

DOTVVM COMMUNITY

VIRTUAL MEETUP



24.10.2020

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View compilation in DotVVM 2.5

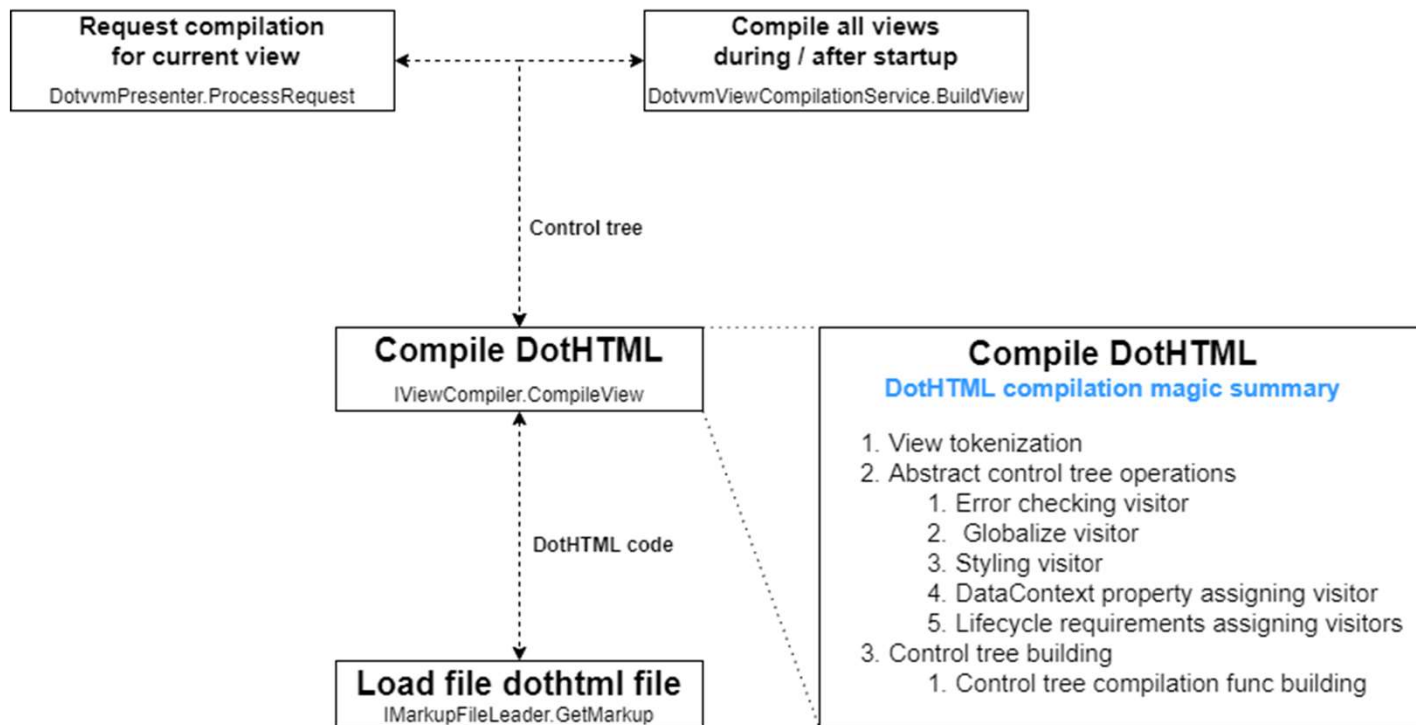
Michal Tichý

<https://github.com/MichalTichy/DotVVM-Meetup-DotvvmStatusPage-Demo>

DotVVM Compilation SIMPLIFIED

COMPILATION MODE:
LAZY

COMPILATION MODE:
DuringApplicationStart
AfterApplicationStart



View compilation modes

🍃 Lazy

🍃 DuringApplicationStartup

🍃 AfterApplicationStartup

0 references | Michal Tichý, 44 minutes ago | 1 author, 2 changes

```
public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
{
    var dotvvmConfiguration = app.UseDotVVM<DotvvmStartup>(env.ContentRootPath, modifyConfiguration:
        configuration =>
        {
            configuration.Markup.ViewCompilation.Mode = ViewCompilationMode.Lazy;
        });

    dotvvmConfiguration.AssertConfigurationIsValid();
}
```



DEMO

View compilation modes



View compilation modes

🌿 **Lazy**

- 🌿 Views are compiled when first request to given page is handled.
- 🌿 Ideal for development and small applications.

🌿 **DuringApplicationStartup**

- 🌿 View are compiled during application startup.
- 🌿 Application does not respond to incoming requests until compilation is done.
- 🌿 Ideal when using slot swapping on azure. Slots are swapped after view compilation is done.

🌿 **AfterApplicationStartup**

- 🌿 Views are compiled after application startup.
- 🌿 Application starts handling incoming requests. Views are compiled in the background.
- 🌿 Compilation can be postponed.
- 🌿 Ideal for production environment where slot swapping is not used.



Compilation Status Page

- Part of DotVVM Contrib

- <https://github.com/riganti/dotvvm-contrib>

- Compilation status page

- _diagnostics/status

- Compilation status page API

- _diagnostics/status/api



DEMO

Compilation Status page + API

