**Dot net Core Training**

**Training Duration**: 2 Days

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| **Topics** |

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| **.Net Core** |
| Introduction to .NET Core |
| Why .Net Core and Microsoft |
| .NET Core Features |
| .NET Core Framework Architecture |
| .NET Core 1.0 vs. .NET 4.5 |
| .NET Core Supports |
| Advantages of .NET Core |
| .NET Core Tooling Supports |
| .NET Future Innovation |
| .NET CLI |
| .Net core on MAC,Linux |
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| **ASP.NET Core** |
| Understanding ASP.NET Core |
| ASP.NET vs. MVC vs. ASP.NET Web Form vs. ASP.NET MVC vs. ASP.NET Core |
| Understand ASP.NET Core middleware |
| Understanding Model, View and Controller |
| Understanding Visual Studio ASP.NET Core Templates |
| Create/Configure an ASP.NET Core project |
| Understanding ASP.NET Core project folder structure |
| Handle errors in Asp.Net core |
| **Entity Framework Core** |
| What is ORM |
| ORMs used with .NET |
| Understanding Entity Framework |
| Data Modeling Approach |
| Choosing DB First, Model First or Code First |
| ASP.NET Core with JS Libraries and Framework |
| JS Libraries and Frameworks |
| JavaScript vs. jQuery vs, AngularJS |
| Overview of Angular JS |
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| **ASP.NET Web API** |
| What is REST |
| Understanding ASP.NET Web API |
| ASP.NET Web API VS WCF Rest VS Web Service |
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| **Implementing Dependency Injection** |
| Understanding Dependency Injection |
| Advantage of Dependency Injection |
| DI Container |
| Implementing DI using Unity Container |
| Unity framework |
| Overview of Gulp and Grunt |
| Depndency Injection using unity container |
| Use Dependency Injection in ASP.NET Core |

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| **Microservices** |
| What is microservices |
| Microservices and the .Net framework |
| Containers, VMs, self hosted |
| Principles of Microservices |
| Building .Net Microservices |
| Deployment overview with microservices |