

# **The state of DD4T**

**TRIVIDEN**

**Three years ago, at an event not unlike today's...**

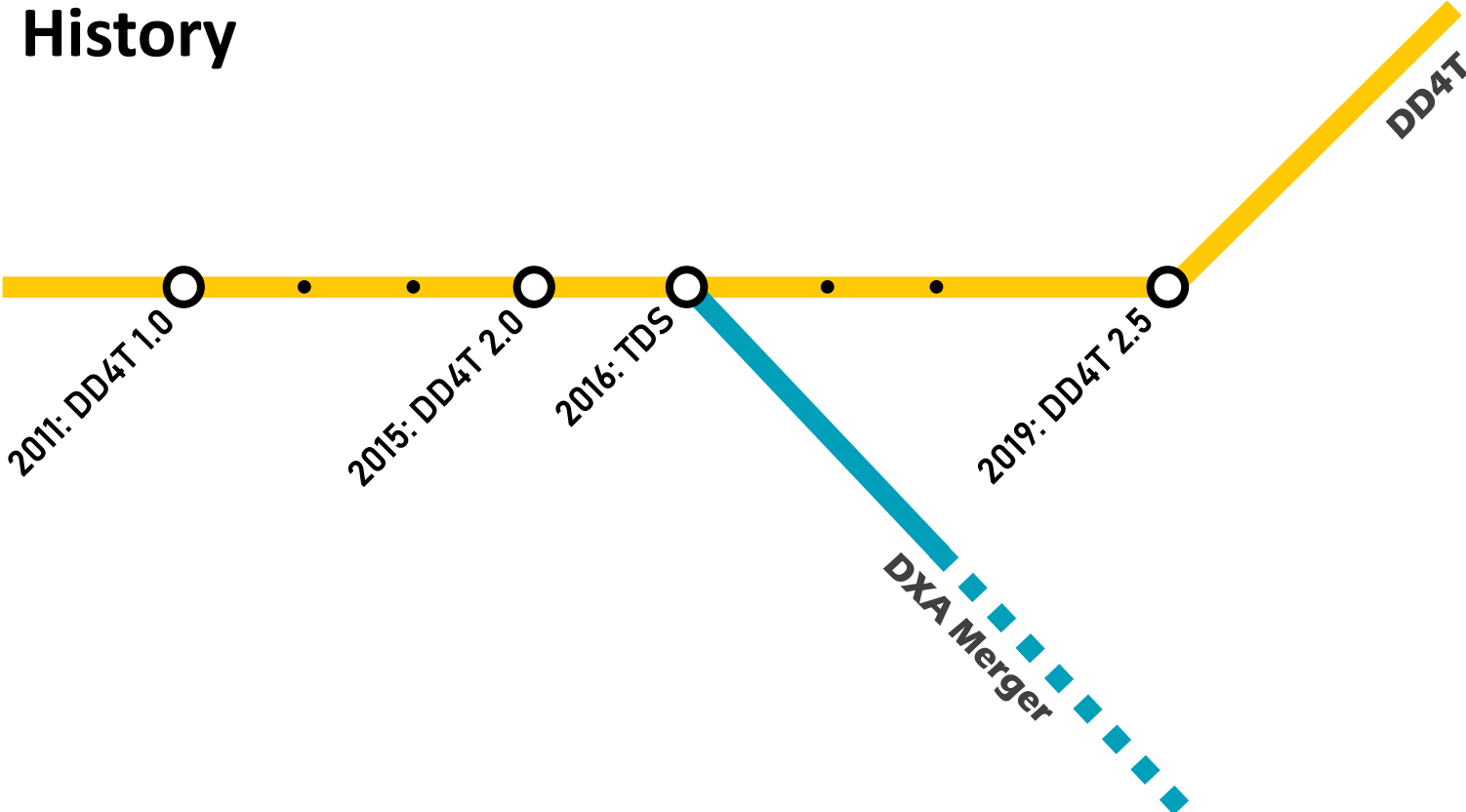


**TRIVIDEN**

# Types of Tridion Sites implementations


- Content-driven vs page-driven
- Server-side vs client-side
- Java vs .NET
- Corporate vs campaign
- Long-lived vs short-lived
- Etc. etc.

# History



**TRIVIDEN**

## Seeing that:



DXA has not developed into an open, extensible framework

DD4T is still a popular choice that leads to successful implementations

The market is asking for clarity and support

**TRIVIDENT**

**We have concluded that:**

**DD4T is still  
important to many  
Tridion Sites  
customers**

**TRIVIDENT**

And thus we decided to:

Resume active  
development on  
DD4T

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## Which means that:

DD4T will continue to be a solid foundation on which to build your web applications

Bugs will be fixed, stability will be improved and performance will be enhanced

Compatibility with Tridion and .NET is guaranteed, and technical trends will be followed

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# DD4T 2.5

## Consolidating release

- Create more clarity around versions (every package will go to 2.5)
- Send a clear signal to the community
- Full support of Tridion 9 including page regions
- Improved cache invalidation (including component linking!)
- Bugfixes (mostly around caching, binary handling and viewmodels)

DD4T 3.0

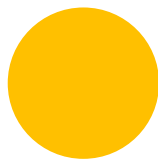
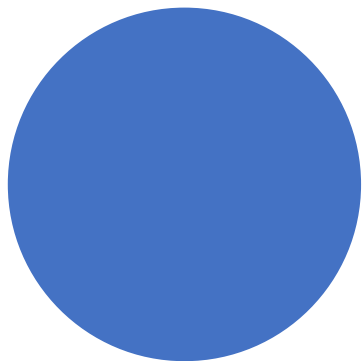
ETA: Q3 2020

.NET Core 3

GraphQL

Tridion  
Sites 9.5

TRIVIDENT



So you have a bare metal  
framework

Now  
what?

**Introducing...**



**DYNDLE**

# Reuse but stay in control

Your web site

Dyndle

DD4T



DYNDLE BY TRIVIDENT

# Visual Studio 2019

Open recent

Get started



Clone or check out code

Get code from an online repository like GitHub or Azure DevOps



Open a project or solution

Open a local Visual Studio project or .sln file



Open a local folder

Navigate and edit code within any folder



Create a new project

Choose a project template with code scaffolding to get started

[Continue without code →](#)



# Create a new project

Dyndle



Language ▾

Platform ▾

Project type ▾

## Recent project templates



Class Library (.NET Framework)

C#



ASP.NET Web Application (.NET Framework)

C#



Dyndle Tridion 9

Dyndle Solution Template for Tridion 9, MVC 5, Log4net and Autofac



Dyndle SDL Web 8.5

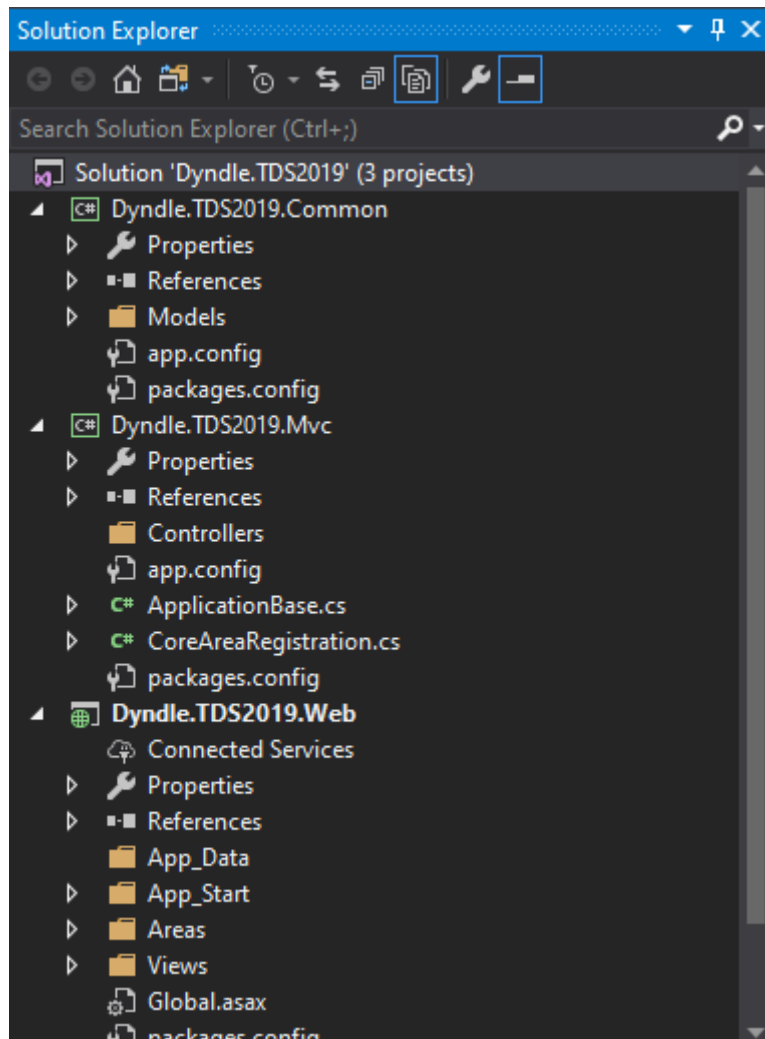
Trivalent SDL Web Project Solution Template

Not finding what you're looking for?

[Install more tools and features](#)

Back

Next





C:\Windows\System32\cmd.exe

D:\Code\Trivalent\autoviewmodels\source\AutoViewModels.CLI\bin\Debug>dyndle-models.bat

D:\Code\Trivalent\autoviewmodels\source\AutoViewModels.CLI\bin\Debug>AutoViewModels.CLI export-folder -f tcm:1-16-2 -n -  
-namespace Dyndle.TDS2019.Common.Models.Entities --using Trivalent.Modules.Core.Attributes.ViewModels Trivalent.Modules.  
Core.Models --base EntityModel --mmbase EntityModel --no-render-data --package-name Dyndle.TDS2019.Models --package-vers  
ion 1.0.0 --author "Quirijn Slings" --owner Trivalent --prerelease --output-folder "D:\Code\NugetLocal"  
output created at D:\Code\NugetLocal\Dyndle.TDS2019.Models.1.0.0-build20191105051934.nupkg

D:\Code\Trivalent\autoviewmodels\source\AutoViewModels.CLI\bin\Debug>

NuGet - Solution Dyndle.TDS2019.Web

Browse Installed Updates 10 Consolidate

### Manage Packages for Solution

Search (Ctrl+L)

Include prerelease

Package source: Local



**Crownpeak.CMSAPI** by Crownpeak

v1.1.0

Contains Crownpeak CMSAPI, used to develop templates



**Dyndle.TDS2019.Models** by Quirijn Slings v1.0.0-build20191105051934

ViewModels generated from schemas in Tridion

Prerelease



**IHSM.Models** by Quirijn Slings

v1.0.13

ViewModels generated from schemas in Tridion



**Ricoh-DD4T.Providers.Rest** by DD4T Community

v2.1.1

DD4T Rest Providers



**RicohEurope.Web.REST.Data** by Quirijn Slings

v1.0.5.5



### Dyndle.TDS2019.Models

Versions - 0

- Project
- Dyndle.TDS2019.Common
- Dyndle.TDS2019.Mvc
- Dyndle.TDS2019.Web

Installed: not installed Uninstall

Version: Latest prerelease 1.0.0 Install

```
7 using DD4T.ViewModels.Base;
8 using Trivalent.Modules.Core.Attributes.ViewModels;
9 using Trivalent.Modules.Core.Models;
10
11 namespace Dyndle.TDS2019.Common.Models.Entities
12 {
13     ///<summary>
14     /// Class is auto-generated from Tridion schema Article (tcm:1-71-8)
15     /// Date: 11/4/2019 5:02:12 PM
16     /// </summary>
17     [ContentModel("article", true)]
18     0 references
19     public partial class Article : EntityModel
20     {
21         [TextField]
22         0 references
23         public virtual string Title { get; set; }
24         [TextField]
25         0 references
26         public virtual string Introduction { get; set; }
27         [EmbeddedSchemaField(EmbeddedModelType = typeof(Paragraph))]
28         0 references
29         public virtual List<Paragraph> Paragraphs { get; set; }
30         [LinkedComponentField]
31         0 references
32         public virtual DefaultMultimediaSchema Image { get; set; }
33     }
34 }
```

```
1 @model Standard
2
3 @foreach (var entity in Model.Regions.FirstOrDefault(r => r.Name == "Hero").Entities)
4 {
5     @Html.RenderEntity(entity);
6 }
7
8
9 @if (Model.Regions.Any(r => r.Name == "Features"))
10 {
11
12     <!-- Icons Grid -->
13     <section class="features-icons bg-light text-center">
14         <div class="container">
15             <div class="row">
16                 @foreach (var entity in Model.Regions.FirstOrDefault(r => r.Name == "Features").Entities)
17                 {
18                     @Html.RenderEntity(entity);
19                 }
20             </div>
21         </div>
22     </section>
23 }
24
```



# The modern approach to building Tridion-driven websites



## Code less

Dyndle gives you a working Tridion-driven web site without you having to write tons of classes.



## Enjoy its features

Whether you want to implement search, navigation, preview or image manipulation - it's all there for you!



## Customize everything

Not happy with the defaults? You can easily customize every part of it.



# Demo



# What is Dyndle?

- A development kit for rapid web site development
- Built on top of DD4T
- Only available on .NET
- Have your site up and running in hours instead of weeks
- You still own the web application!
- Many useful features out of the box
- Open source, controlled by Trivalent



# Dyndle – the toolkit for you

A working web site without you having to write tons of classes.

Search, redirects, navigation, preview or image manipulation and much, much more!

Not happy with the defaults? You can easily customize every part of it.



# DD4T and Dyndle

## the Features

### Dyndle



- Complete MVC layer
- Labels and settings
- Tridion-aware output caching
- WYSIWYG preview
- Redirects (aka friendly URLs)
- Extensionless URLs
- Cache viewer
- Image enhancement
- SOLR support
- Navigation
- Email
- Feedback forms
- Includes
- Etc

## the Foundation

### DD4T

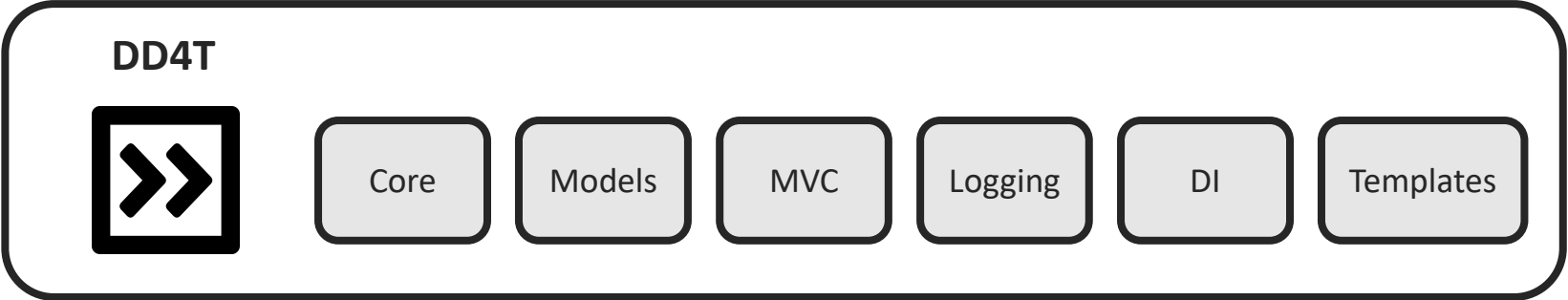
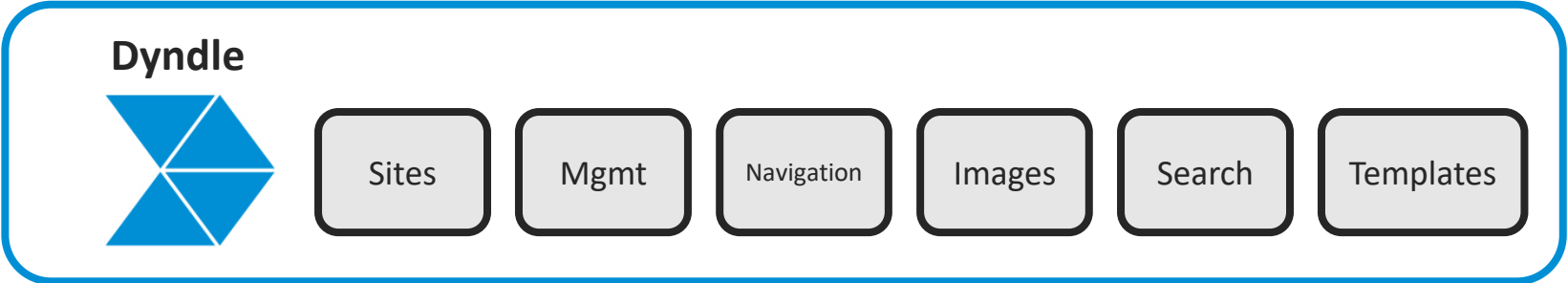


- Templates that generate JSON
- Retrieval of Tridion pages, component presentations, binaries
- Link, rich text and publication resolving
- Conversion to ViewModels
- Caching and cache invalidation
- Logging and dependency injection
- Basic MVC hooks
- XPM



**DYNDLE** BY TRIVIDENT

# Solution design



# Features

- Model generator
- View generator
- Model binders
- New ways to deal with regions
- Extensionless URLs
- WYSIWYG Preview in the CME
- Redirects
- Error pages
- Manage your application from Tridion (labels, settings)
- Access schemas, templates and categories by name instead of ID
- Show debug info in your site
- Publication resolving using topology manager
- Serialized cache agent
- Include pages
- Cache invalidation upon publishing
- Output caching
- Cache viewer
- Simplifies use of broker queries
- Full text search / filters with SOLR

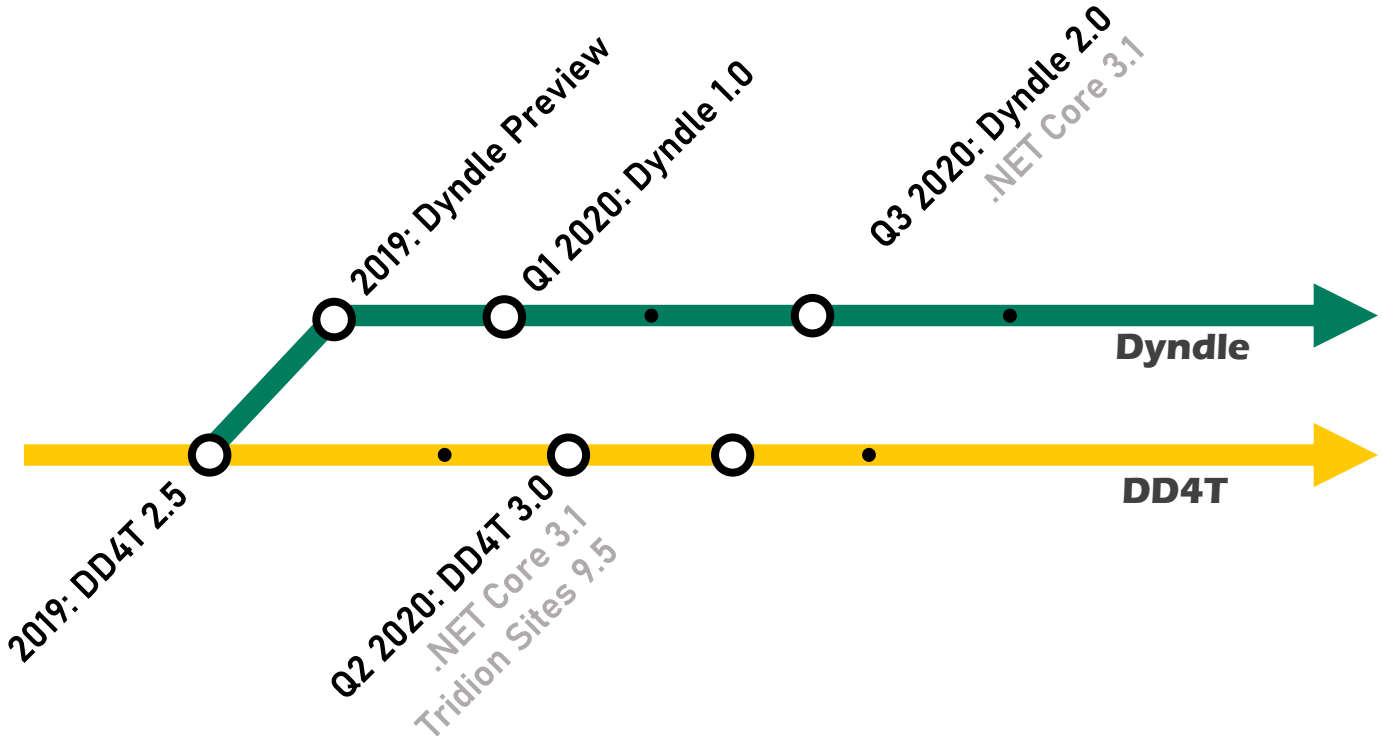


# You may be wondering...

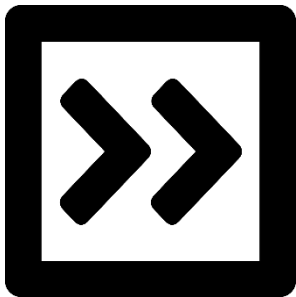
- Is Dyndle brand new?
  - No! Trident have used it for a few years on 4 different implementations
- Will there ever be a Dyndle for Java?
  - No, just for .NET (and in one year it will be on .NET core so you can run it anywhere)
- Where can I get it?
  - You can't, yet! We will release a preview version this year and a full release in Q1 2020
- How much does it cost?
  - Nothing! It will be free for everyone
- Is it supported?
  - Talk to us
- How can I contribute?
  - You can contribute by creating pull requests. Trident will review them and include them in the product if they are any good.



# Future



**More information: [quirijn.slings@trivident.com](mailto:quirijn.slings@trivident.com)**



**DYNDALE**

**TRIVIDENT**