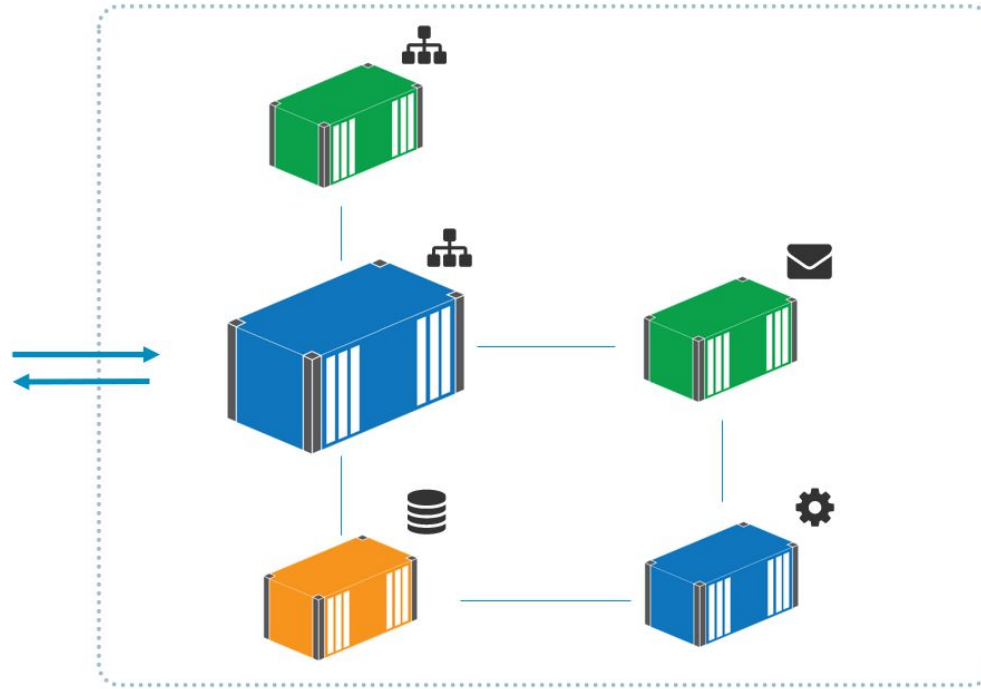
- | | | |
|---------------------|--|----------------------|
| • Change frequently | | Release at will |
| • Change rarely | | Minimize regressions |
| • Have issues | | Fix with confidence |
| • Promote re-use | | APIs & event-driven |











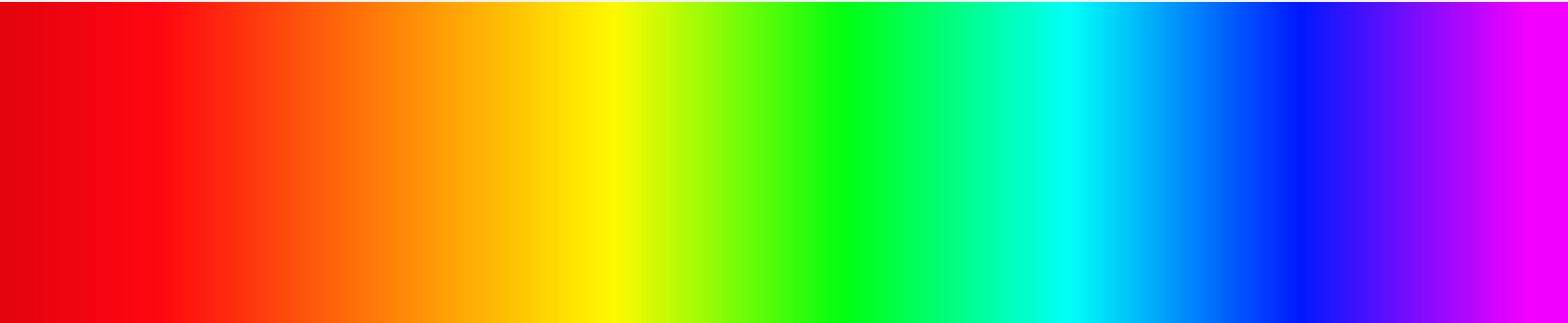
Migrate
as-is

Adopt
platform idioms

Adapt
to new runtime

Extract
key features

Rebuild
and renew



- Binaries
- Setup
- Artifacts

- Configuration
- Monitoring
- Logging

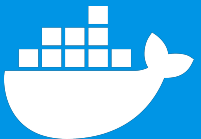
- Fault-tolerance
- Scaling
- Statelessness

- Performance
- Functionality
- Fast updates

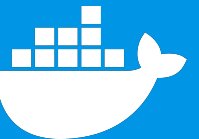
- Architecture
- Tech stack
- Paradigms

Intro to Modernizing .NET Apps

WITH DOCKER

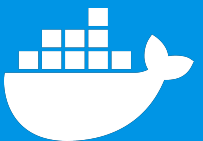


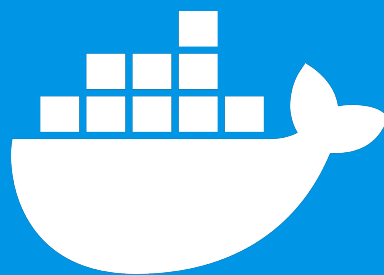
Let's Get Started!



Further learning after this event:

- Workshop | <https://dwwx.space>
- Whitepaper | <https://dockr.ly/idc>
- MTA for .NET devs | dockr.ly/mta-dev
- Pluralsight | Modernizing .NET Apps w/ Docker





THANK YOU :)