

# Welcome to Dynamicweb 9

Experience the new and intuitive  
All-in-One Platform

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# Introduction

## **Experience the new and intuitive All-in-One Platform. Welcome to Dynamicweb 9!**

Modern and efficient, the new Dynamicweb 9 offers a brand new All-in-One Platform experience that enables you to work faster, smarter and the way you want.

Dynamicweb 9 is a major update of our existing Dynamicweb 8 All-in-One Platform, and has been optimized according to today's digital requirements and expectations. The new platform contains a brand new user interface for higher performance and ease-of-use, and it marks an early shift towards future proof technology like CoreFX and ASP.NET Core 1.0.

While transitioning to the new platform, an extensive code clean-up and refactoring of the Dynamicweb core was undertaken; providing major performance optimizations, security improvements and opportunities for brand new features. The new Dynamicweb core is much more agile and consists of individual apps that simplifies the process of updating specific features in your solution.

As a Dynamicweb partner, you now have access to the Dynamicweb 9 beta version. Feel free, try it out yourself; test the new platform and provide us with your feedback at the Developer forum. [Click here to download Dynamicweb 9 beta \(requires Developer login\).](#)

Continue reading if you want to learn more about all the new features and possibilities.



**Nicolai Høeg Pedersen**  
CTO, Dynamicweb Software

## New and intuitive user interface

One of the major features of Dynamicweb 9 is the completely overhauled and modernized user interface for the entire system.

Using the power of modern browsers, Dynamicweb 9 gives editors a faster, more consistent and generally much improved editor experience based on modern user experience knowledge with improved performance as the main objective:

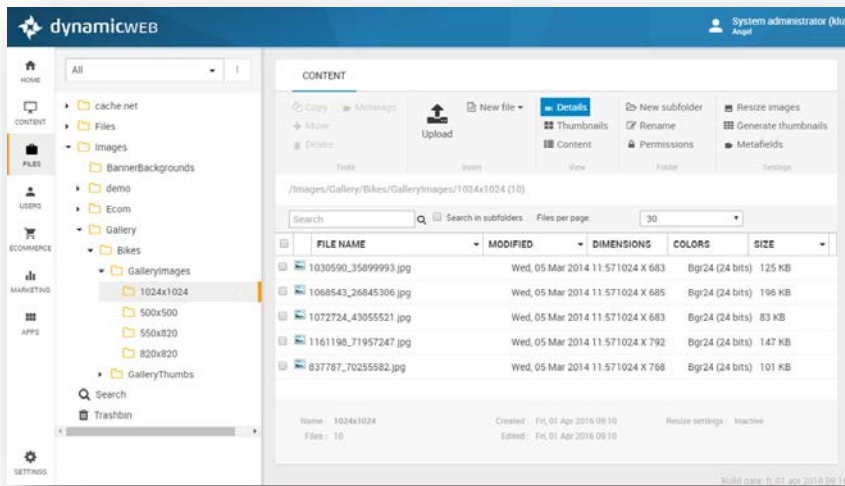
- The user interface has been rewritten to improve performance and to reduce loading time for editors when editing content.
- The workflow for content creation and maintenance has been streamlined with optimized workflows, input screens, and more intuitive ways of creating content.
- We have paid particular attention to reducing the time it takes to create a new page, write content, upload media and publish new content.

Editors can now work in more areas at the same time without losing their progress. Each area of the system is now its own app. For example, Content, Ecommerce, and Marketing are all segmented like apps. The new setup enables editors to switch between areas without saving and closing their work. For instance, it is now possible to switch from the content editor to the file manager, upload and resize an image, and when done, switch back to the editor and continue editing. The ability speeds up the workflow considerably.

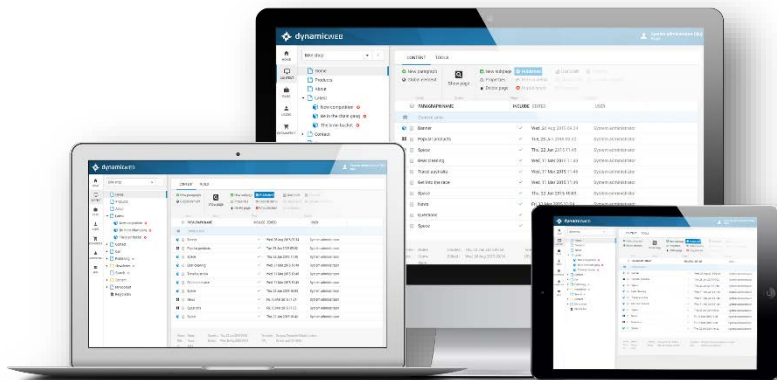


Using the power of modern browsers, Dynamicweb 9 gives editors faster, more consistent and generally much improved editor experience.

PARAGRAPH NAME	INCLUDE	EDITED
Content area		
Banner	✓	Wed, 26 Aug 2015 09:34
Popular products	✓	Tue, 23 Jun 2015 09:02
Space	✓	Thu, 22 Jan 2015 11:46
Gear cleaning	✓	Wed, 11 Mar 2015 11:49
Travel australia	✓	Wed, 11 Mar 2015 11:46
Get into the race	✓	Wed, 11 Mar 2015 11:49
Space	✓	Thu, 22 Jan 2015 10:03
News	✓	Fri, 13 Mar 2015 11:04
Questions	✓	Fri, 13 Mar 2015 11:05



The Dynamicweb 9 interface will be optimized for mobile devices and touchscreens, making it easier to use touch-based devices to manage and create content, e.g. removing the need for using a mouse. The responsive design is expected to be added to more parts of the system over time.



Key areas of the content creation flow have been updated according to editor needs and preferences. Primary features have been moved forward so they are easier to find and manage. Secondary features, which are only used occasionally, have been given a less prominent spot, so they do not interfere with everyday work.

CONTENT		TOOLS		
New paragraph	Global element	New subpage	Published	Use draft
Show page	Properties	Hide in menu	Show draft	Approve
Delete page	Unpublished	Compare	Discard changes	
PARAGRAPH NAME	INCLUDE	EDITED	USER	
Content area				
Banner		✓ Wed, 26 Aug 2015 09:34	System administrator	
Popular products		✓ Tue, 23 Jun 2015 09:02	System administrator	
Space		✓ Thu, 22 Jan 2015 11:46	System administrator	
Gear cleaning		✓ Wed, 11 Mar 2015 11:49	System administrator	
Travel australia		✓ Wed, 11 Mar 2015 11:46	System administrator	
Get into the race		✓ Wed, 11 Mar 2015 11:49	System administrator	
Space		✓ Thu, 22 Jan 2015 10:03	System administrator	
Name: Home	Created: Thu, 22 Jan 2015 09:54	Template: Designs/Dwsimple/fullwidth.cshtml		
Title: Home	Edited: Wed, 26 Aug 2015 09:34	URL: Default.aspx?ID=8565		
Id: 8565				



Dynamicweb 9 has been optimized for better performance, serving pages faster than ever!

### Lightning fast performance and search capabilities

Any business aspiring to run a successful digital solution knows that performance is essential and key to online success. Users (and editors) are impatient, and we all know that slow websites have a much lower conversion rate than fast websites. Especially since website-speed is an important factor in Google PageRank.

Dynamicweb 9 has been optimized for better performance, serving pages faster than ever! We have reduced the time it takes to generate and serve pages, and have put a lot of work into reducing performance bottlenecks.

Performance improvements go beyond page loads. It also applies to the new search engine, which we introduced in Dynamicweb 8.6. The search engine has previously been limited to product catalog, but in Dynamicweb 9, it is now possible to search through users, content and items, in addition to product catalogs. All in record time!

The search engine is a prioritized development area in Dynamicweb 9, and will see further improvements in the future.

### Packages: from modules to apps

With Dynamicweb 9, we are changing the way we release and distribute our software.

Previously, a full update of an entire installation was necessary in order to access new features and service releases, but with Dynamicweb 9, we introduce packages.

Instead of one big application, each of our core APIs, each feature, each provider etc. is now divided into separate assemblies ready to be installed from the administration. It covers both larger features like Ecommerce, and minor parts of the system, e.g. a PayPal payment gateway. Each of these are installed as packages and can be removed or updated without updating the rest of the solution.

The following example demonstrates how Dynamicweb 9 is changed into a loosely coupled package architecture. You can for instance upgrade a specific payment gateway separately from the Ecommerce and Cart packages.



There are many benefits to a package-based software distribution model like:

- Easier installation and removal of features and apps
- Less time-consuming and risky update process
- Package-specific bug-fixes and feature enhancements

Dynamicweb 9 also features support for developers to create and maintain their own unique package repositories and apply packages from these across projects. Partners can also distribute packages to other partners and share features in this way.

Packages can contain not just code, but also item types, templates and other resources like CSS, JS, images and more. This means that whole features can be distributed as a package. Packages can also be used for deployment from development to production servers. However, the packages do not contain data – yet.



With Dynamicweb 9, we introduce packages, which is the same concept known as apps on i.e. smartphones. Each feature in Dynamicweb 9 is a package that you can install and update separately.

### Future proof technology and improved API

As everyone who works with software knows, technology keeps evolving, and you must evolve with it. Dynamicweb 9 is built on the latest .NET framework and efforts have been made to ensure that the platform is ready to utilize new technology from Microsoft, such as CoreFX and ASP.NET Core 1.0.

This ensures that your Dynamicweb solutions are well equipped to overcome the challenges of future developments in the technological landscape.

In addition to the changes to the technology platform, many changes were made to the Dynamicweb platform.

Each app, feature and add-on now has its own package. For instance, Ecommerce is now a standalone app instead of being part of the Dynamicweb core. All implementations of providers have also been moved into separate packages, i.e. one for each payment gateway, delivery provider etc. Each assembly is a package for easier distribution and updates.

When working with razor templates, Dynamicweb now supports real models in parts of the frontend, which improves usability when implementing and makes rendering faster.

The API has been refactored as part of the process. All code marked as obsolete in Dynamicweb 8 has been removed – see more below. Some types have moved to new namespaces, and all types and members have been streamlined in terms of naming and documentation.

Parts of the API has been rewritten to simplify the code, improve performance and API usability, and to introduce new architecture where needed.

- New core APIs
  - Caching
  - Logging
  - Configuration
- Changed API
  - Frontend pipeline and namespace
  - URL handling
  - Area, Pages and Paragraph APIs changed to a service model
  - Abstracted dependency on System.Web



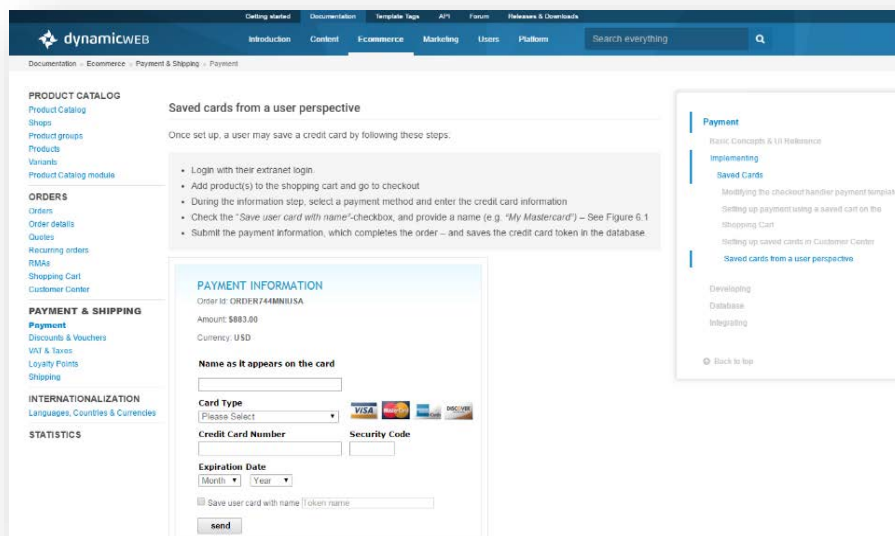
Dynamicweb 9 is built on future proof technology ready to utilize new technology from Microsoft, such as CoreFX and ASP.NET Core 1.0.



## New user friendly documentation

We have rewritten and restructured the entire documentation, which makes it easier to search and navigate the information stored in manuals, releases notes and forums. The new documentation consists of three main parts:

- The User Documentation contains all the information on how to use and setup Dynamicweb. It also includes information on implementation, the database, and a number of how-to covering topics like creating an email campaign, implement type-ahead search.
- The Template Tag Reference has been rewritten and restructured to make it easier to find information. It also includes many new examples, including razor syntax code examples for all tags.
- The entire API has been re-documented with updated comments not auto generated and code examples in many places. It is released in the MSDN style that developers are accustomed to, and is updated regularly as part of the build and release process.



The new documentation portal will launch at the same time as the official release of Dynamicweb 9.

## Updated compatibility

With Dynamicweb 9, we have removed several deprecated and outdated features from the code. Some of them have been around for a long time and have served their purpose. They have now been replaced by new apps or by the powerful items-functionality.

In Dynamicweb 9, these modules are deleted and can no longer be used. They all have new versions or are replaced by other features in Dynamicweb.

## Core features

- Search and Indexing (Replaced by New indexing)
- Product smart searches were based on this engine and has been replaced by the new Indexing engine
- The stylesheet implementation model (Replaced by Designs & Layouts)

## Ecommerce features

- Cart has been removed (Replaced by Cartv2)
- Product field groups (Replaced product categories)

## Modules

- DbPub (Replaced by datalists)
- Dealersearch (Replaced by user management and maps)
- Employee (Replaced by user management)
- ForumV2 (Replaced by BasicForum)
- Intranote (Deprecated)
- Newsletterv3 (Replaced by Email marketing)
- Statisticsv3 (Replaced by new analytics)
- Survey (Deprecated, replaced by forms for editors)
- Weblog (Deprecated, replaced by Items)
- Audit (Deprecated)
- Calender + Calendar (Deprecated, replaced by Items)
- Cart (Old shop module which is deprecated)
- Cartv2 (Old shop module which is deprecated)
- Ecards (Deprecated, replaced by Items)
- Faq (Deprecated, replaced by Items)
- Forum (Replaced by BasicForum)
- ImageGallery (Replaced by Gallery)
- Keywordfinder (Deprecated)
- MediaDB (Replaced by Gallery, Filepublishing and GetImage)
- Metadata (Deprecated)
- News (Replaced by Newsv2 and items)
- Newsletter (Replaced by Email marketing)
- NewsletterExtended (Replaced by Email marketing)
- Poll (Deprecated, replaced by items)
- RSSFeed (Deprecated, replaced by RemoteHttp module)
- Shop (Deprecated, replaced by Ecommerce)
- Sitemap (Replaced by Sitemap v2)

- StatisticsExtended (Deprecated)
- Tagwall (Deprecated, replaced by items)
- Booking (Deprecated, replaced by items)
- Ipaper (Deprecated, replaced by Gallery)
- Datalist CrmIntegration (Deprecated – MS CRM 4 is deprecated)

### Settings and browsers

A number of settings from the Management Center have been removed and falls back to default behavior, i.e. "Internet Explorer 8 compatibility level" and settings like that.

Dynamicweb 9 administration interface only supports newer browsers like IE 11+, Firefox 43+, Chrome 47+ and Safari 9.

### Upgrading to Dynamicweb 9

If a solution uses any of the deprecated and removed features listed above, they must be re-implemented using the replacement features.

Only solutions using Designs & Layouts can be upgraded to Dynamicweb 9.

Before upgrading any solution to Dynamicweb 9, it first needs to be upgraded to the latest version – Dynamicweb 8.8.1 (April 2016). The 8.8.1 release will also give you access to a new "Upgrade Advisor", which will ease the transition to Dynamicweb 9 by highlighting any potential challenges related to the upgrade of your current solution.

### Dynamicweb 8 standard solutions

Standard solutions with no custom code can be upgraded "as is" to Dynamicweb 9. If Razor templates contains API calls to the Dynamicweb API, these may require changes.

### Dynamicweb 8 custom solutions

In order to upgrade a custom solution, it must be updated to target Dynamicweb 9. This means updating references, methods and class usage where the types and members have been renamed, moved or deleted.

The custom solution then needs a rebuild (Could be on .NET 4.6).

Dynamicweb 9 still runs on .NET 4 CLR, meaning all .NET 4 compiled code not using the Dynamicweb API can continue to run.

### Dynamicweb 7 solutions

Dynamicweb 7 solutions must first upgrade to Dynamicweb 8.8, and follow the steps above.