Build and Deployment Changes

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Overview

Default executables

Single-file executables

Build improvements

Local tools

Even more improvements

Demo

Default executables

Single-file executables

"Publish-trimmed"

ReadyToRun Images

Demo

Local tools

There are still <u>more</u> improvements!

Windows installer is more efficient

- .NET Core 3.0.10<u>2</u> will *replace* version 3.0.10<u>1</u>

- .NET Core 3.0.<u>2</u>01 will install side-by-side with 3.0.<u>1</u>02

"What version is this??"

Environment.Version:

4.0.30319.4200

.NET Core 2.x

Environment.Version:

3.0.0

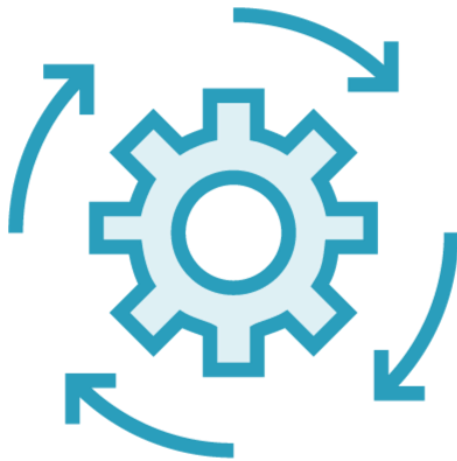.NET Core 3.0

Tiered Compilation: Enabled by Default

Provides faster startup and improved runtime performance

Enabled by default on .NET Core 3.0!

Major Version "Roll Forward"

You decide how your application will choose a runtime

LatestPatch - Roll forward to the highest patch version. This disables minor version roll forward.

Minor - Roll forward to the lowest higher minor version, if requested minor version is missing.

Major - Roll forward to lowest higher major version, and lowest minor version, if requested major version is missing.

LatestMinor - Roll forward to highest minor version, even if requested minor version is present.

LatestMajor - Roll forward to highest major and highest minor version, even if requested major is present.

Disable - Don't roll forward. Only bind to specified version.

Summary

Build improvements

- Default executables
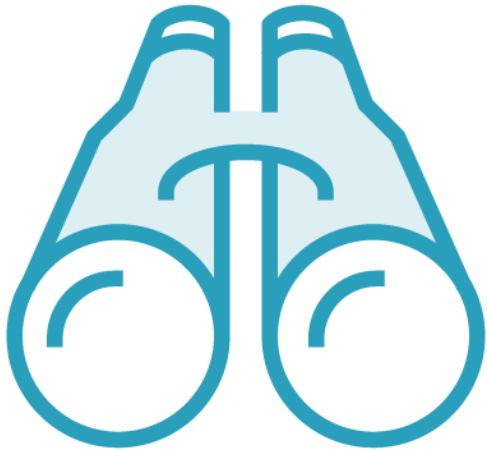
- Single-file executables

- Trimming

- ReadyToRun

Local Tools

Lots more!

- .NET Core Installer

- Version APIs actually work!

- Tiered compilation: on by default

- Major-version roll forward

Up Next

(More) **C# Language Improvements**