

# Building Your Own Extension Method Library

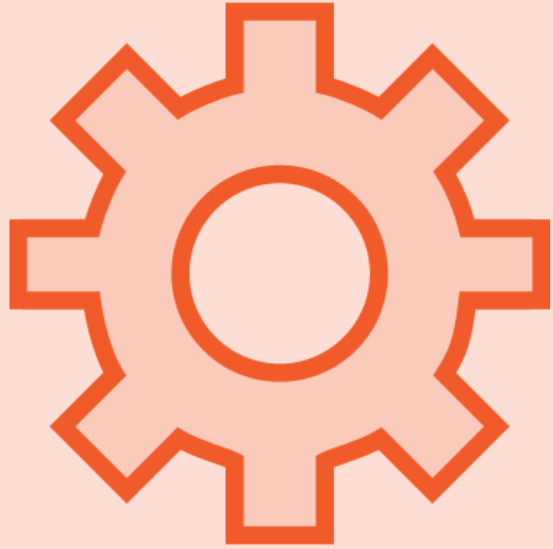
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**Elton Stoneman**

ARCHITECT

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Extensions.System

Extensions.Diagnostics

Extensions.Configuration

Extensions.AspNetCore



To-Do List

Source Code

Home

New Item

To-do list

Diagnostics

# TODO List

There is much still to do.

But there's always room to [add more](#).

Item	Date Added
Pluralsight Extensions Module	38 minutes ago
Docker In A Month Of Lunches Book	38 minutes ago

User Experience

Formatting & readability

New features

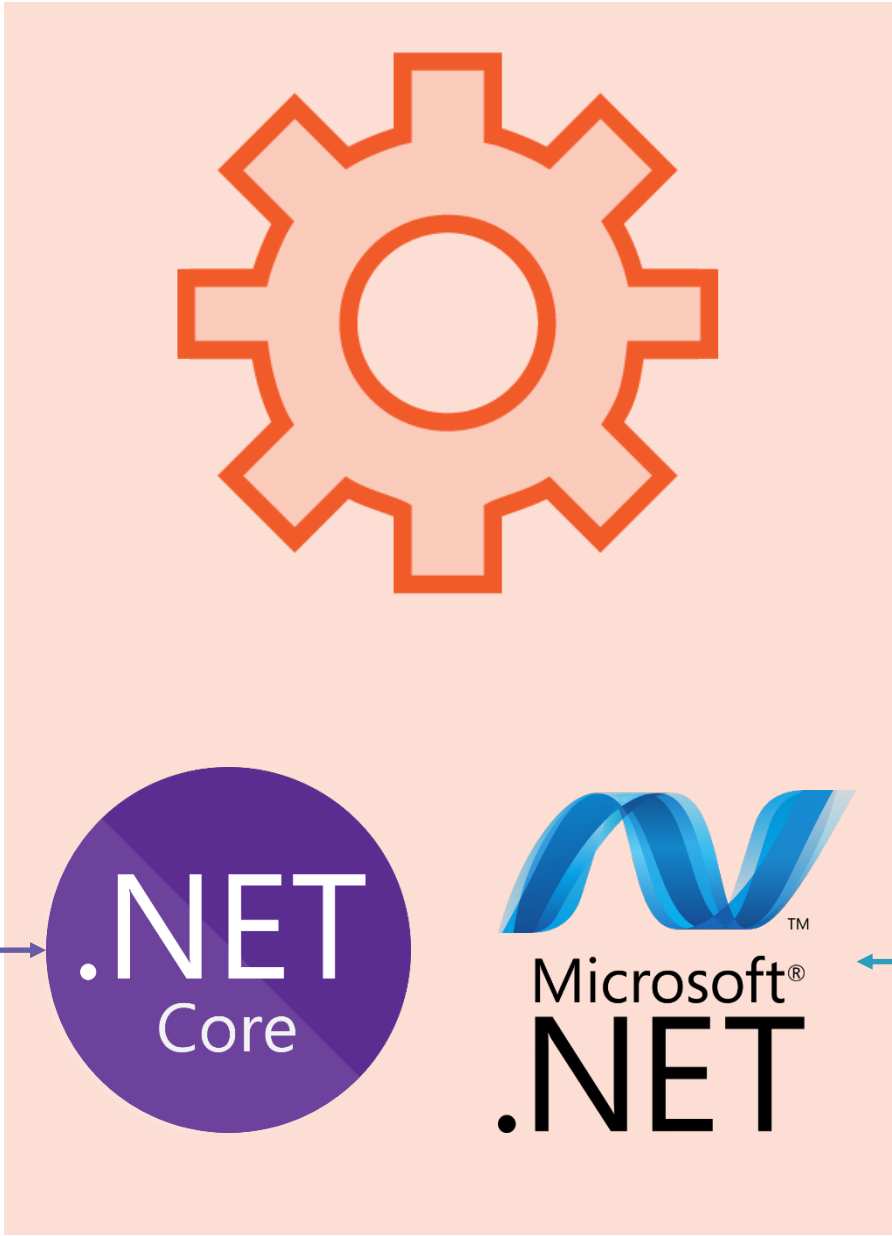
System API

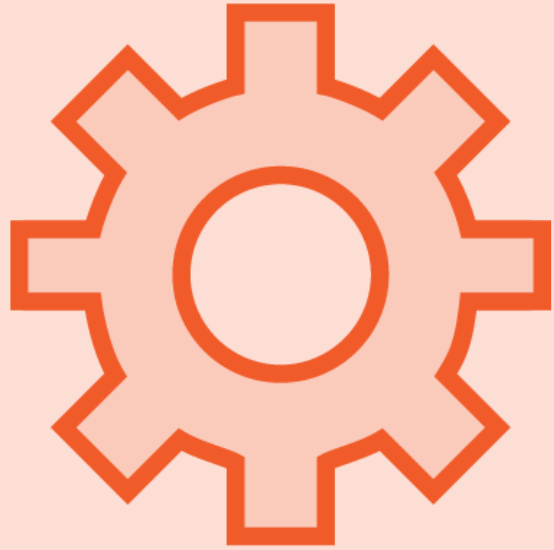
Non-functional requirments

Security & diagnostics

Production readiness

Configuration & metrics



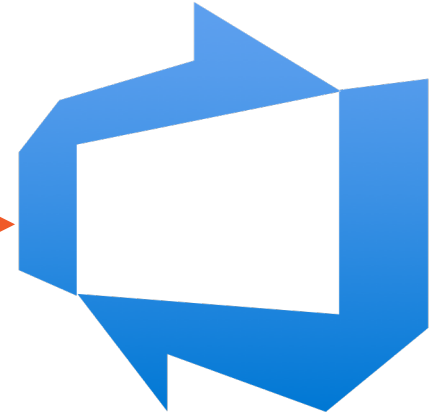
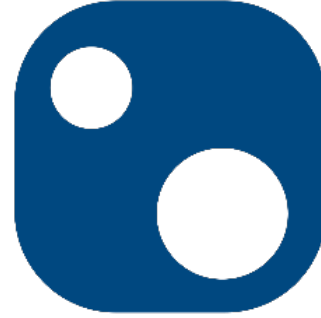


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# Demo



## Extension methods for User Experience

- Fixing UX issues with extensions
- Using 3<sup>rd</sup>-party packages
- Wrapping extensions in your library

# Demo



## Extensions for new features

- Adding an API
- Providing app data in CSV
- Extensions to format the data

# Demo



## Extensions for non-functional requirements

- Standard methods
- Implementing best practices
- Security and diagnostics



# Demo



## Extensions for production readiness

- Key features for going live
- Reading config from the runtime
- Exporting application metrics

# Demo



## Publishing the extension method library

- Packaging and publishing with NuGet
- Generating documentation
- Publishing the documentation

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```
string.ToTitleCase()
```

```
date.ToFriendlyString()
```

```
items.ToCsv()
```

```
services.AddDiagnostics()
```

```
app.UseStandardHeaders()
```

```
config.UseStandardProviders()
```

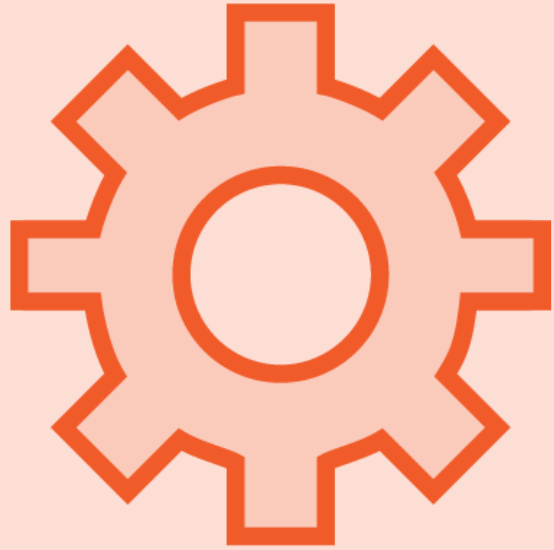
```
app.UseMetrics()
```

◀ Wrapping Humanizer

◀ Wrapping MoreLinq

◀ Implementing standards

◀ Preparing for production

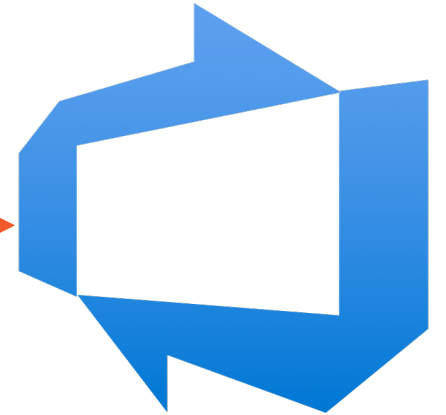
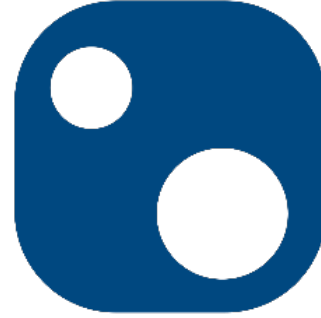


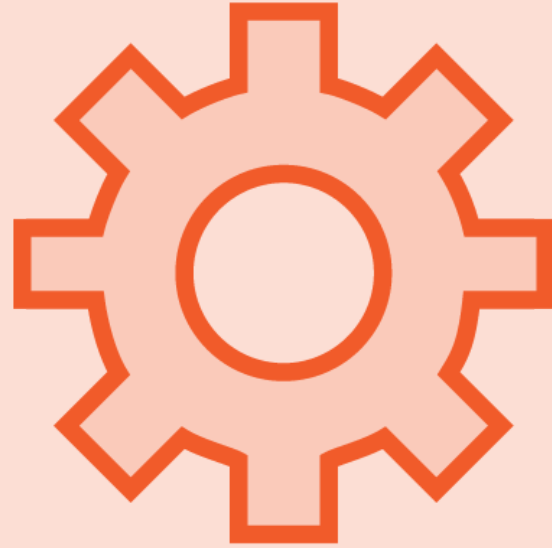
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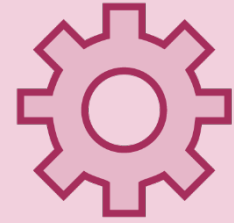


Extensions.System

Extensions.Diagnostics

Extensions.Configuration

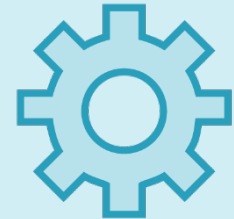
Extensions.AspNetCore



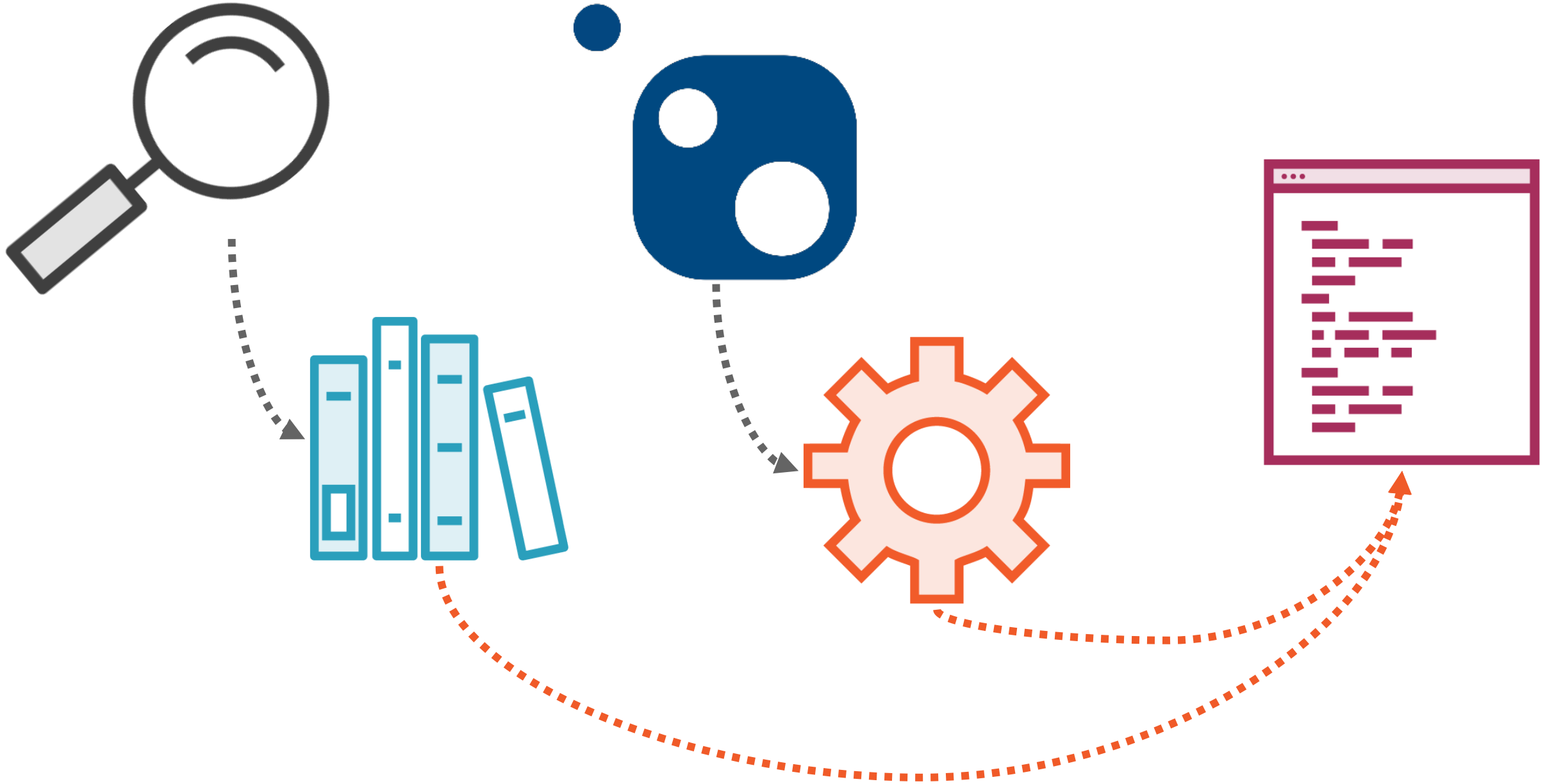
MoreLinq

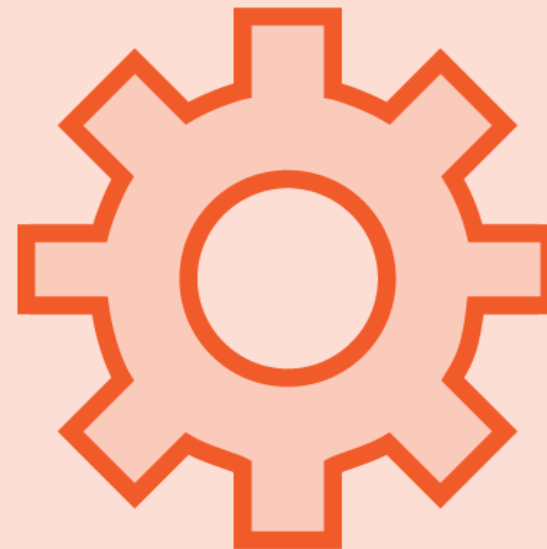


Humanizer



NetEscapades





Extensions.System

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# We're Done!



## So...

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