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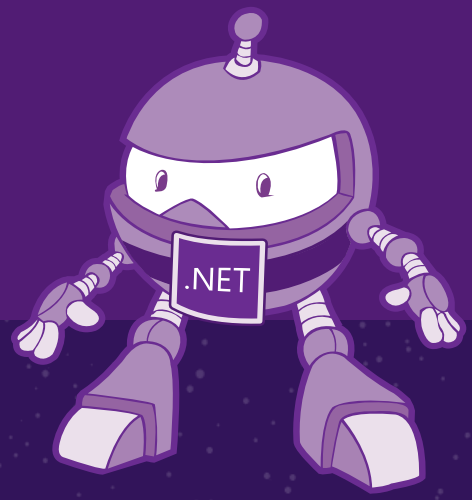
Death to the CMS: Updateable Static Sites for .NET Developers

Jonathan "J." Tower



Hi, I'm J.

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github.com/jonathantower/death-cms-dotnetconf

What We'll Talk About

- What is a Static Site Generator?
- Why use Static Sites?
- Popular Static Site Generators
- DEMO: Wyam CLI
- DEMO: Static Sites, CI/CD, and Azure DevOps
- Further Investigations
- Q&A

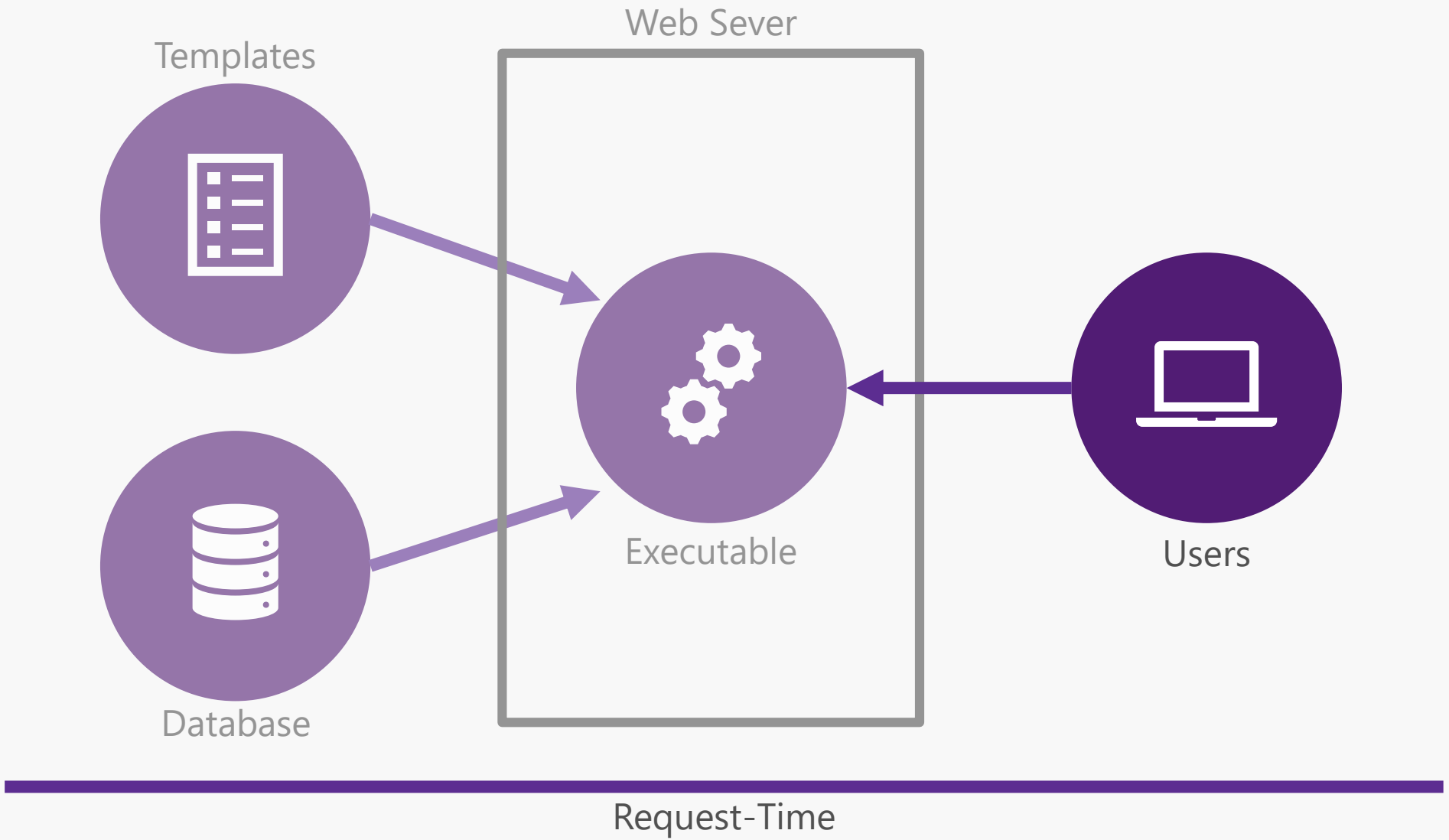
What is a Static Site Generator?

.NET

Static Site Generators

- Compromise between **hand-coded** static sites and a full **CMS**
- Generate HTML/CSS files using themes and templates (like Markdown files)
- Generated files transferred and served from web server

How Dynamic Web Sites Work



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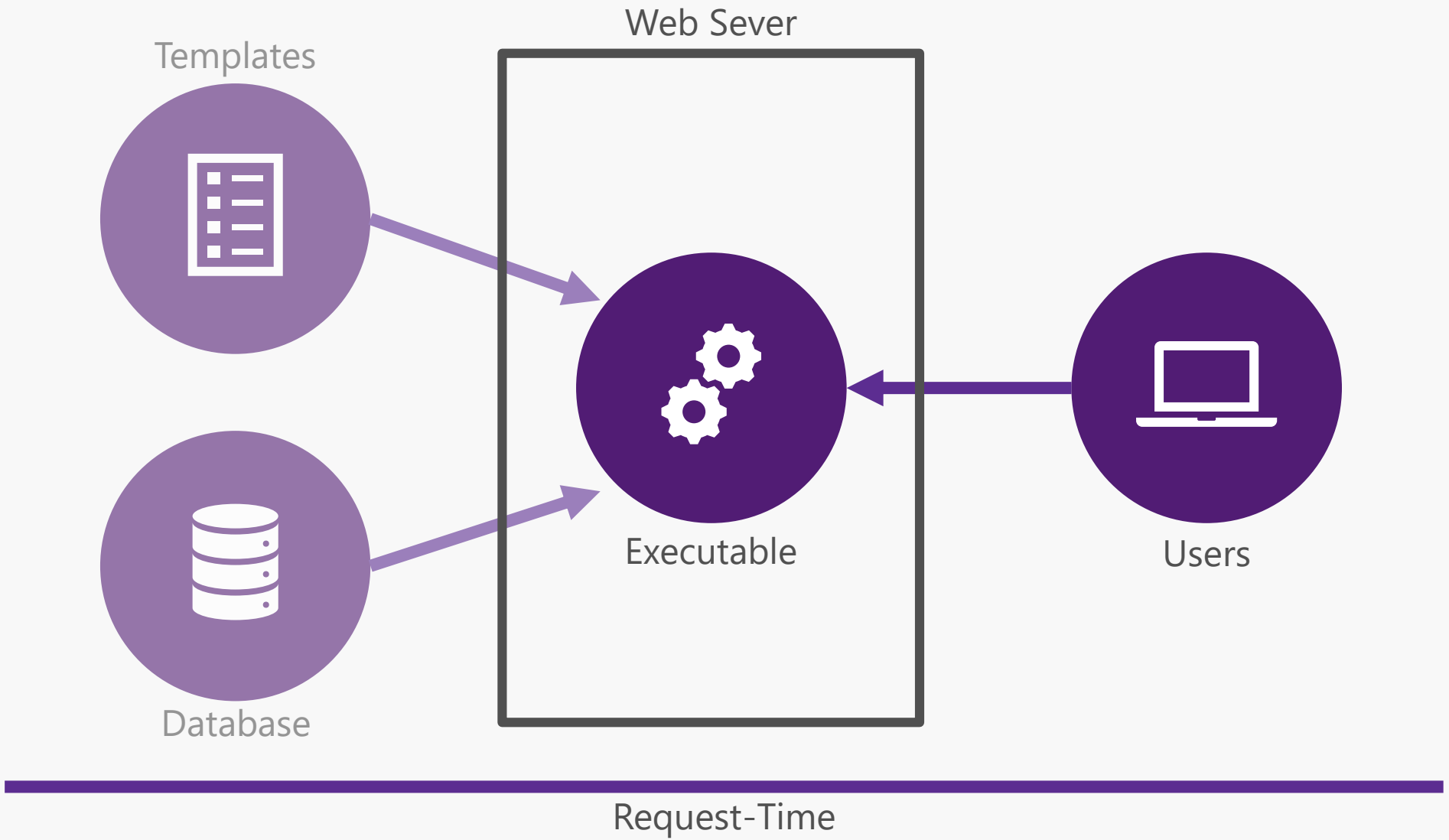

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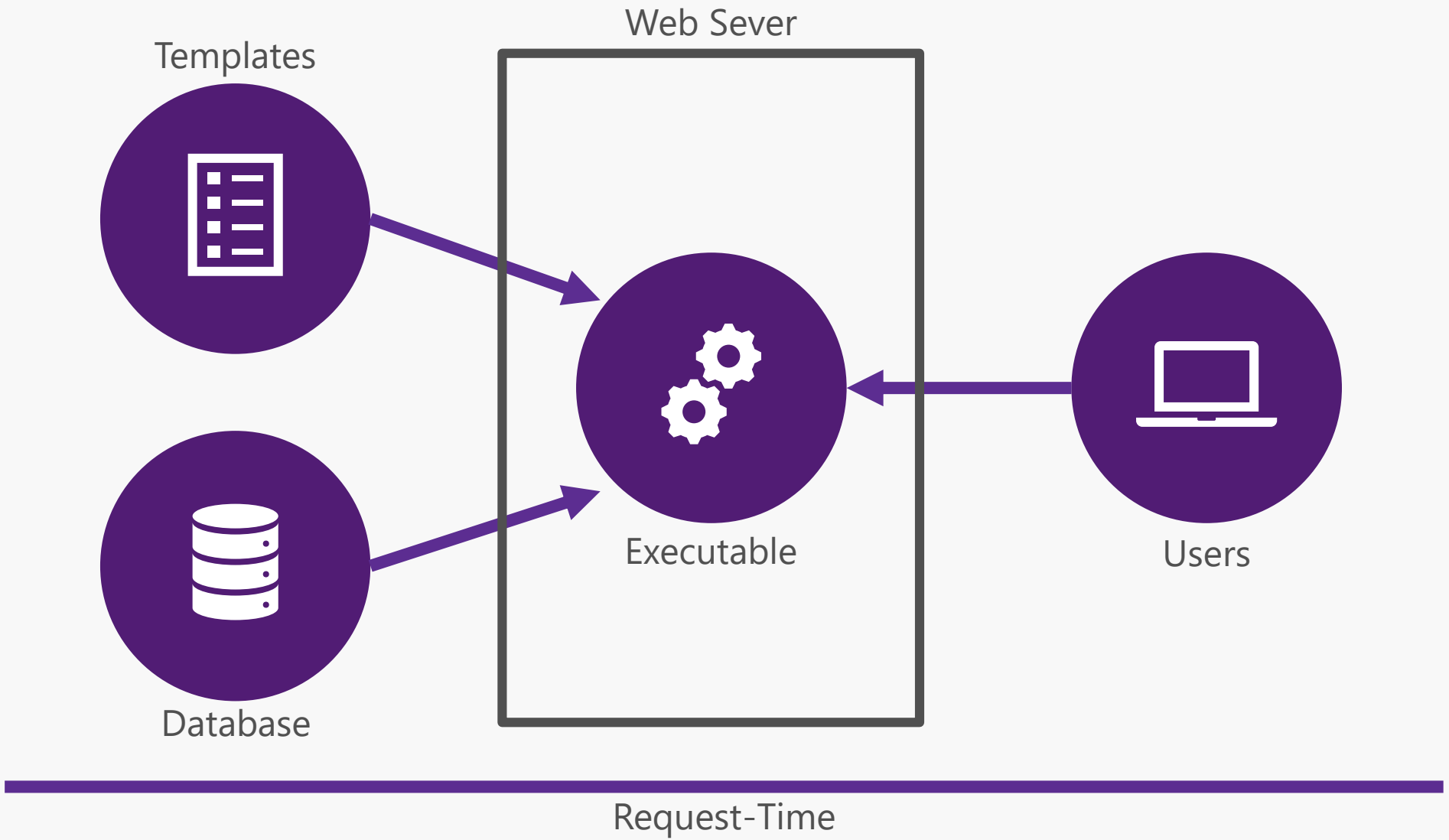

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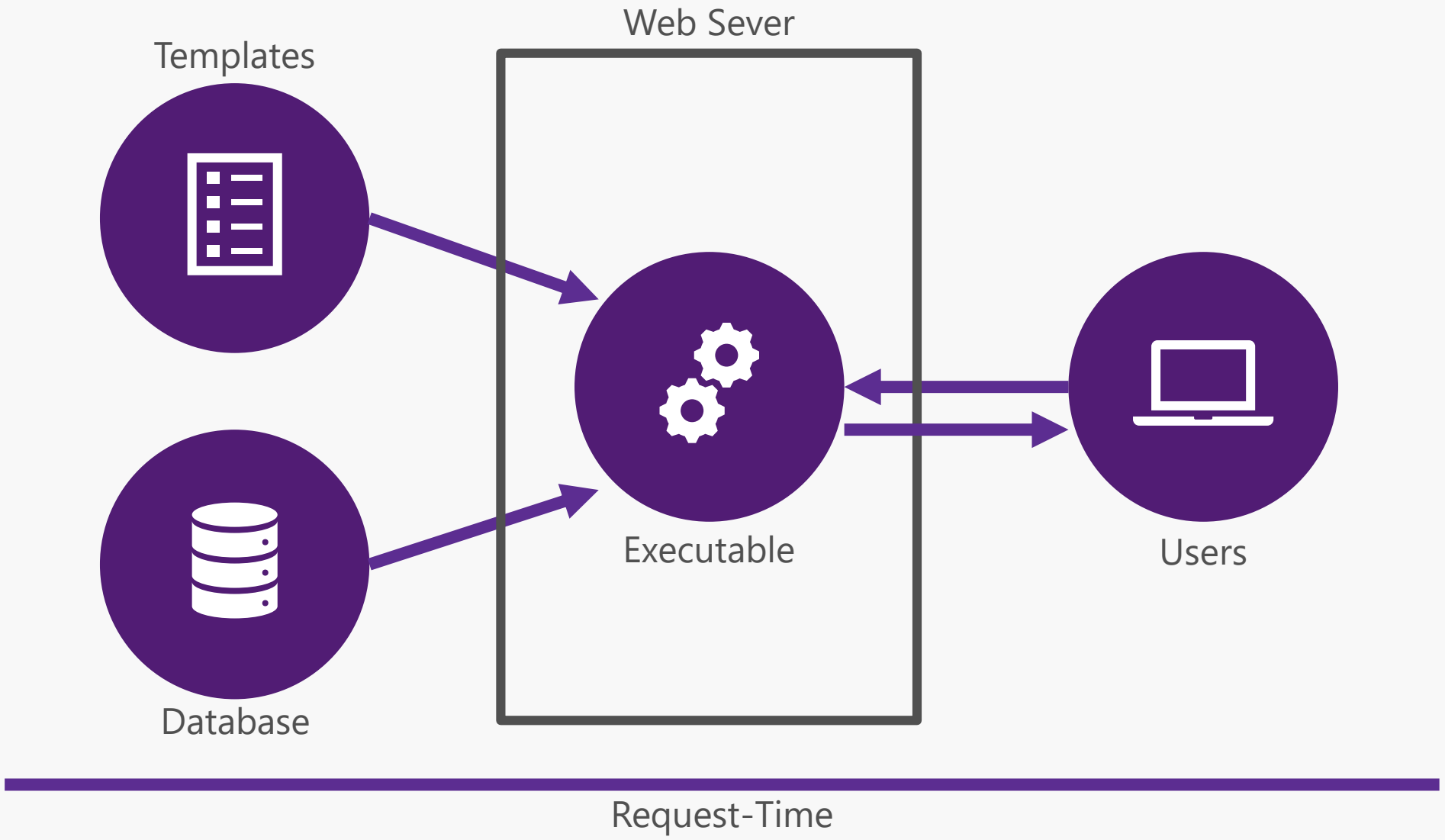

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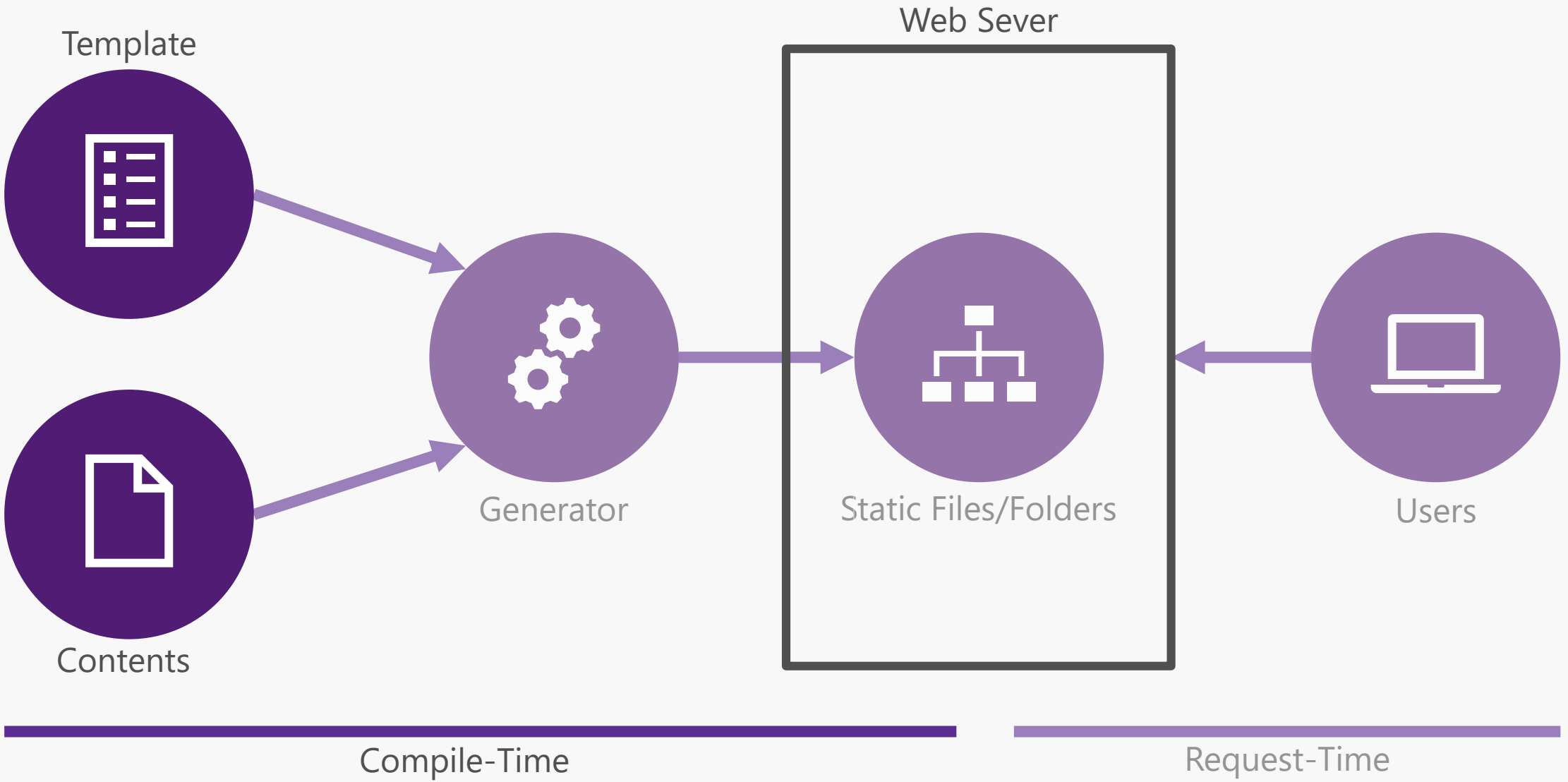

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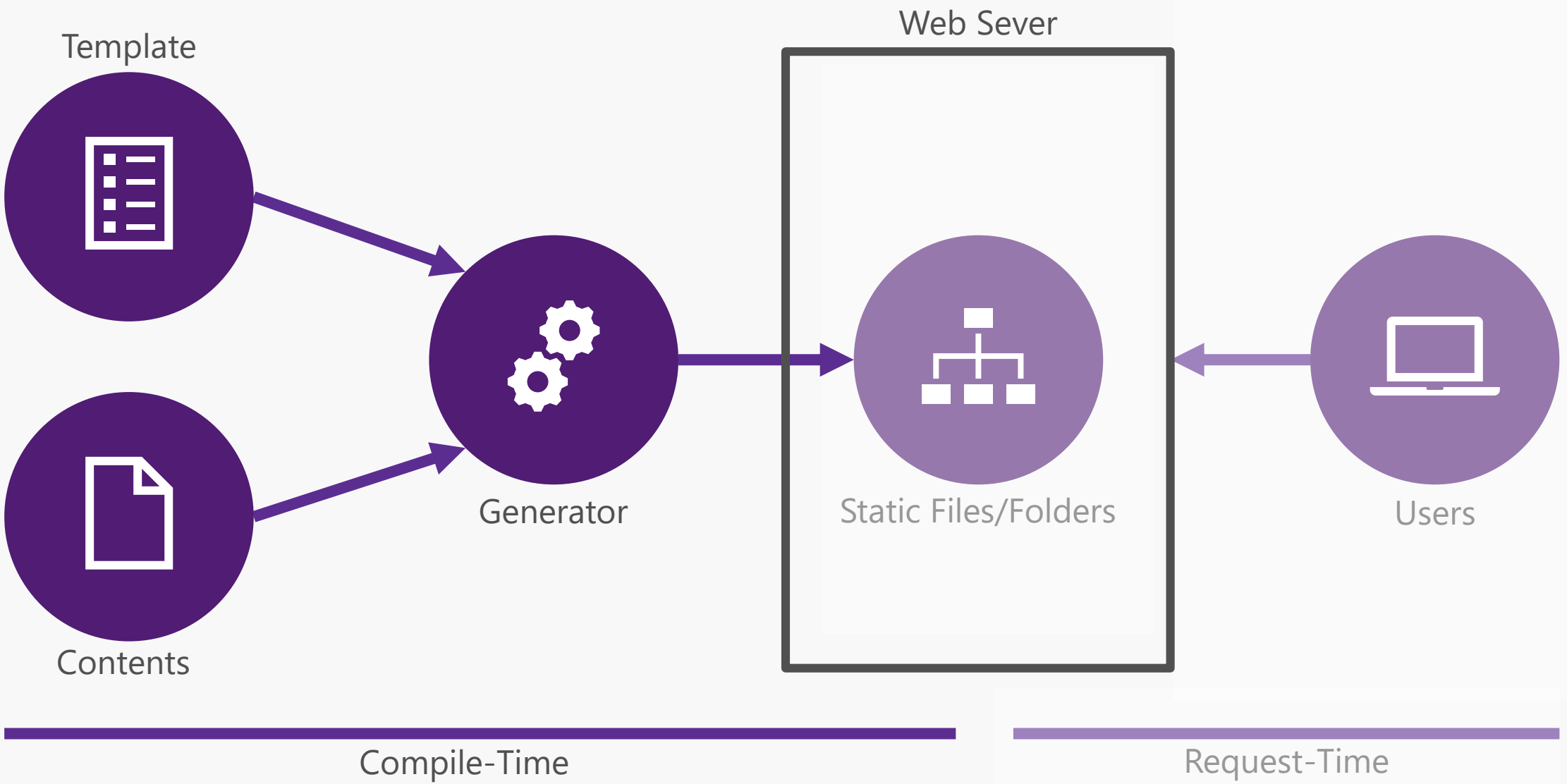

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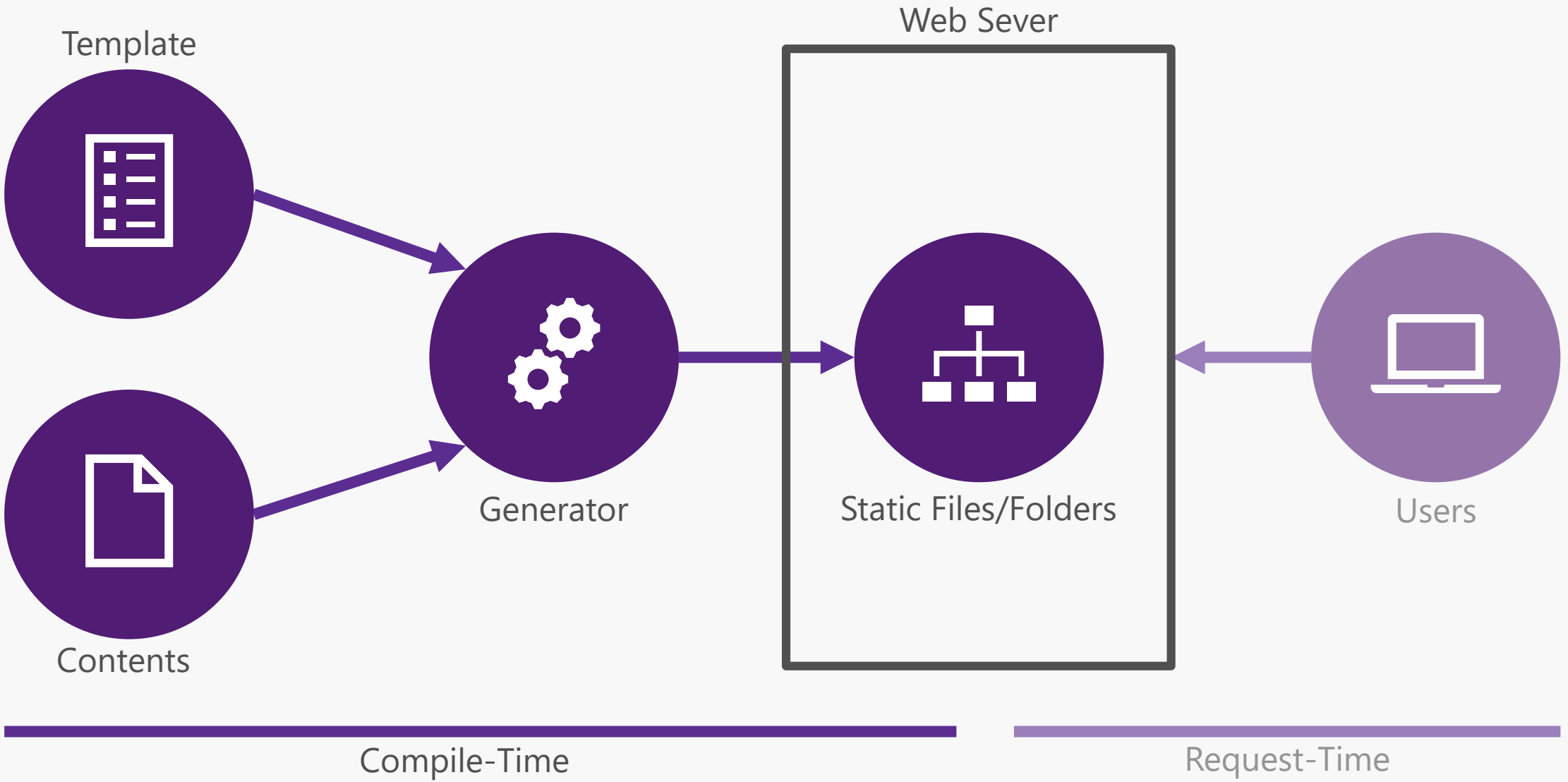

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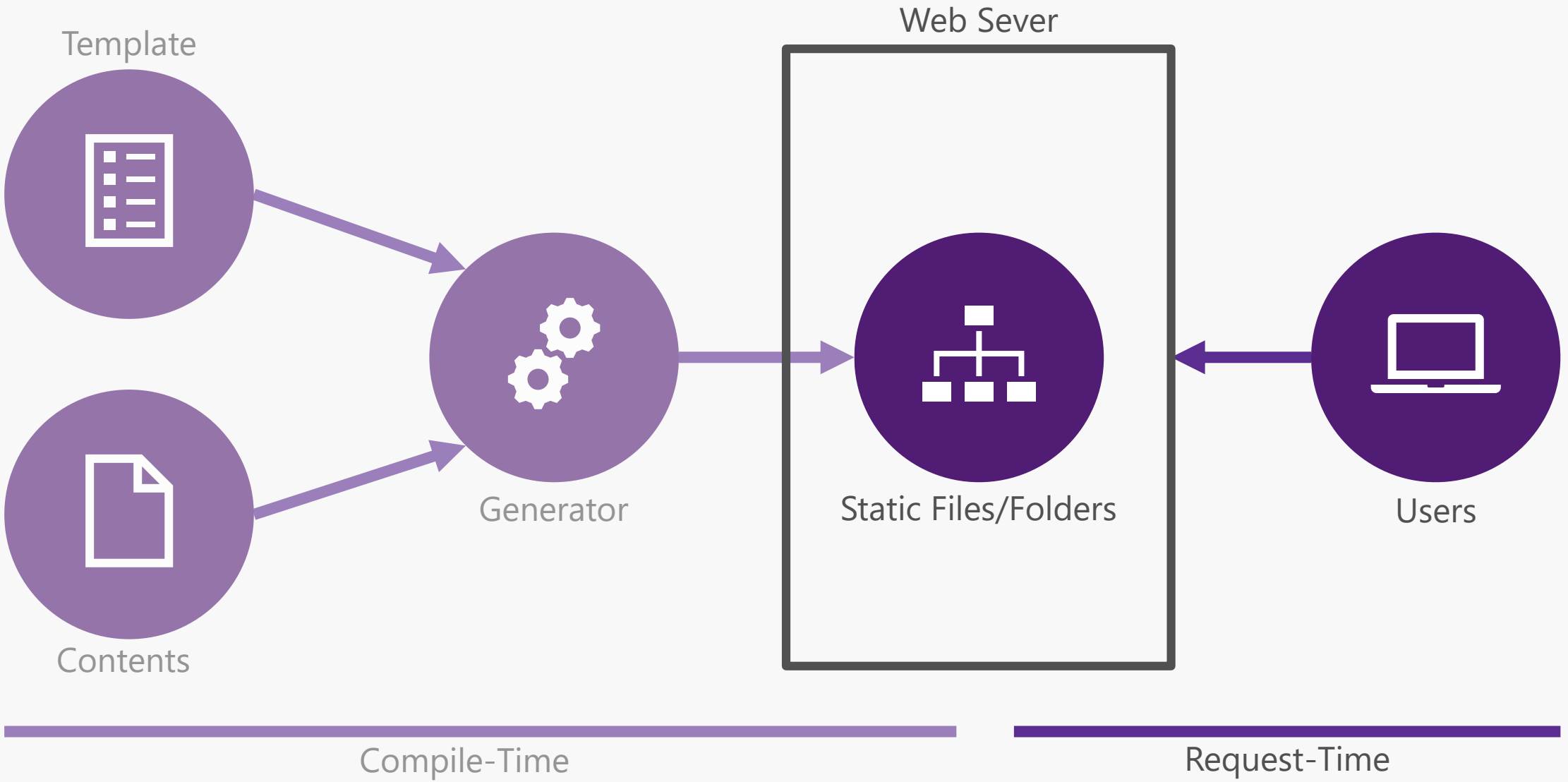

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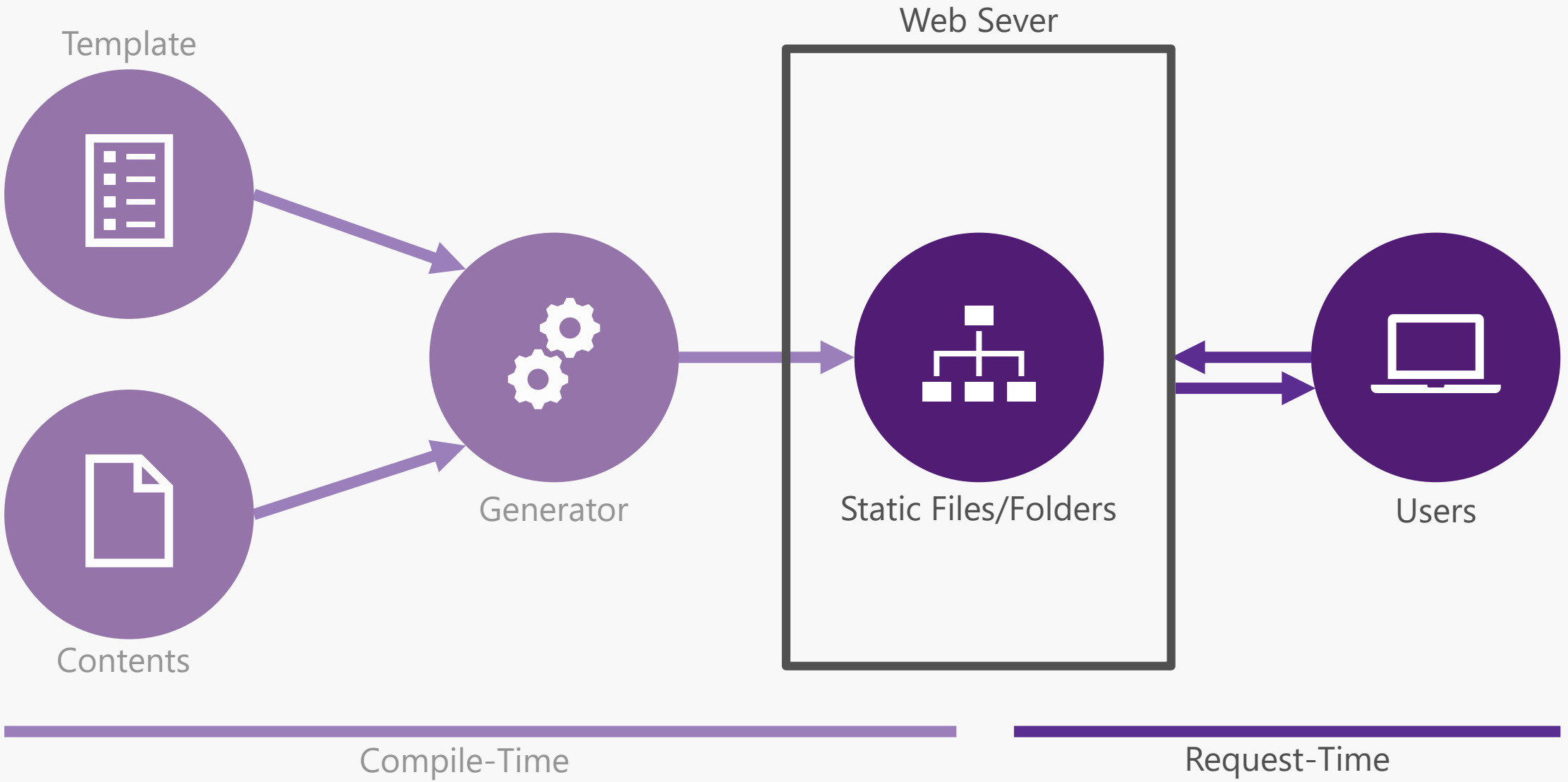

Why Static?

- Nothing is FASTER than serving static files

1.5s – 2.5s → 250ms

- Nothing is CHEAPER than serving static files

$40/mo → <$1/mo

Popular Static Site Generators

.NET

Static Site Generators Outside of .NET

Generator	Written In	Templates
Jekyll	Ruby	Liquid
Hexo	JavaScript	EJS, Pug, Haml, Swig, Nunjucks, Mustache, Handlebars, Twig, Marko
Gatsby	JavaScript	React
Hugo	Go	Go
NUXT	JavaScript	Vue

Source: www.staticgen.com

Static Site Generators Written in .NET

Generator	Written In	Templates
Wyam	.NET	Razor, Markdown
Pretzel	.NET	Liquid
Graze	.NET	Razor
IronBeard	.NET	Razor, Markdown

Source: www.staticgen.com

Static Site Generators Written in .NET

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Source: www.staticgen.com

DEMO: Wyam CLI

.NET

DEMO: Static Sites, CI/CD, & .NET Azure DevOps

Further Investigation

- Headless CMS's - https://headlesscms.org/
- Wyam - https://wyam.io/
- JAMStack - https://jamstack.org/

Thank You! Questions?

Slides @ github.com/jonathantower/death-cms-dotnetconf