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Microsoft IT Academy Program



MICROSOFT CERTIFIED PROFESSIONAL DEVELOPER MCPD: Windows Developer (Microsoft Visual Studio 2005)

Si se dedica al desarrollo de aplicaciones .NET Framework 2.0 utilizando Visual Studio 2005, la nueva certificación MCPD (Microsoft Certified Professional Developer) le ofrecen un marco simple y enfocado para mostrar que posee las habilidades y conocimientos que Microsoft requiere.

Desde hoy puede destacar entre la multitud y acreditar el excelente nivel de la certificación de la mano de la propia multinacional.

Gracias a la credencial MCPD (Microsoft Certified Professional Developer) podrá destacar en su campo de trabajo, utilizando sus áreas específicas de especialización. Ahora podrá distinguirse sin problemas como experto en el desarrollo de Windows.

Contenidos:

Examen 70-536 - MCTS: Microsoft .NET Framework - Application Development Foundation

Developing applications that use system types and collections

- Manage data in a .NET Framework application by using .NET Framework system types.
- Manage a group of associated data in a .NET Framework application by using collections.
- Improve type safety and application performance in a .NET Framework application by using generic collections.
- Manage data in a .NET Framework application by using specialized collections.
- Implement .NET Framework interfaces to cause components to comply with standard contracts.
- Control interactions between .NET Framework application components by using events and delegates.

Implementing service processes, threading, and application domains in a .NET Framework application

- Implement, install, and control a service.
- Develop multithreaded .NET applications.
- Create a unit of isolation for common language runtime within a .NET Framework application by using application domains.

Embedding configuration, diagnostic, management, and installation features into a .NET Framework application

- Embed configuration management functionality into a .NET Framework application.
- Create a custom Microsoft Windows Installer for .NET components by using the System.Configuration.Install namespace, and configure .NET Framework applications by using configuration files, environment variables, and the .NET Framework Configuration tool (Mscorcfg.msc).
- Manage an event log by using the System.Diagnostics namespace.
- Manage system processes and monitor the performance of a .NET application by using the diagnostics functionality of the .NET Framework.
- Debug and trace a .NET Framework application by using the System.Diagnostics namespace.
- Embed management information and events into a .NET Framework application.

Implementing serialization and input/output functionality in a .NET Framework application

- Serialize or deserialize an object or an object graph by using runtime serialization techniques.
- Control the serialization of an object into XML format by using the System.Xml.Serialization namespace.
- Implement custom serialization formatting by using the Serialization Formatter classes.
- Access files and folders by using the File System classes.
- Manage byte streams by using Stream classes.
- Manage .NET Framework application data by using Reader and Writer classes.
- Compress or decompress stream information in a .NET Framework application and improve the security of application data by using isolated storage.

Improving the security of .NET Framework applications by using the .NET Framework security features

- Implement code access security to improve the security of a .NET Framework application.
- Implement access control by using the System.Security.AccessControl classes.

- Implement a custom authentication scheme by using the System.Security.Authentication classes.

Examen 70-526 - MCTS: Microsoft .NET Framework 2.0 - Windows-Based Client Development

Creating a UI for a Windows Forms application by using standard controls

- Add and configure a Windows Form.
- Manage control layout on a Windows Form.
- Add and configure a Windows Forms control.
- Create and configure menus.
- Create event handlers for Windows Forms and controls.
- Use the Windows Forms Designer to create event handlers.

Integrating data in a Windows Forms application

- Implement data-bound controls.
- Manage connections and transactions.
- Create, add, delete, and edit data in a connected environment.
- Create, add, delete, and edit data in a disconnected environment.
- Manage XML with the XML Document Object Model (DOM).
- Read, write, and validate XML by using the XmlReader class and the XmlWriter class.

Implementing printing and reporting functionality in a Windows Forms application

- Manage the print process by using print dialogs.
- Construct print documents.
- Create a customized PrintPreview component.

Enhancing usability

- Perform drag-and-drop operations.
- Implement globalization and localization for a Windows Forms application.
- Implement accessibility features.
- Create and configure multiple-document interface (MDI) forms.
- Create, configure, and customize user assistance controls and components.
- Persist Windows Forms application settings between sessions.

Implementing asynchronous programming techniques to improve the user experience

- Manage a background process by using the BackgroundWorker component.
- Implement an asynchronous method.

Developing Windows Forms controls

- Create a composite Windows Forms control.
- Create a custom Windows Forms control by inheriting from the control class.
- Create an extended control by inheriting from an existing Windows Forms control.

Configuring and deploying applications

- Configure the installation of a Windows Forms application by using ClickOnce technology.
 - Create a Windows Forms setup application.
 - Add functionality to a Windows Forms setup application.
- e estilo XSLT

Exam 70-548 - PRO: Designing and Developing Windows-Based Applications by Using the Microsoft .NET Framework

Envisioning and Designing an Application

- Evaluate the technical feasibility of an application design concept.
- Create a proof-of-concept prototype.
- Evaluate the technical specifications for an application to ensure that the business requirements are met.
- Evaluate the design of a database.
- Evaluate the logical design of an application.
- Evaluate the physical design of an application. Considerations include the design of the project structure, the number of files, the number of assemblies, and the location of these resources on the server.

Designing and Developing a User Interface

- Choose an appropriate layout for the visual interface.
- Evaluate a strategy for implementing a common layout throughout the UI.
- Choose an appropriate control based on design specifications.
- Choose an appropriate data validation method at the UI layer.
- Choose appropriate user assistance and application status feedback techniques.

Designing and Developing a Component

- Establish the required characteristics of a component.
- Create the high-level design of a component.
- Develop the public API of a component.
- Develop the features of a component.
- Develop an exception handling mechanism.
- Develop the data access and data handling features of a component.

- Develop a component to include profiling requirements.
- Designing and Developing an Application Framework**
- Consume a reusable software component.
 - Choose an appropriate exception handling mechanism.
 - Choose an appropriate implementation approach for the application design logic.
 - Choose an appropriate event logging method for the application.
 - Monitor specific characteristics or aspects of an application.
 - Evaluate the application configuration architecture.

Testing and Stabilizing an Application

- Perform a code review.
- Evaluate the testing strategy.
- Design a unit test.
- Resolve a bug.

Deploying and Supporting an Application

- Evaluate the performance of an application that is based on the performance analysis strategy.
- Analyze the data received when monitoring an application.
- Evaluate the deployment plan.
- Create an application flow-logic diagram.
- Validate the production configuration environment.

Required Exams for MCPD: Windows Developer (Three Exams Required)	Classroom Training	Microsoft E-Learning
Exam 70-536 : TS: Microsoft .NET Framework 2.0 – Application Development Foundation	There are no Official Microsoft Learning Products currently available.	Collection 2956 will now be offered as two Collections: 5160, 5161
Exam 70-526 : TS: Microsoft .NET Framework 2.0 – Windows-Based Client Development	Workshop 2546, 2542, 2547, 2541	Collection 2546, 2547, 2541, 2542
Exam 70-548 : PRO: Designing and Developing Windows-Based Applications by Using the Microsoft .NET Framework		

Preguntas Frecuentes

¿Para qué trabajo me habilita?

Habilita para implementar, construir, resolver problemas y depurar en las más recientes Tecnologías de Desarrollo .NET 2005 de Microsoft. Las certificaciones Microsoft acreditan sus conocimientos y experiencias y garantizan que se mantiene competitivo en el siempre cambiante entorno empresarial actual.

¿Quiénes pueden acceder?

El desarrollo de la Certificación supone conocimientos previos de metodología de la programación y/o conocimientos básicos de programación en lenguajes como Visual Basic, C# o Java.

¿Cómo se cursa el curso?

Se cursa presencial con prácticas, exámenes por modulo ó unidad para evaluar conocimientos. Cuando finaliza cada parte orientada al examen se efectuará el mismo con PROMETRIC.

¿Se cuenta con materiales de estudio?

Se entregara la documentación MOC Oficial de Microsoft por escrito perteneciente a dichos cursos. Además cada alumno recibe en su primera clase un User ID que le permiten acceder, a través de Internet, a la plataforma de elearning oficial de Microsoft. Por medio de este sistema accede a los contenidos por Internet, apuntes y documentación en formato electrónico de los cursos relacionados y activos por la multinacional.

¿Hay exámenes?

Los únicos exámenes obligatorios son los exámenes de PROMETRIC, con los cuales se obtiene la certificación. Hay 3.

¿En qué idioma se desarrolla la Certificación?

Las clases se desarrollan en Español, el material de estudio se encuentra en Ingles, todos los exámenes de Prometric actualmente en inglés y según el módulo pueden encontrarse algunos en español.

¿Qué certificación se recibe?

Al finalizar el modulo se entregará el correspondiente certificado de asistencia de Microsoft avalado por Microsoft Ibérica y el centro de formación Cenec Málaga. Una vez aprobado los exámenes de PROMETRIC obtendrá la certificación MCPD: Windows Developer.

ESTA CERTIFICACION ES LA MÁS COMPLETA A NIVEL PROFESIONAL PARA LA NUEVA GENERACION DE CERTIFICACIONES DE MICROSOFT DISEÑADA EN EXCLUSIVA PARA DESARROLLADORES.