



# What is DNN?

- DNN (formally referred to as DotNetNuke) is one of the best open source Content Management Systems (CMS)
- Additionally DNN Evoq is licence version of DNN with tons of additional features and Technical Support.
- Over 750,000 organizations worldwide have built websites powered by DNN Platform.
- The DNN Platform is built on the .NET framework and is designed to be easy to use, without requiring extensive programming knowledge. Currently the DNN Product released its latest version of DNN Platform 9.3.1 and Evoq version is 9.3.0 on 9 April 2019.



# Why use DNN?

- **Seamless content & document maneuvers** : DNN is absolutely simple and user-friendly to work with, for all kinds of users. Be it, administrators, content managers, designers, and developers – anyone can maneuver it at ease.
- **Security – the substantial entity** : DNN has proven to provide exceptional security, with a built-in security model in the CMS architecture. It sorts users into groups based on the type of operation and provides specific permissions. It also helps in validation, encryption and bug tracking to build secure websites.
- **Built-in e-commerce solution** : DNN has a built-in e-commerce solution for good services, such as selling physical goods, digital downloads, events or even donations. DNN works seamlessly with common payment gateways, such as Paypal, SagePay, Google Checkout, Barclays, HSBC, and Authorize.net.



# Why use DNN?

- **High performance & stability** : DNN ensures a great user experience for site visitors by running and loading the websites very quickly. This is possible with performance improving features, such as web farms, page caching and module caching.
- **Refined multi-user management** : DNN has a robust multi-user management system. The users of different groups can be assigned, custom roles and permissions. It also includes social features, such as photos and biographical information along with expanded user profiles. With DNN, one can easily set up social media communities for organizations.
- **Support for mobile websites** : DNN has a unique utility known as the DNN evoq that helps to design responsive websites using its wonderful mobile templates. A mobile preview reviewer takes up the guesswork, to experiment all possibilities, before going live.



# Comparison of DNN with other CMS

## DNN vs Wordpress

- DNN is more secure than WordPress
- It is often said that Wordpress is easier to use than DNN. However, this is really not the case
- The admin panel for DNN is built into the site with on page editing and drag and drop capabilities so its good for quick editing, additions and security.
- Wordpress does not offer implementation for .NET whereas DNN is the most widely adopted CMS for Microsoft .NET.
- Wordpress was originally developed as a blog platform and was never intended to be a CMS, so therefore does not include all the features you would find in a proper CMS.

# Comparison of DNN with other CMS

## DNN vs Joomla

- Joomla lacks some of the core functionality of DNN but does compensate for this by being highly customize with plug-ins available to bridge the core functionality gap.
- There are a huge number of customize templates available for Joomla, this can be seen as an advantage in terms of design, however many of these templates use very similar layouts and this can result in sites looking very similar. The 'skinning' feature in DNN separates content from design so, for building truly unique websites, DNN is superior.
- Again, DNN is easier to use with its in-page editing allowing quick and confident updates. Joomla admin is less user friendly and, like Wordpress, you have to log in to a separate area of the site to make content changes



# Comparison of DNN with other CMS

## DNN vs Drupal

- Drupal and DNN are both open source and free. Unlike DNN, there is no commercial version of Drupal and as such there is no direct support from Drupal. Support for Drupal would come from third party developers, which may not prove to be 100% reliable. DNN has both community support and support directly from DNN Corp.
- Another key difference is that Drupal is PHP based and runs mainly on Linux (also mostly open source) whereas DNN operates on the .NET framework and therefore benefits from the support, security and regular updates of Windows. In our opinion, DNN is a better bet for your business website than Drupal for support and security.





# Features of DNN

- **Multiple Programming Language Support (CSS, HTML, ASP.NET, C#, VB.NET, JS, etc.)** : Some topics may need to combine both HTML, CSS, and Javascript along with server-side code in the same space. In some cases, it may be desirable to show different approaches using the same language (for example, vanilla Javascript versus ES6).
- **Use of Third Party** : Comes with several modules built into the core. Hundreds of third party modules are available (free and commercial)
- **SEO** : While we aren't necessarily interested in "hitting #1 on Google", the intent here is to enable users to ask questions of Google and see the answers in the results. This is similar to when you search for "javascript array splice" on Google, you'll get the MDN (Mozilla Developer Network) documentation for the splice method on the array prototype.





# Features of DNN

- **Localizable** : Ability to be translated into other spoken languages
- **Role Based Security** : Manage and organize your site's permissions via user roles. Administrators can assign CMS authors to one or more user roles. Permissions on pages and modules can then be applied to particular roles.
- **Content Analytics** : Key Performance Metrics, Accessible on Each Page. Top-line metrics like page views, traffic sources, and time spent on page, are presented for each page.
- **Caching** : Faster load times because memory access is faster than disk access. It improves the performance.



# Which type of industry target for DNN

- **E-Commerce** : DNN platform is highly reliable, user-friendly, secure and excellently functional. These qualities of DotNetNuke make it a perfect e-commerce development technology for many. It allows the integration of the layers, skins and the modules for the development of unique e-commerce websites. It is because of its simple and reliable open-source framework, e-commerce owners find DNN a good choice for their online business.
- **Portfolio Application** : You can easily develop a portfolio website using DotNetNuke. With stunning sliders and galleries, it offers for a very refined user experience-driven online presence that will help your works to be easily browsed by others.
- **Education Sector** : There are many educational institutes, which maintain the informational clarity in front of its present and future students by using the DNN powers. A person who is not technology savvy also can easily browse through the different categories of the website, due to the perfectly-arranged navigation and visible labels.



# Which type of industry target for DNN

- **Multiple Portal Applications** : DotNetNuke is widely used by the websites, which act as a one-stop gateway to several portals and various services as well as products. Various customized modules and the skins available on this platform to help you in the creation of attractive and high functional websites. DNN assists you in presenting the most professional avatar of your company through the website.
- **Small Business Applications** : We can build all type of small and median business application and web portals using DNN , DNN provide free platform and open source for all small business, We can customize application based on client requirement.
- **Custom Applications** : As client required to manage content, roles and permission using admin itself. We can customize application based on client requirement. Custom Applications like Couriers , Flight , Traveling,Hotel, Transport,News,Stock exchange,Hospital, Holidays package and automobile application.



# Types of projects we delivered

- **Couriers Service provider:** Couriers is a courier company which is uniquely placed to service Australians through its independently owned franchisee fleet of couriers .Today, Couriers has grown into a leading parcel delivery expert with nationwide coverage across Australia.Most recently, Couriers launched its new International and Domestic Air services connecting our customers to over 220 countries.



# Types of projects we delivered

- **Video streaming** : This is a multi Portal website, It's developed in DNN CMS. this have many features such as: New Portal Creation, Upload Video Physical Files on Video Server, Play uploaded video in Flow Player, Create embed Video Player, Create a Play List Player, Create a Live Streaming Player. These embed players provided to third party users by WCF Services.



# Types of projects we delivered

- **Sensocivico** : SensoCivico is based on municipality located in country (Italy). User can register on website, once user register then user can login, register complaints and track the registered complaint status. Superuser can create manager for municipality and manage managers of municipalities and can view the real time information like statics of related to municipality, register complaints and resolved complaints.



# Types of projects we delivered

- **Sea hawk Services** : Seahawk Services works towards maintaining the highest standards of testing, surveying and consulting marine fuels. The facility contains a state of the art laboratory capable of serving the marine industry in all aspects of testing, including residual and distillate fuel, lubricant and hydraulic oil and water.





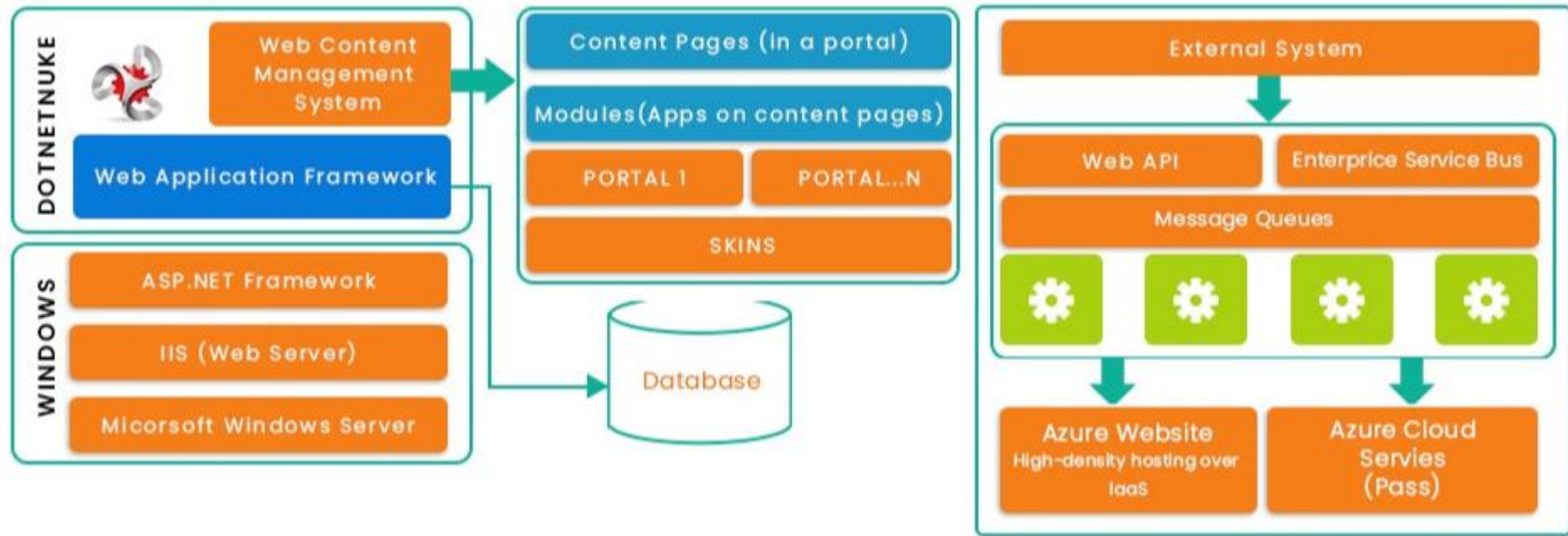
# Reference Architecture & Dependencies / pre requisites :

## DNN Technology Architecture :

- In the DNN Platform architecture, multiple sites can be created on top of a basic web application framework. Each site consists of multiple pages, each containing multiple mini-applications called modules that provide specific functionalities such as e-commerce.
- DNN ships with a SQL Server database provider.
- DNN supports three Data Access Layer (DAL) frameworks.
- The DNN Platform runs on the Microsoft web stack. It is equally at home on premises or in the cloud.
- DNN Evoq solutions are built on top of the DNN Platform using its many extensibility points.
- Evoq solutions take advantage of the many services provided by the DNN Platform, including deep integration with the security, membership, file management and content editing APIs.



# DNN Architecture



# Pre-requisite , Tools & Customization for DNN

Recommended Environment for DNN Platform 9.0 and DNN Evoq 9.0 :

- Supported Operating Systems : Windows 8 , Windows 8.1 , Windows 10, Windows Server 2008 R2 ,Windows Server 2012 R2 ,Windows Server 2016
- .NET Framework : 4.5.1+
- Web Server and IIS : Microsoft IIS 7.5, 8.0, 8.5, 10
- Database Server :MS SQL Server 2008 R2 , 2012 , 2014 ,2016 , MS Azure SQL, Express R2, , Web Server & Web Server R2.
- Browsers : Chrome, Firefox,IE 11 , Microsoft Edge, Safari for Mac
- Developer IDEs For creating modules: Visual Studio 2013 , 2015 , 2017

Supporting Tools : DNN has large scale support of third party tools and integration that helps to speed up the development work

- E-Commece , CMS
- Work flow & Document management
- NewLetter , faq
- Forum , social sharing
- Azure , AWS hosting support

