



Les certifications Microsoft *pour les étudiants*

Christopher Maneu
Microsoft Student Partner

GET ON THE BUS

?

The bus tour



MILAN : ZURICH : PARIS : LONDON : BRUSSELS : AMSTERDAM : FRANKFURT : MUNICH : VIENNA : PRAGUE : BERLIN : BUDAPEST



**Mais pourquoi
parler
des certifications ?**



Les compétences d'aujourd'hui...



...seront-elles celles demandées
dans 5 ans ?



Examens professionnels
attestant de la maîtrise d'une
technologie ou d'un produit.



250

Certifications Microsoft IT, Dev et Dynamics

Examens développement .net



Trois .NET Framework 3.5 MCPD

1. Windows Developer 3.5
2. ASP.NET Developer 3.5
3. Enterprise Application Developer 3.5



Six .NET Framework 3.5 MCTS

1. Windows Forms Applications
2. ASP.NET Applications
3. Windows Communication Foundation Applications
4. Windows Presentation Foundation Applications
5. Windows Workflow Foundation Applications
6. . ADO.NET Applications

Examens Infrastructure



Microsoft
CERTIFIED
IT Professional



Microsoft
CERTIFIED
Technology Specialist

Des MCITP

1. Server Administrator
2. Enterprise Administrator
3. 3 MCITP “support”
4. 6 MCITP SQL Server
5. MCITP Messaging (Exchange)
6. MCITP Microsoft Project

De nombreux MCTS

Active Directory, Network Infrastructure, Windows Vista, Windows 7, Virtualisation, Exchange, Sharepoint

VISUAL STUDIO 2008 :

Technology Specialist Certification Paths



.NET Framework 3.5,
Windows Presentation
Foundation Applications

Exams :

- 70-536:** TS: Microsoft .NET Framework, Application Development Foundation
70-502: TS: Microsoft .NET Framework 3.5, Windows Presentation Foundation Application Development

Courses :

- 2956: Core Foundations of Microsoft .NET 2.0 Development (three days)
2957: Advanced Foundations of Microsoft .NET 2.0 Development (three days)
6460 : Visual Studio 2008: Windows Presentation Foundation (three days)



.NET Framework 3.5,
Windows Communication
Foundation Applications

Exams :

- 70-536:** TS: Microsoft .NET Framework, Application Development Foundation
70-503: TS: Microsoft .NET Framework 3.5, Windows Communication Foundation Application Development

Courses :

- 2956: Core Foundations of Microsoft .NET 2.0 Development (three days)
2957: Advanced Foundations of Microsoft .NET 2.0 Development (three days)
6461 : Windows Communication Foundation (three days)



.NET Framework 3.5,
Windows Workflow
Foundation Applications

Exams :

- 70-536:** TS: Microsoft .NET Framework, Application Development Foundation
70-504: TS: Microsoft .NET Framework 3.5, Windows Workflow Foundation Application Development

Courses :

- 2956: Core Foundations of Microsoft .NET 2.0 Development (three days)
2957: Advanced Foundations of Microsoft .NET 2.0 Development (three days)
6462 : Visual Studio 2008: Windows Workflow Foundation (two days)



.NET Framework 3.5,
Windows Forms Applications

Exams :

- 70-536:** TS: Microsoft .NET Framework, Application Development Foundation
70-505: TS: Microsoft .NET Framework 3.5, Windows Forms Application Development

Courses :

- 2956: Core Foundations of Microsoft .NET 2.0 Development (three days)
2957: Advanced Foundations of Microsoft .NET 2.0 Development (three days)
2541: Core Data Access with Microsoft Visual Studio 2005 (three days)



.NET Framework 3.5,
ADO.NET Applications

Exams :

- 70-536:** TS: Microsoft .NET Framework, Application Development Foundation
70-561: TS: Microsoft .NET Framework 3.5, ADO.NET Application Development

Courses :

- 2956: Core Foundations of Microsoft .NET 2.0 Development (three days)
2957: Advanced Foundations of Microsoft .NET 2.0 Development (three days)
6463 : Visual Studio 2008: ADO.NET 3.5 (two days)



.NET Framework 3.5,
ASP.NET Applications

Exams :

- 70-536:** TS: Microsoft .NET Framework, Application Development Foundation
70-562: TS: Microsoft .NET Framework 3.5, ASP.NET Application Development

Courses :

- 2956: Core Foundations of Microsoft .NET 2.0 Development (three days)
2957: Advanced Foundations of Microsoft .NET 2.0 Development (three days)
6463: Visual Studio 2008: ASP.NET 3.5 (two days)

VISUAL STUDIO 2008 : Professional Developer Certification Paths

Microsoft
CERTIFIED
*Technology
Specialist*

.NET Framework 3.5,
Windows Forms Applications

Exams :

70-536: TS: Microsoft .NET Framework, Application Development Foundation

70-505: TS: Microsoft .NET Framework 3.5, Windows Forms Application Development



Microsoft
CERTIFIED
*Professional
Developer*

Windows Developer 3.5

Exam 70-563: PRO: Designing and Developing Windows Applications using Microsoft .NET Framework 3.5

Microsoft
CERTIFIED
*Technology
Specialist*

.NET Framework 3.5,
ASP.NET Applications

Exams :

70-536: TS: Microsoft .NET Framework, Application Development Foundation

70-562: TS: Microsoft .NET Framework 3.5, ASP.NET Application Development



Microsoft
CERTIFIED
*Professional
Developer*

ASP .NET Developer 3.5

Exam 70-564: PRO: Designing and Developing ASP.NET Applications using Microsoft .NET Framework 3.5

Microsoft
CERTIFIED
*Technology
Specialist*

.NET Framework 3.5,
Windows Forms
Applications

Microsoft
CERTIFIED
*Technology
Specialist*

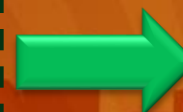
.NET Framework 3.5,
ADO.NET Applications

Microsoft
CERTIFIED
*Technology
Specialist*

.NET Framework 3.5,
Windows Communication
Foundation Applications

Microsoft
CERTIFIED
*Technology
Specialist*

.NET Framework 3.5,
ASP.NET Applications



Microsoft
CERTIFIED
*Professional
Developer*

Enterprise Application
Developer 3.5

Exam 70-565: PRO: Designing and Developing Enterprise Applications using Microsoft .NET Framework 3.5



Software Branching Items

C#

Question

You need to create a method to clear a Queue named q.

Which code segment should you use?

- ☐ A.

```
foreach (object e in q) {  
    q.Dequeue ();  
}
```
- ☐ B.

```
foreach (object e in q) {  
    Enqueue (null);  
}
```
- ☐ C.

```
q.Clear ();
```
- ☐ D.

```
q.Dequeue ();
```

Question

You need to create a method to clear a Queue named q.

Which code segment should you use?

- ☐ A.

```
for each (Object^ e in q) {  
    q.Dequeue ();  
}
```
- ☐ B.

```
for each (Object^ e in q) {  
    q.Enqueue (0);  
}
```
- ☐ C.

```
q.Clear ();
```
- ☐ D.

```
q.Dequeue ();
```

VB

Question

You need to create a method to clear a Queue named q.

Which code segment should you use?

- ☐ A.

```
Dim e As Object  
For Each e In q  
    q.Dequeue ()  
Next
```
- ☐ B.

```
Dim e As Object  
For Each e In q  
    q.Enqueue (Nothing)  
Next
```
- ☐ C.

```
q.Clear ()
```
- ☐ D.

```
q.Dequeue ()
```

Drag & Drop Example Item

Question

You are the network administrator for your company. The network consists of a single Active Directory domain.

You add a Windows Server 2003 computer to the domain. This server is used to store critical business applications and confidential data. You create several local accounts on the server to manage the applications.

Some users report that they are having difficulty accessing an application that is stored on the server. The application uses local accounts.

You need to enable auditing to track all attempts to access the server through a local account in order to gather more information. You must not track more data than is necessary.

What should you do?

To answer, drag the appropriate setting or settings to the correct policy or policies in the work area.

Settings

- 1 auditing
- 2 access
- 3 failure
- 4 access and failure

Work Area

Policy	Setting
Audit account logon events	A <i>Setting</i>
Audit account management	B
Audit directory service access	C <i>Setting</i>
Audit logon events	D <i>Setting</i>

Case Study Example Item

Question

All Information

Background

Existing Environment

Business Requirements

Technical Requirements

Case Study Exhibits

Coho Vineyard & Winery

You are designing the test plan for the new SQL Server 2005 solution. You need to ...

perform the testing.

Which action or actions should you include in the test plan? (Choose all that apply.)

☐ A. Test access ...

☐ B. Test access ...

☐ C. Test for direct ...

☐ D. Test access ...

☐ E. Perform all ...

Business Requirements

Question

All Information

Background

Existing Environment

Business Requirements

Technical Requirements

Case Study Exhibits

Coho Vineyard & Winery

General Application Solution Requirements

All inventory databases at the company locations must have an identical database schema. All servers will share a common data set for lookup tables, but the database at the winery and each database at the retail stores will contain independent, nonreplicated inventory data.

Inventory data is exported to independent wine distributors in an XML format. Distributors sometimes fail to import this data within a reasonable time, which results in inventory problems. In these situations, distributors often report that the XML data was improperly formatted. The application must retain all exported XML data so that the data can be examined for errors at any time.

All application reports will be created by using SQL Server Reporting Services (SSRS). Complex business rules control which data appears in each report, but the reporting infrastructure must not make ad hoc queries against the database when processing these rules. One planned new report will show the inventory from all stores in a single, consolidated report.

Store managers must immediately receive low-inventory warnings whenever the inventory of any product falls below 10 units. In addition, products whose inventory falls below a specified threshold must immediately be excluded from the exported XML data that is sent to distributors. This inventory threshold is specified in a database table. The inventory table currently contains a bit column. If this bit column is set to zero for a product, the product is excluded from the exported data. Currently this column is not updated consistently as inventory changes. It must be updated consistently.

Instructions Calculator

Technical Requirements

Question

All Information

Background

Existing Environment

Business Requirements

Technical Requirements

Case Study Exhibits

Coho Vineyard & Winery

Security

All access to data must be controlled by SQL Server database objects. Client applications cannot be relied upon to properly implement security.

Maintainability

The company has an existing workflow process for making application code changes. After a peer review and testing process, the release manager physically releases or deploys new code.

All business logic must be implemented by code or objects that are contained within the SQL Server database servers or executed on the SQL Server database servers.

Interoperability

A separate legacy database connects to a weather-monitoring system at the vineyard. This database is accessible through Open Database Connectivity (ODBC), but the data is in a difficult-to-use format. The revised database application must periodically copy this weather-monitoring data into a new, easier-to-use table structure within the SQL Server database. This new table structure has already been defined.

Catalog data from suppliers of bottles, corks, and labels is updated frequently. This data is in a simple comma-separated values (CSV) format and needs to be imported into the SQL Server database. Rows that cause an error should be logged to a table for review.

Instructions Calculator

Build List Example Item

Question

You are creating a Microsoft Office SharePoint Portal Server 2003 solution for the human resources (HR) department of an organization. Employees are assigned job roles that are stored as attributes in Microsoft Active Directory® directory service. Administrators must be able to target content to employees based on their roles.

You need to ensure that content can be targeted to the appropriate employees.

What should you do?

To answer, move the appropriate actions from the list of recommendations to the recommendations area and arrange them in the correct order.

Possible Actions

- A:
Create an area for each job role.
- B:
Create an audience for each job role.
- C:
Create an Active Directory group for each job role.
- D:
Target the content to the specific audiences.
- E:
Target the content to the specific areas.
- F:
Create audience rules that specify the content for the specific job role.

Complete Solution

Hot Area Example Item

Question

You are a network administrator for your company. The network consists of a single Active Directory domain. The network contains a Windows Server 2003 computer named Server1 that functions as a file server.

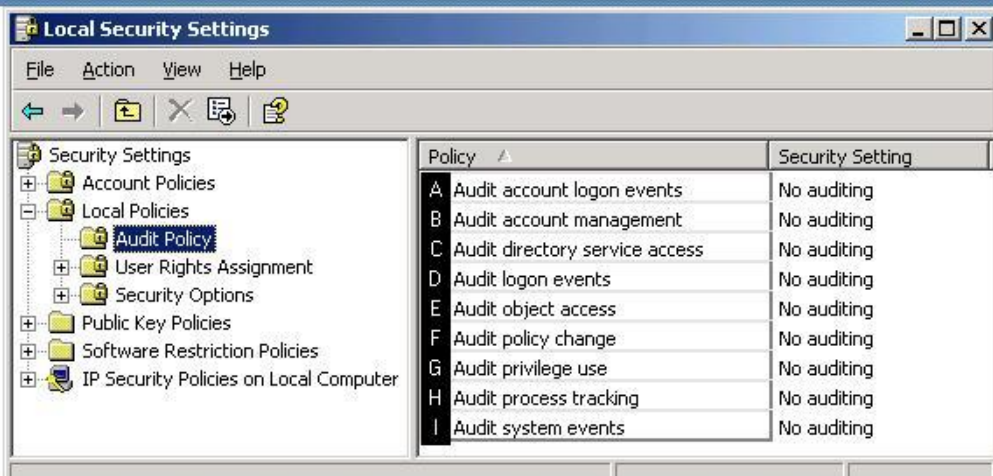
Server1 contains a folder named PayrollData. Users in the payroll department report that confidential files were deleted. The manager of the payroll department asks you to enable auditing on the PayrollData folder.

You need to configure the Local Security Policy of Server1.

Which audit policy should you configure?

To answer, select the appropriate policy in the work area.

Local Security Policy



Example Simulation Item

Question

You are a database administrator for your company.

You need to configure access to the database named **SQL1** for a login named **SalesReports**. The only access granted to this login must be to read data within the schema named **Schema2**, including objects that already exist and objects that might be created in the future. The **SalesReports** login must not have any access to any other objects.

While completing this task, you must adhere to the following business rules.

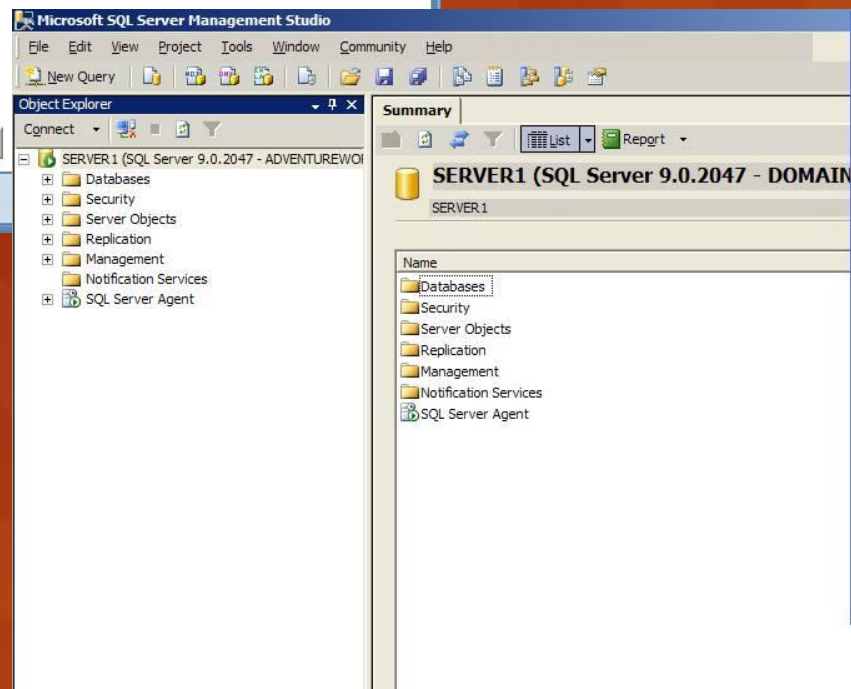
- Permissions must be assigned directly to users.
- Any users that are mapped to logins must have the same name as the login to which they are mapped.

You must grant the **SalesReports** login the required access by using the **Database User - New** dialog box within SQL Server Management Studio (SSMS).

Simulation

Instructions

Calculator



Question

You are a database administrator for your company. A SQL Server login named Tom is used only within the **AdventureWorks** database.

A new company security policy is being implemented. This new policy states that SQL Server Authentication cannot be used. In preparation for implementation of the policy, you must remove the Tom login.

The new policy states that users associated with SQL Server logins must be removed, and the ownership of anything that is owned by these users must be transferred to **dbo**.

You need to remove the Tom login by using SQL Server Management Studio (SSMS).

Perform the appropriate actions in the simulation. When you are finished, click **Done**.

Done

Reset

Help

☐ Mark Incomplete

This window can be resized.

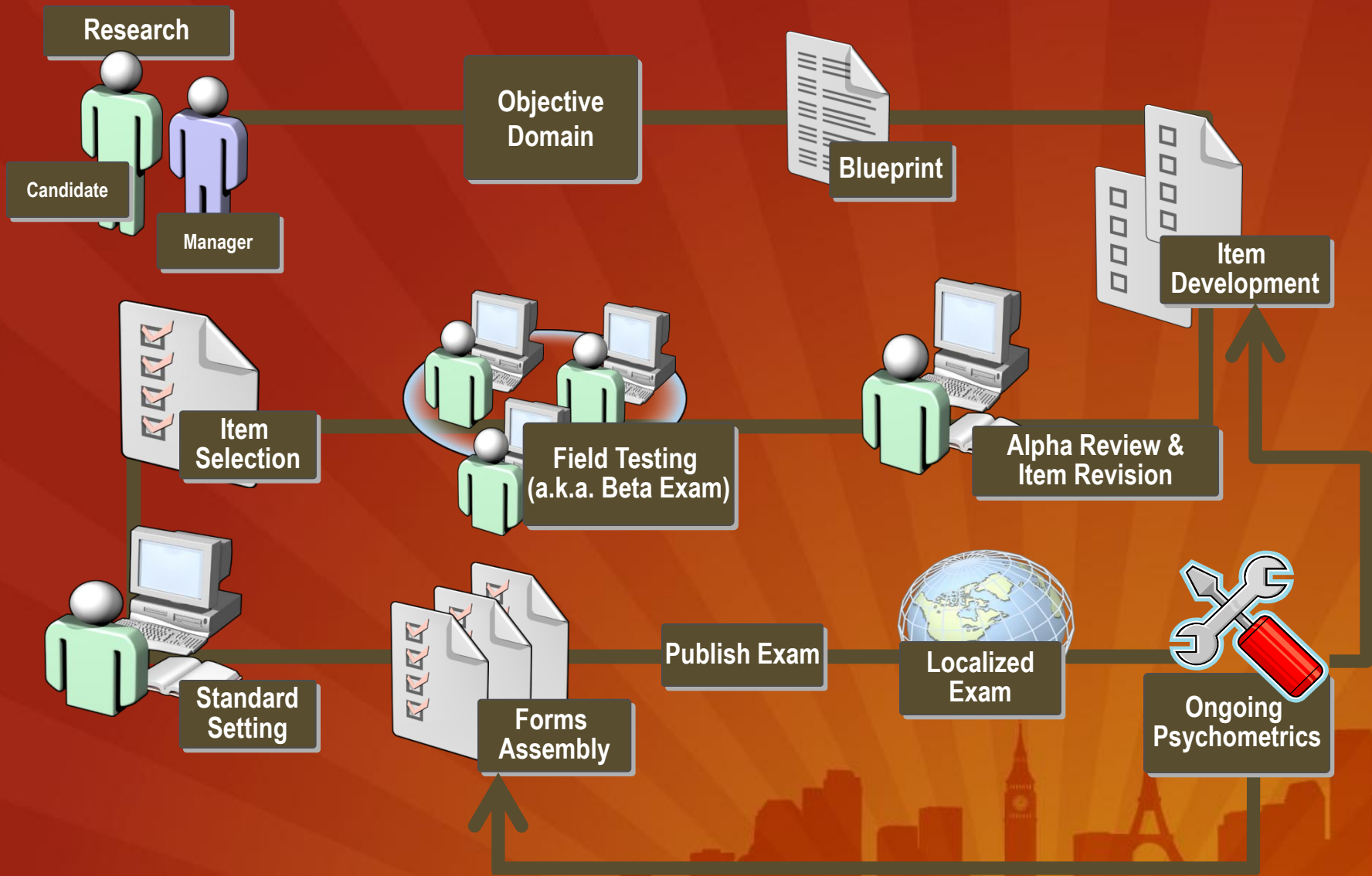
Newest performance based items

- Virtual Labs

Avertissement

Le prochain slide peut heurter votre sensibilité.

La création des examens



Avez-vous réellement passé l'examen ?

Tous les examens sont coefficientés

Facilité de communication

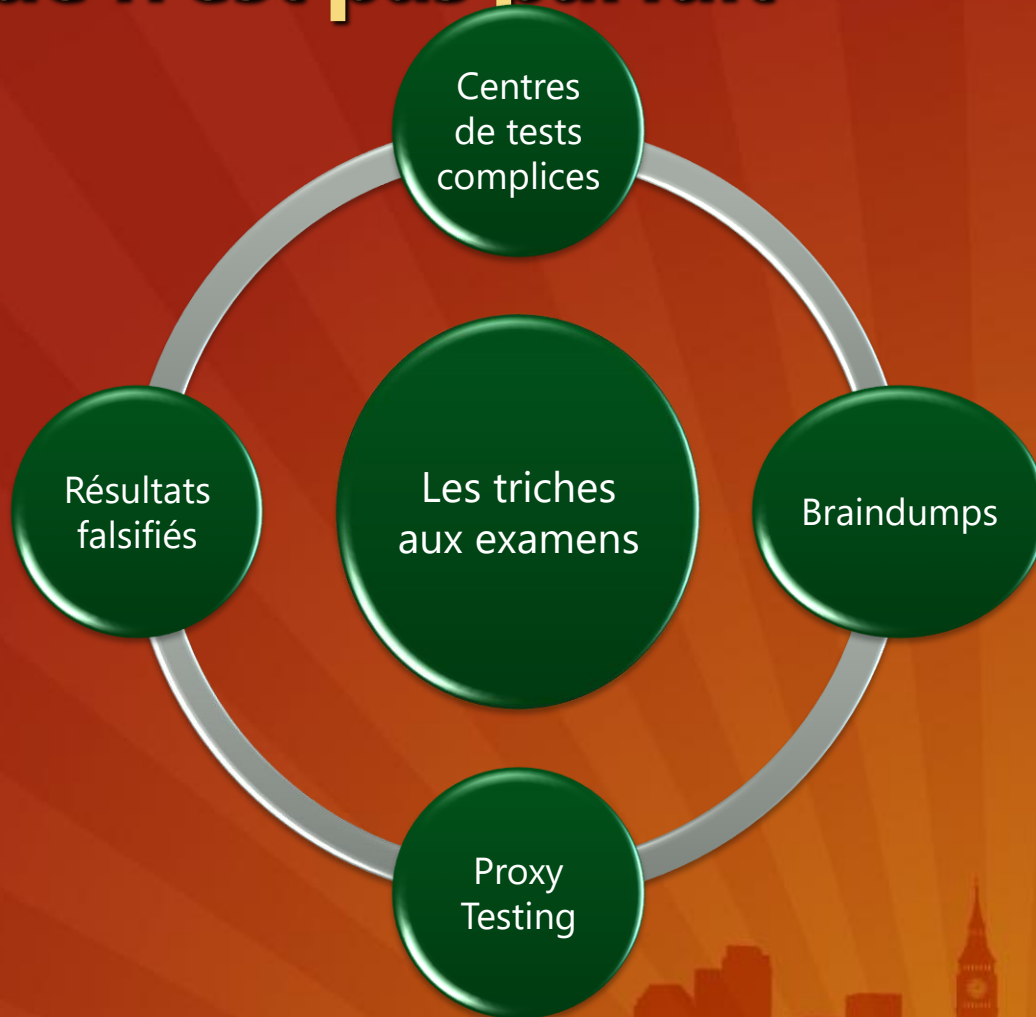
"700 est LE score de passage."

$700 \neq 70\%$

- Le nombre de questions à répondre pour réussir l'examen varie d'un examen à l'autre
- Ajustement basé sur les retours des beta-tests, les minimums et la difficulté d'un pool de questions

Mais.....

Le monde n'est pas parfait



Pourquoi se certifier ?



Pourquoi se certifier ?

- Rester à la pointe de la technologie
- Invitations à des événements/conférences
- Un gros plus sur votre CV
- Une augmentation ?

Différenciez-vous sur le marché du travail



Négociez un meilleur poste
Ou des avantages financiers



Quand une partie de l'équipe est certifiée
l'équipe progresse de 35 à 45%



L'entreprise y gagne

**des arguments
commerciaux**

ainsi que des possibilités de

**partenariats avec
Microsoft**



Comment se préparer

au passage d'une certification ?



Lire le blueprint

Overview

Skills Measured

Preparation Materials

Community

Skills Being Measured

This exam measures your ability to accomplish the technical tasks listed below.

The percentages indicate the relative weight of each major topic area on the exam.

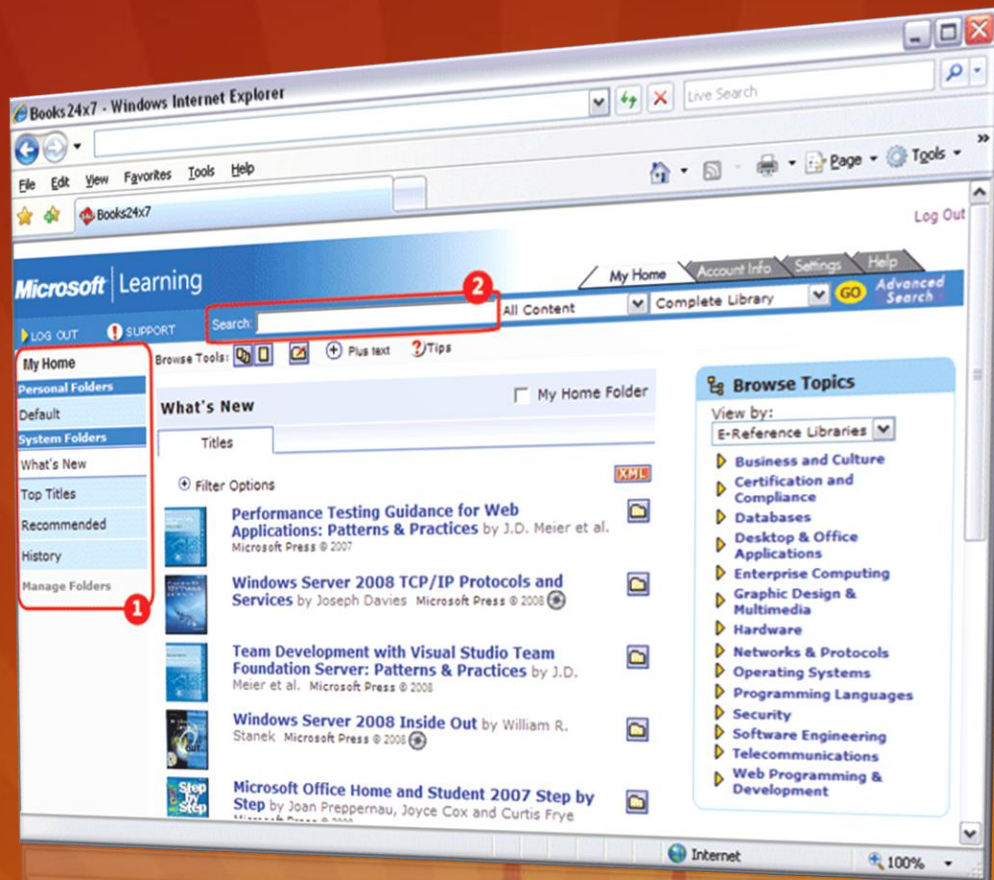
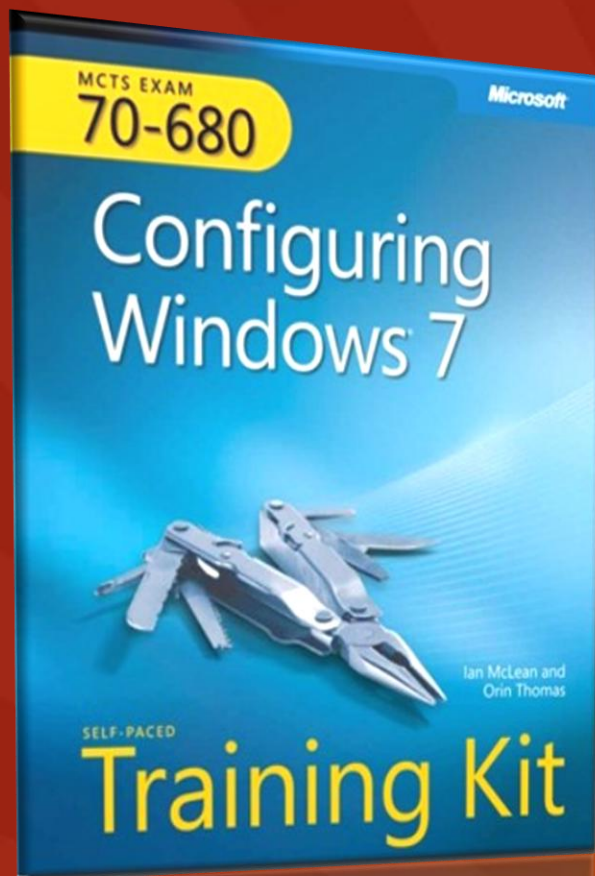
Installing, Upgrading, and Migrating to Windows 7 (14 percent)

- Perform a clean installation.
 - This objective may include but is not limited to: identifying hardware requirements; setting up as the sole operating system; setting up as dual boot; installation methods; boot from the source of installation, preparing the installation source: USB, CD, network share, WDS
- Upgrade to Windows 7 from previous versions of Windows.
 - This objective may include but is not limited to: upgrading from Windows Vista; migrating from Windows XP; upgrading from one edition of Windows 7 to another edition of Windows 7
- Migrate user profiles.
 - This objective may include but is not limited to: migrating from one machine to another; migrating from previous versions of Windows; side-by-side vs. wipe and load

Deploying Windows 7 (13 percent)

- Capture a system image.
 - This objective may include but is not limited to: preparing system for capture; creating a WIM file; automated capture; manual capture
- Prepare a system image for deployment.
 - This objective may include but is not limited to: inserting an application into a system image; inserting a driver into a system image; inserting an update into a system image; configuring tasks to run after deployment
- Deploy a system image.
 - This objective may include but is not limited to: automated deployment methods; manually deploying a customized image

Les bouquins Microsoft Press



Les e-learning

Microsoft eLearning - Microsoft Internet Explorer

Novinky v aplikaci Microsoft® Office Word 2007

Microsoft Learning

Obsah Zázločka Poznámky Návod Vyhledat POTVRDIT Rozšířené hledání

☐ Přehled kurzu

- ☐ Navigace – přehled
- ☐ Informace o kurzu

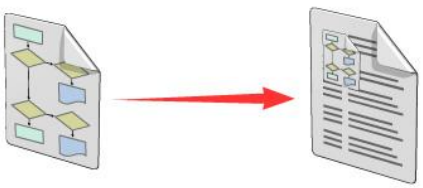
☐ Novinky v aplikaci Microsoft Office Word 2007

- ☐ Seznámení s novým rozhraním Fluent
- ☐ Vytváření dokumentů profesionálního vzhledu
- ☒ Revize a příprava konečné verze dokumentů
- ☐ Shrnutí modulu

☐ Glossář

Revize a příprava konečné verze dokumentů

Co jsou pracovní postupy?



Zobrazit přepis

V aplikaci Word 2007 je možné zahájit pracovní postup, který slouží ke schválení dokumentu nebo správě obsahu. Pracovní postupy pomáhají zajistit, aby byly důsledně provedeny všechny stanovené kroky v procesu správy dokumentu. Jestliže je k dokumentu přiřazen pracovní postup, zobrazí se v horní části dokumentu.

Ve schvalovacím pracovním postupu platí, že každý další krok postupu může začít pouze po dokončení předchozího kroku. Řekněme například, že jste odeslali vyúčtování pracovní cesty svému nadřízenému. Ten vaše vyúčtování schválí a poté ho odešle vedení firmy k dalšímu schválení.

V rámci pracovního postupu pro získání zpětné vazby lze kroky procesu správy dokumentů provádět současně. Svůj dokument můžete například odeslat ke

Poznámky

Zde zadejte text poznámky.

Úvod Vyzkoušejte se

Předchozí Další

Les classroom courses

- Des formations professionnelles inter/intra
- 1500-2500€ les 3 jours
- Entre 2 et 30 jours selon le cursus



Deux communautés

- Dotnet-France
- MSIT-France
- Les laboratoires SUPINFO
 - .net
 - Microsoft

- <http://www.microsoft.com/learning/en/us/start/start-career-student.aspx>



S'entraîner, s'entraîner, s'entraîner





A vous
de jouer !

Microsoft®

Your potential. Our passion.™

Microsoft®

Your potential. Our passion.™

Questions & Answers

The Employability Opportunity



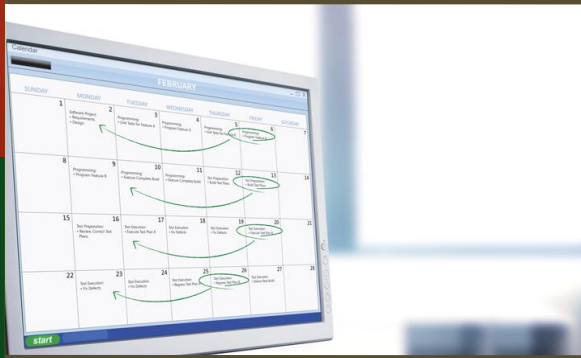
E-le

Taking Skills Development Further

Microsoft Certification recognizes and validates real-world IT skills, supports the certified community by providing access to unique resources, and offers a life-long career path of IT skills development

RELEVANCE

Microsoft Certification reflects and validates real-world skills



JOURNEY

Microsoft Certification adds value for job seekers, new and advanced skill building and upward career growth



COMMUNITY

Microsoft Certification enhances relationships with Microsoft and IT peers



Relevance

REAL WORLD PERFORMANCE

Certification drives effective use of technology, improving the professional performance of IT professionals, developers and information workers.



Microsoft Certifications have been proven to increase an individual's efficiency in their job roles

27%

PROOF POINT NO. 139

Of IT managers see employee skills as the #1 factor for project success

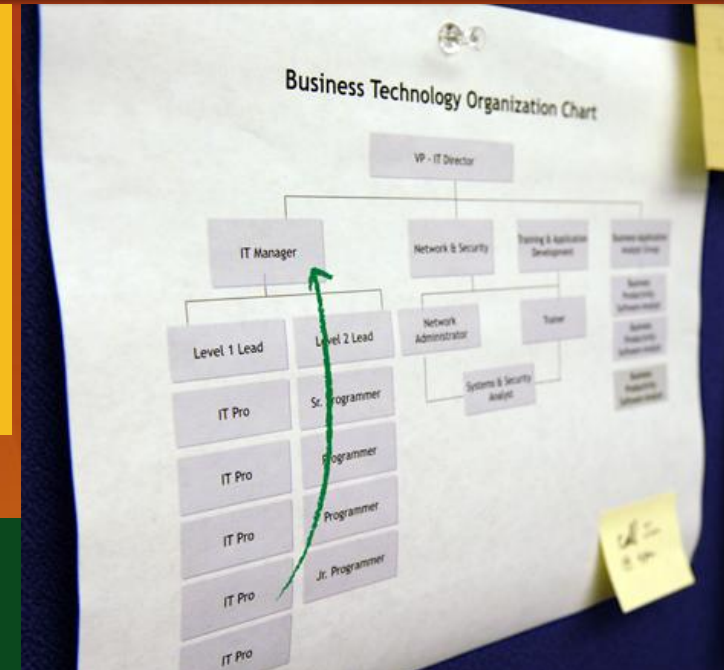
Journey

CERTIFICATION & YOUR CAREER PATH

Microsoft certification adds value across all stages of an individual's career path, so it is valuable for job seekers, new and advanced skill building and upward career growth.

Microsoft Certifications are relevant across all stages of an individual's career, helping technology professionals keep jobs.

Microsoft Certifications enable individuals to demonstrate their individual progression and grasp of the latest technologies.



40%

PROOF POINT NO. 139

Of certified professionals credit certification for helping them land a job or promotion

Hiring Manager Perspective

BENCHMARK FOR HIRING

Microsoft Certification helps improve organizational performance – getting your staff Microsoft Certified will support IT staff retention and motivation to improve

To achieve “top tier” performance, organizations must ensure that 45–65% of their teams receive Microsoft Certifications



55%

PROOF POINT NO. 124

Of hiring managers consider employee certification as criterion for hiring.

57%

PROOF POINT NO. 139

Of hiring managers consider employee certification as criterion for promotion.

63%

PROOF POINT NO. 62

Of managers feel certified professionals are more productive than their peers.

Community

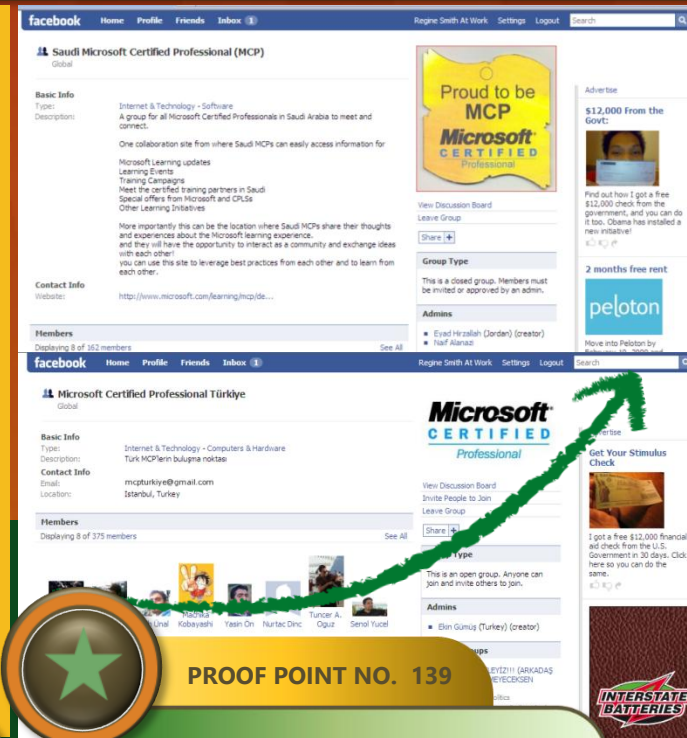
BUILD CONNECTIONS

Microsoft Certification enhances relationships with peers by fostering relationships among the community of certified professionals.

Participate in monthly live meetings to discuss and share insight on certification

Microsoft Certified Professionals (MCPs) share an ongoing connection through Microsoft-sponsored events, local user groups, and online forums

Microsoft recognizes the contributions of its certified community by providing exclusive benefits only to certified professionals



PROOF POINT NO. 119

More than a million hits per month on the Microsoft community blog

93%

PROOF POINT NO. 14

Of MCP Live meeting participants find value in assembling as a community

PROOF POINT NO. 139

There are more than 2.3 million Microsoft Certified Professionals

The Breadth of Microsoft Certification

BROAD AND DEEP ENGAGEMENT

Microsoft Certifications are relevant to wide range of technologies across the entire spectrum of technical careers – for entry level workers to seasoned professionals who have advanced in their careers many times.



Architect Series: The Certified Architect program makes it easy for companies to identify experienced IT architects who have completed a rigorous peer review process.

Master Series: Master certifications identify individuals with the deepest technical skills available on a particular Microsoft product.

Professional Series: Professional certifications validate a comprehensive and current set of skills required to be successful on the job.

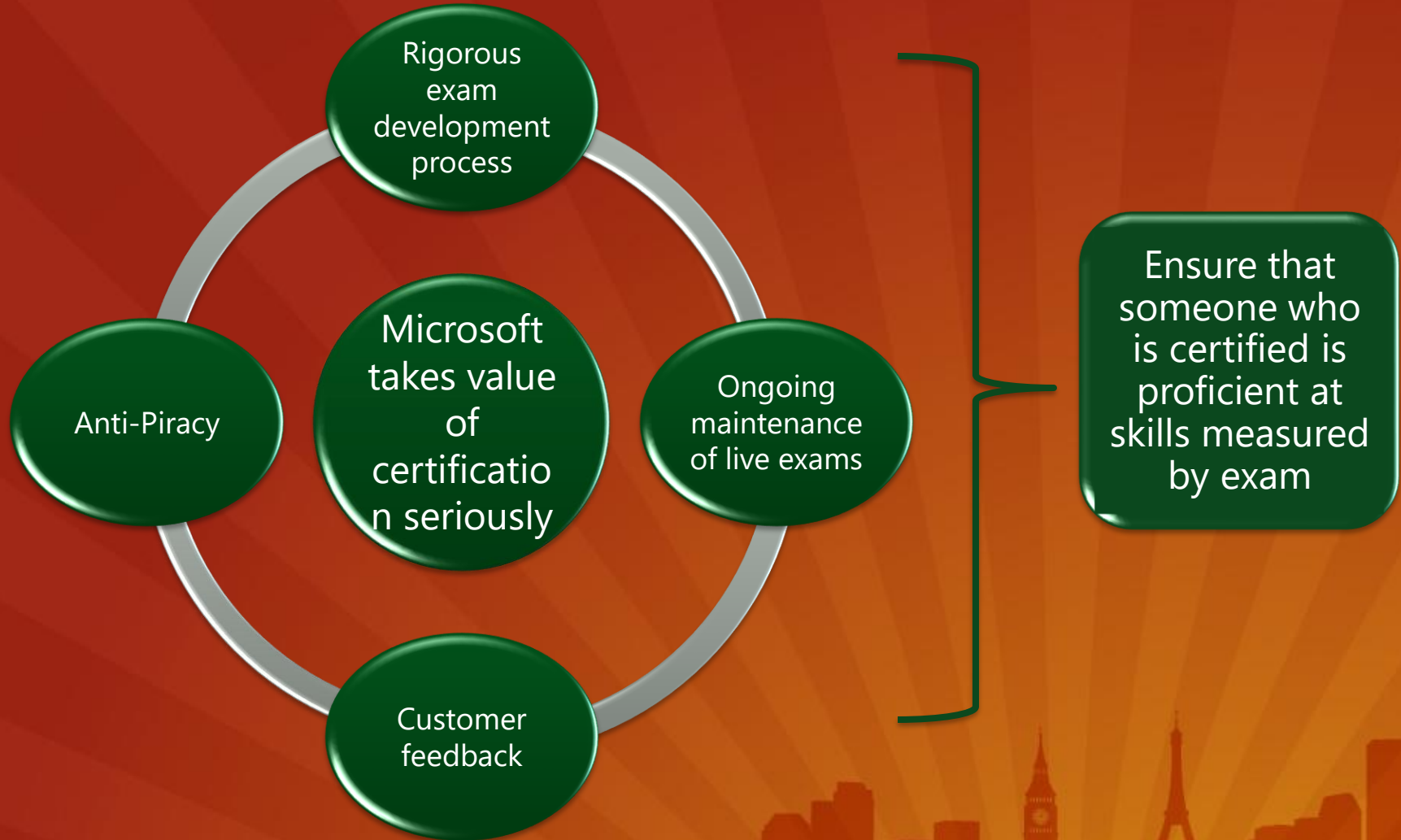
Technology Series: Targeted certifications let you showcase your in-depth knowledge and technical skills on specific Microsoft technologies.



Inside Microsoft Certification Exams

Liberty Munson, Psychometrician

Value of certification



What To Expect & How to Prepare

The exams

- Test real-world product skills
- Combination of:
 - Multiple choice
 - Interactive
 - Performance based
- 40 - 60 questions
- Passing score is 700 but this is not 70%
- 90+ minutes to 4 hours
 - Set so that 95% of candidates will complete exam
 - Updated to reflect changes made to exam

The questions

- Consistent anatomy:
 - Business problem
 - Goal statement
 - One or multiple correct answers
 - Multiple distractors
- Decide what you're being asked
- Mark for review
- Simple, Clean, Elegant
- No tricks

Preparation

- Get hands-on experience with product
- Classroom training, books, eLearning
- Review exam prep guide
- edge.technet.com
- Prepare Yourself
- Prepare your environment



**GET ON
THE BUS**

What Microsoft is Doing to Protect your Investment

Liberty Munson, Psychometrician



Scope of the Problem

IT Industry-wide Problem

As technology grows, so does fraud

Hiring Manager's Concerns

MCP's Concerns

Cost to Microsoft

- Up to \$150k to create a new exam
- 24 hour turn around to post on braindump sites

Common Questions about Anti-Piracy

NDA—What can I tell others after an exam?

- If it's in the prep guide, you can talk about it

Practice tests

- We can only comment on those that are currently recommended on our web site: selftestsoftware.com and measureup.com

Other questions?

- <http://www.microsoft.com/learning/en/us/certification/exam-policies.aspx#tab1>