Master Class: .Net 5 Technologies

Category: Software Development & Programming | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this training you will learn several important basic technologies of .NET 5. Modern CPUs have more and more processors, therefore developers have to master multithreading. APIs of libraries and services are increasingly asynchronous, async and await want to be applied correctly. Background processes run in worker services, for communication between processes we use new gRPC.

About This Course

- Architecture of .NET
- Functional Language Elements of C# (C# 7 to 9)
- Configuration of .NET applications
- Reflection and dynamic programming
- Multithreading und Parallel Framework
- Asynchronous programming (async and await)
- Security und Kryptographie
- Network programming
- Worker Services
- LINQ to XML
- Inter-process communication with gRPC (Google Remote Procedure Call)
- Unit Testing
- Regular Expressions

Who Should Attend

Software developers who want to develop projects on the .NET platform professionally and efficiently.

Prerequisites & Entry Requirements

General Prerequisites:

Master Class: C# Advanced (MSDEV03) or equivalent knowledge and skills

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Expand your knowledge of the fundamental .NET technologies.
- Be able to create more functional and efficient programs independently
- Immediate successful deployment of the additional .NET technologies

Detailed Course Outline

Architecture of .NET

Functional Language Elements of C# (C# 7 to 9)

Configuration of .NET applications

Reflection and dynamic programming

Multithreading and Parallel Framework

Asynchronous programming (async and await)

Security and Cryptography

Network programming

Worker Services

LINQ to XML

Inter-process communication with gRPC

Unit Testing

Regular Expressions

Skills You Will Learn:

- Expand your knowledge of the fundamental .NET technologies.
- Be able to create more functional and efficient programs independently
- Immediate successful deployment of the additional .NET technologies

Frequently Asked Questions

Q: What delivery options are available for Master Class: .Net 5 Technologies?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Master Class: .Net 5 Technologies course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Master Class: .Net 5 Technologies training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Master Class: .Net 5 Technologies?

Yes, we provide corporate training, dedicated training, and closed classes for Master Class: .Net 5 Technologies. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Master Class: .Net 5 Technologies, C#, MSDEV04

Q: Why choose Nexus Human for Master Class: .Net 5 Technologies?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Master Class: .Net 5 Technologies training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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