



MBIT Training Ltd

Microsoft Partner



Sales Specialist  
Presales Technical Specialist

# Microsoft CompTIA

Classroom and  
On-Demand  
Training solutions

**Course Catalogue 2017 - 2018**

[www.mbittrainingltd.com](http://www.mbittrainingltd.com)

[www.microsoftcoursesuk.com](http://www.microsoftcoursesuk.com)



# Software Assurance Voucher scheme



If you are a Microsoft Enterprise Partner due to your licensing, then you are already part of the SATV scheme. It will not cost you any money to send your staff onto training courses to keep their skillset up to date and doing so ensures that you remain Data and ISO compliant.

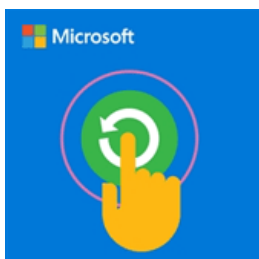
Your Microsoft Enterprise account ensures that your IT Manager is regularly sent through Software Assurance Vouchers. But what should I do with them?

You can claim SATV vouchers against official Microsoft training courses. Vouchers are worth anything from £200 to £2000 of training per person, per course and dependent on the course.

## **That's your staff on a course for free!**

Microsoft Software Assurance for Volume Licensing helps boost organisational productivity with 24x7 support, deployment planning services, end user and technical training, the latest Microsoft software releases, unique technologies, plus support for cloud services adoption, all in one cost-effective program.

**Our SATV programme is offered in association with**  
**our associates at [Robust IT Training](#).**



## **Microsoft Certification Exam Replay**

The Exam replay offer allows you to retake a Microsoft Exam if you were not successful the first time. We support the Replay programme and by doing this enable our customers to leverage excellent results as well as re-enforcing learning with practice test questions from reputable providers, e.g. Pearson VUE's Measureup Practice Test series.

**Have confidence that you passed and passed correctly.**

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## Why Microsoft?



*"Microsoft has always been a partner-led company, and we'll always be a partner-led company... What really drives us, what makes it all possible is your passion, your commitment, and your drive to make us better."*

**Satya Nadella, CEO, Microsoft, speaking at WPC 2016**

Microsoft Corporation is an American multinational technology company, which develops and sells a wide range of consumer and enterprise software, hardware, services, and electronics. Founded by Bill Gates and Paul Allen in Albuquerque, New Mexico, in 1975, the company is currently based in Redmond, Washington.

- Microsoft's global revenue in 2017: 9.95bn USD
- Global desktop Windows market share 84.1%

According to IDC research, "greater cloud spending" will exceed \$500B by 2020. With Microsoft Azure cloud now forming one of the most significant platforms on the market and over 85% of all UK businesses using Microsoft Network Infrastructure, we are confident that we are correct in want in to support Microsoft as a partner and training provider.

Our training is actually not created by us – **we use Microsoft's own Official Courseware on all of our course deliveries.** We do not offer bespoke courses, or work with Business Development Manager to only offer aspects of training they are interested in. Our delegates attend training because our training meets ISO 17024 quality standards and for themselves they need to then certify to attain a relevant and recognised certification.

As a Microsoft Partner we ensure that we can assure you of the correct courses and exams to suit your requirements, both on-site or a nearby location where we can assure a comfortable and relaxing training environment.

Our training programmes cover the entire Microsoft suite of software – **that's over 250 courses!** The learning pathways are tailored to **your staff's exact requirements.** Whether you are a:

- Graduate / First Line Support Technician (MCT / MCP)
- Software Developer (MCSD)
- Network Administrator / Database Developer / Big Data Analyst / Cloud Administrator (MCSA)
- Network Engineer / Network Architect (MCSE)

...we have a solution for you.

## Why CompTIA?



The Computing Technology Industry Association, a non-profit trade association, issues professional certifications for the information technology industry. It is considered one of the IT industry's top trade associations. Although Us based their course material, reach, industry networks and exam certifications **are globally recognised, especially because they are 'vendor-neutral'.** If you attend a **Network+ course** for example the material is relevant across Cisco, Brocade, HP, Veeam, IBM, Microsoft, Oracle and a host of other systems.



As a **Microsoft Certified Professional**, you'll make immediate impact, helping you get noticed and move forward quickly in your career. Compared to their peers, Microsoft certified developers are 90% more productive and nearly 60% more efficient. This means that they make nearly twice as many applications per year and in half the time per application.

When you're certified, you obtain your Microsoft badge! The badge empowers you to share your certification, find who need your skillset, discover your salary potential, and easily apply for jobs.

- 91% of hiring managers consider certification as part of their hiring criteria.

**Microsoft, Microsoft Certification Program Satisfaction Study, April 2012**

- 39% Certified new hires reach full productivity 39% faster than their peers

**IDC/Microsoft, The Business Value of IT Certification, November 2015**

- 38% of IT professionals claimed certification helped them perform complex tasks more confidently.

**Pearson VUE, The Value of IT Certification Survey, January 2016**

#### Microsoft Pathways:

##### Azure:

- MCSA Office 365
- MCSE Cloud Platform & Infrastructure
- MTA: Developer

##### Exchange Server:

- MCSE Messaging & MCSE Productivity

##### Office 365:

- MCSA Office 365
- MCSE Productivity
- MCSE Communication
- MCSE Messaging
- MCSE SharePoint

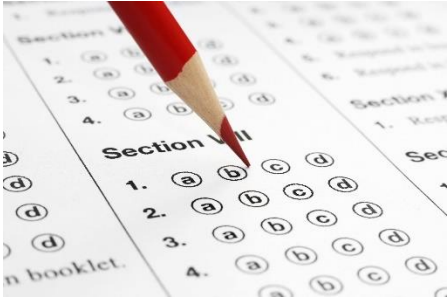
##### SQL Server Databases / Business Intelligence:

- MCSA SQL Server 2016: Database Development
- MCSA SQL Server 2016: Database Administration
- MCSA SQL Server 2016: Business Intelligence Development
- MCSA SQL Server 2014
- MCSE Data Management & Analytics
- MCSE Data Platform
- MCSE Business Intelligence
- Microsoft Technology Associate Database

##### Windows Server 2016 / 2012:

- MCSA Windows Server 2016
- MCSA Windows Server 2012
- MCSE Cloud Platform & Infrastructure
- MCSE Private Cloud
- Microsoft Technology Associate IT Infrastructure

## Recent, Relevant and Productive



MBIT Training Ltd was designed to serve the interests of businesses across England and Wales. We take pride in the fact that we can offer precise, relevant training endorsed by vendors ensuring that you get the best advice, information and guidance.

Our tailored training courses are written by industry experts and are 'industry agnostic'. Any internal procedures within one company do not impact on the training at all - content is designed to explain 'the Microsoft way', or 'the CompTIA way' and by so doing you as a

delegate are best served to be able to fully understand the product or service you are learning and to be able to prove your understanding by completing a certification exam, where applicable.

## Embracing Change

*"The world is changing fast, so it is important that you change with it."*

Matthew Bennett, Director - MBIT Training Ltd (© 2014)



Many of us are advocates for change, but for most of us in the modern society we embrace it. Likewise our companies often have forces ensuring that we adapt and develop to survive and to thrive. For this we need to keep up with the pace of change.

This has never been more so than with IT. For delegates it is a win-win scenario. The delegate enjoys learning so that they can impart the latest skills and techniques. By so doing the HR Manager gets training which is often reduced in price through subsidies not to mention discounts where these can be offered, but quality CAN be assured as where applicable our courses meet ISO 17024 quality standards. This means that since 2012 the delegate has to retake their exam associated with the course on a regular basis (2 years for Software Development and 3 years for general IT). This ensures that knowledge keeps abreast with technology.

For the delegate, some companies attract the best by requiring certifications on a candidates' CV. Not only that but by completing certificate pathways the delegate gets globally recognised industry accreditation from the vendor. Delegates are able then to use the latest skills and techniques to keep our networks secure, to increase productivity and to provide solutions to key problems.

The delegate however is constantly hounded by the concern that their contract may draw to a close, also that they may be replaced by other, more qualified and experienced candidates should they not manage to keep up with the pace of change.

We offer complete managed solutions: from first advising on your learning journey and selecting the most relevant course, through classroom delivery to get the delegate to a point where they are comfortable with the knowledge imparted.

We also offer 3 months of technical support to your delegates to prep them as they get ready for certification.

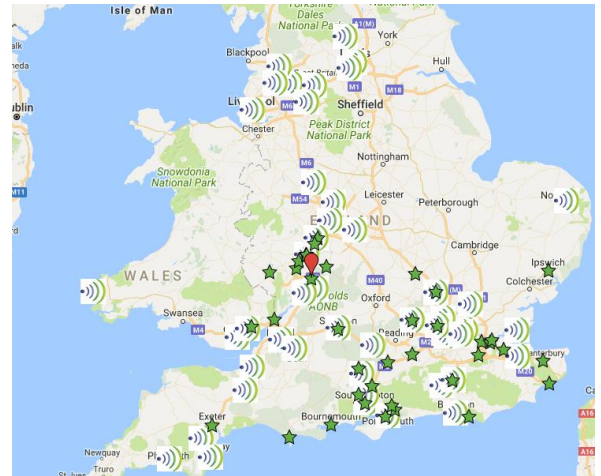
**There should be no reason not to pass an exam for the person who is prepared.**

## Our locations and partners

Our sessions take place in comfortable, modern and relaxed environments. We work closely with many locations providers including Basepoint Business Centres, to offer a comfortable and conducive learning experience.

Our training events take place at many locations including:

Andover	Dartford	High Wycombe	Shoreham
Basingstoke	Eastcote	Ipswich	Southampton
Bournemouth	Evesham	Luton	Swindon
Bromsgrove	Exeter	Malvern	Tewkesbury
Camberley	Folkestone	Milton Keynes	Tilbury
Canterbury	Gosport	Newhaven	Waterlooville
Chatham	Havant	Newport	Weymouth
Chepstow	Haywards Heath	Northfleet	Winchester
Crawley	Hereford	Romsey	



## Customers

We work with a variety of individual and corporate customers including:

- BigDug
- Akixi
- CMYKHub
- Renaissance Computer Services
- Trimble
- UK Army
- US Air Force
- Manchester College
- Cowes Enterprise College
- Ansvar Insurance
- Tugwell Contracting
- Wade Deacon High School

We also offer training contract services to other training organisations across the UK and Europe including:

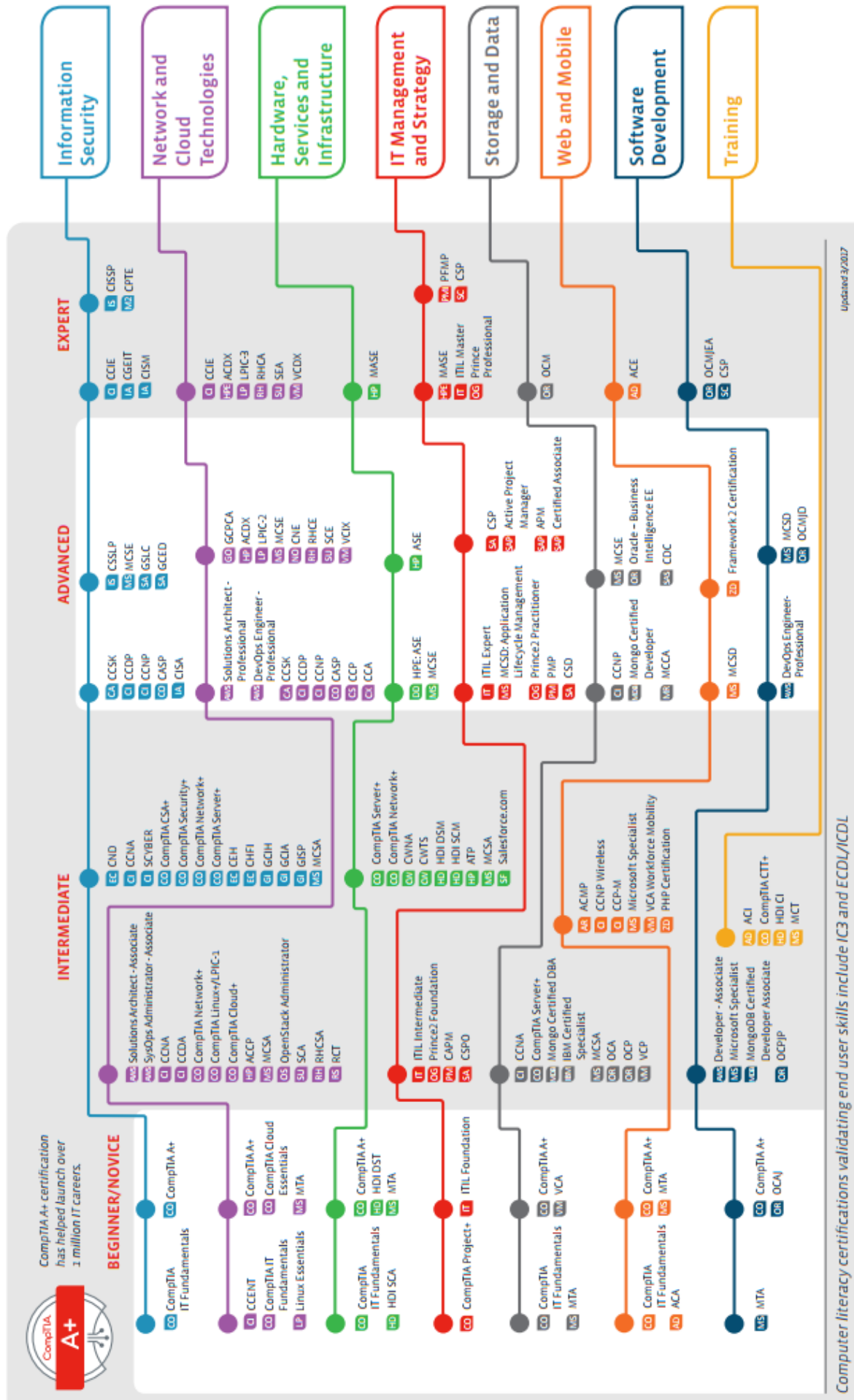
- Robust IT
- Global Knowledge
- Sense IT
- NILC
- Knowlogy
- Verhoef Training

For full details please visit our locations and testimonials pages at [mbittrainingltd.com](http://mbittrainingltd.com)

# Testimonials

	<p>BigDug Storage Solutions Ltd - Gloucester Office</p> <p>Installing and Configuring Windows Server 2012 (MCSA Part 1, course 20410D- 5 days with exam preparation)</p> <p>"The course was very enjoyable and I feel I have learned a lot of new tricks that I can apply in the real world. I would be happy to use MBIT again in the future for my next training courses."</p> <p>"The course expanded my knowledge on many topics, giving useful ideas and practical solutions."</p>
	<p>Akixi Ltd</p> <p>Microsoft Technology Associate - Windows Server Fundamentals (40365)</p> <p>"I was very pleased with all the contents provided to me on this course and how it was presented by the instructor. Matthew was on point, with lots of information and details, as well as he went beyond the course subject to upskill my comprehension on the matter. Matthew was fun and made the 3 days a <i>very successful learning event</i>."</p>
	<p>CMYKhub Global Pty Ltd</p> <p>Introduction in Microsoft Dynamics® NAV 2013 (80439)</p> <p>"An excellent introduction to Microsoft Dynamics NAV with a super instructor with a lot of knowledge and patience."</p> <p>Finance Essentials in Microsoft Dynamics® NAV 2013 (80534)</p> <p>"This is an in depth course and time is tight for anyone new to finance - extremely useful and follow on support from MBIT Training. Outstanding."</p>
	<p>Charterhouse Voice &amp; Data</p> <p>Microsoft Project 2010 Intermediate</p> <p>"I now feel that I can develop project plans. The next thing I will do is go through some example projects on MS Project"</p> <p>"I liked the training session and the flexibility of the trainer. I was surprised by how much you could do with MS Project. I will use this in my job role. Now I feel that I can use MS Project better. I didn't like how complicated some of it was and will need to learn more."</p> <p>"I liked the cost feature we used. I was surprised by the 'insert object' part. I'll use everything better now. Now I feel I can understand what I had previously self taught. I will next try out the resource planner in more detail. Want to take the Advanced course in future."</p> <p>"I liked the format and content. I was surprised by some of the features we used. I'll use the 'import files onto projects and objects' elements. I now feel that I can work with Project better. I wish I had more time to practice. I want to know more about the next level of Project training. I would like to say that the training was thoroughly enjoyable. I am already considering how I can be more organised for the next level of projects."</p>
	<p>Renaissance Computer Services</p> <p>Networking Fundamentals (40366)</p> <p>"Course content met your needs; I felt the pace was very quick. We covered two MTA courses in a week, so there was a lot to take in."</p> <p>"Clarity of the training content; I did feel lost at stages, but this is only due to the pace we had to cover the subjects to make sure we completed them in the time period we had."</p> <p>"I felt Matthew was a very good instructor and very knowledgeable."</p> <p>"Matthew did also give us some very useful learning tools, which are very much appreciated and useful."</p>
	<p>Trimble</p> <p>Software Development Fundamentals (40361)</p> <p>"Very good course material, professional and knowledgeable instructor. Would use for further training"</p>
	<p>C2   ISS Design DAIS Test – Ministry Of Defence</p> <p>CompTIA Network+ v6 (N10-006)</p> <p>"Excellent course, expertly delivered. Standby for your brain to be overloaded at times in this intensive course, but the instructor will ensure that all aspects get lodged in the right place."</p> <p>"Matthew led the class at sufficient pace to both cover the syllabus and the pace of the slowest student."</p> <p>CompTIA Security+ (SY0-401)</p> <p>"Excellent course, covers a great range of subjects in a relative short period. Tutor explained the subject at all levels of the participants knowledge, and ensured that no one was left behind in the subject matter."</p>

# CompTIA Certification Pathway Roadmap



# CompTIA A+ certification course (220-901 and 902 combined)

This intensive, 5-day intensive course covers all of the key information required to enable you within your first year in the IT Sector.

## Overview

Held by over 1 million IT professionals worldwide, CompTIA A+ is the most essential IT certification for establishing an IT career. If you're new to the IT industry, this will help you put your best foot forward. And if you're already an IT professional, the CompTIA A+ certification validates your skills and can boost your career.

CompTIA A+ 220-901 covers computer technology fundamentals, such as PC installation, configuration, mobile devices, and networking as well as safety procedures and prohibited content.

CompTIA A+ 220-902 covers installing and configuring PC and mobile operating systems, as well as common functions in networking, email and security.



### A+ is comprehensive and vendor-neutral

A+ certified professionals have mastered the technologies found in today's extensive and varied IT environments, from mobile to traditional devices and operating systems. They can confidently handle the most challenging technology problems more efficiently. Learn more with this infographic.

### A+ validates foundational skills

A+ establishes best practices in troubleshooting, networking and security across a variety of devices to set the stage for IT careers. The certification also matches professional tech skills with communication skills.

### A+ is trusted by employers

As businesses and governments worldwide continue to adopt mobile and cloud technology, they trust A+ certified professionals to keep their devices running and organizations working smoothly.

### A+ is globally recognized and accredited

CompTIA A+ is compliant with ISO 17024 standards and is approved by the U.S. Department of Defence to meet directive 8140/8570.01-M requirements.

### A+ is industry supported

A+ is developed and maintained by leading IT experts. Content for the exams stems from a combination of industry-wide survey feedback and contributions from our team of subject matter experts. You can learn more about the people behind the CompTIA A+ exam development and the CompTIA A+ Advisory Committee.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,950 (GBP)

# CompTIA Network+ certification course (N10-006)

This 5-day intensive is intended for IT professionals working with large enterprise networks.

## Overview



CompTIA Network+ is a vendor neutral networking certification that is trusted around the world. It validates the essential knowledge and skills needed to confidently design, configure, manage and troubleshoot any wired and wireless networks. CompTIA Network+ certified individuals are in-demand worldwide.

The stakes are high. Data networks are more crucial for businesses than ever before. They are the lifeline to the critical financial, healthcare and information services that need to function at the highest, most secure level. With a CompTIA Network+ certification, you will possess the key skills to troubleshoot, configure and manage these systems and keep your company

productive.

## Network+ is vendor-neutral and globally recognized

CompTIA Network+ professionals are trained to work with a variety of hardware, software and networks. Take your talents wherever your IT ambitions lead you.

## Network+ makes you shine in a growing industry

According to the U.S. Bureau of Labor Statistics, 12% job growth is expected in network and computer systems over the next seven years. Additionally, CompTIA Network+ professionals are known to excel in their job: 53% of IT and business executives agree that certified staff performs at a higher level than non-certified staff; this according to the CompTIA International Technology Adoption and Workforce Trends report. **Global Knowledge's IT Skills and Salary Report estimates the average salary of a Network+ certified IT professional at about \$74,000.**

## Network+ meets the highest standards

CompTIA Network+ meets the ISO 17024 standard and is approved by U.S. Department of Defence to fulfil Directive 8570.01-M requirements. It is compliant with government regulations under the Federal Information Security Management Act (FISMA).

## Network+ is industry supported

Network+ is developed and maintained by leading IT experts. Learn more about the people behind the CompTIA Network+ exam development and the CompTIA Network+ Advisory Committee.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,950 (GBP)</b>

## CompTIA Security+ certification course (SY0-401)

CompTIA Security+ is an intensive course designed for IT professionals wishing to improve their knowledge in network security, as well as application, data and host security. It also covers Cryptography, access control and identity management. The course also covers how to access threats and vulnerabilities.

### Overview

IT security is paramount to organizations as cloud computing and mobile devices have changed the way we do business. With the massive amounts of data transmitted and stored on networks throughout the world, it's essential to have effective security practices in place. That's where CompTIA Security+ comes in. Get the Security+ certification to show that you have the skills to secure a network and deter hackers and you're ready for the job.



### Security+ is government approved

CompTIA Security+ meets the ISO 17024 standard and is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements. It is compliant with government regulations under the Federal Information Security Management Act (FISMA).

### Security+ is globally recognized

CompTIA Security+ is a globally recognized credential with certified professionals working in over 147 countries throughout the world.

### Security+ provides substantial earnings potential

According to the Bureau of Labor Statistics, Security Specialists, Administrators and Managers earn over \$86,000 per year.

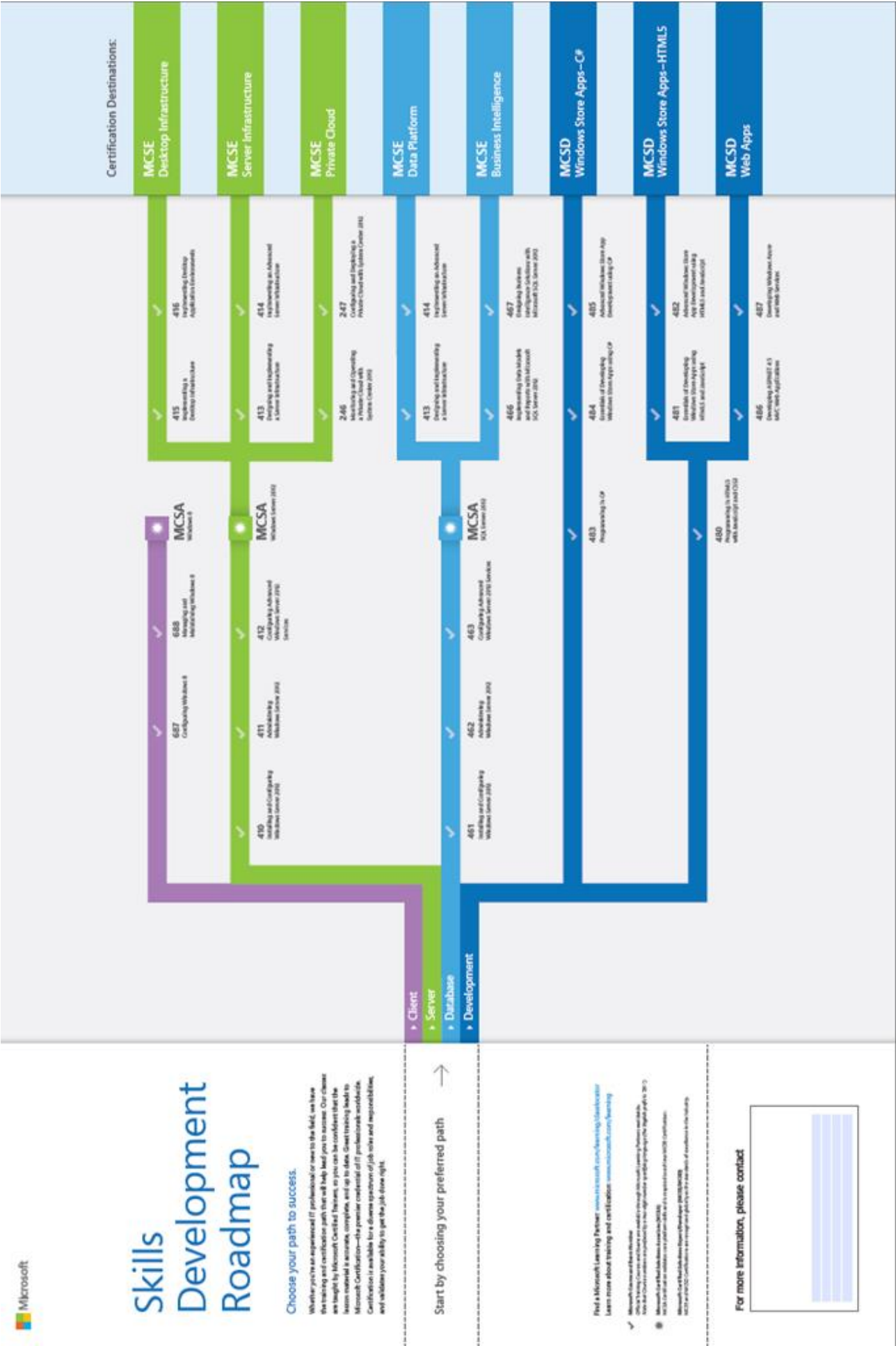
### Security+ is industry supported

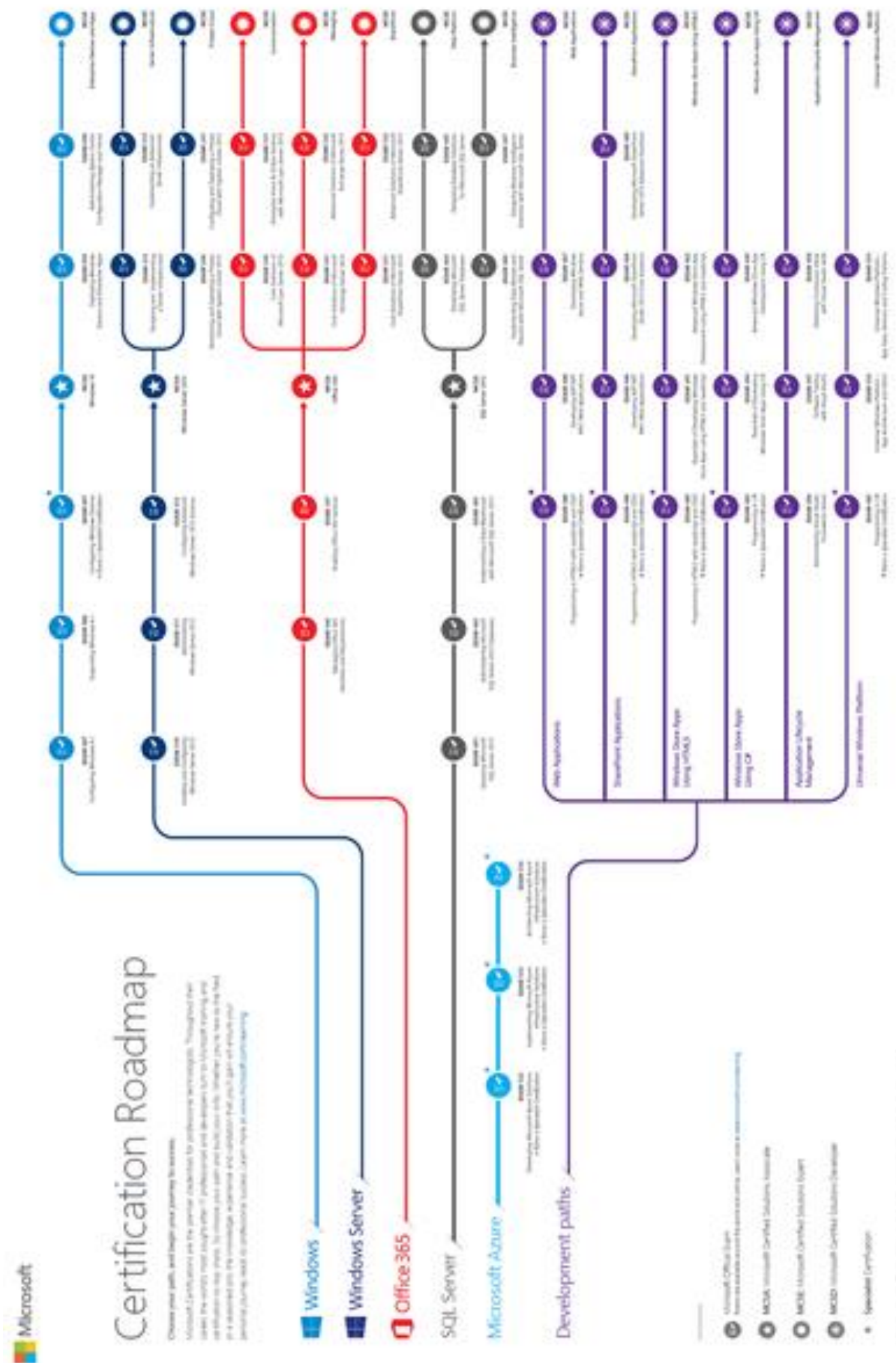
Security+ is developed and maintained by leading IT experts. Content for the exams stems from a combination of industry-wide survey feedback and contributions from our team of subject matter experts. Learn more about the people behind the CompTIA Security+ Advisory Committee.

### Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,025 (GBP)

# Microsoft Skills Development Roadmap





# Installing and Configuring Windows 10 (20698)

This 5-day intensive is intended for IT professionals working with large enterprise networks. This is part 1 of the MCSA Windows Client pathway.

## Overview



This course is designed to provide delegates with the knowledge and skills required to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. These skills include learning how to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage.

## Windows 10

This course is designed to provide delegates with the knowledge and skills required to install and configure Windows 10 desktops and devices in a

Windows Server domain corporate environment. These skills include learning how to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage. Delegates will also learn how to configure data security, device security, and network security, and maintain, update, and recover Windows 10.

## At Course Completion

- Describe the important new features of Windows 10.
- Install and configure a device running Windows 10.
- Configure network connectivity for a Windows 10 device.
- Manage storage in Windows 10.
- Manage folders and printers, apps, data security, device security.
- Implement Windows 10 features to improve network security.
- Monitor and update Windows 10 devices.
- Restore files, roll back drivers, and recover Windows 10 devices.

## Course Requirements:

Delegates looking to take this course (20697-1) must already have the following technical knowledge:

- **At least two years of experience in the IT field.**
- Knowledge of networking fundamentals, including Transmission Control Protocol /Internet Protocol (TCP/IP), User Datagram Protocol (UDP), and Domain Name System (DNS).
- Knowledge of Microsoft Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management.
- Understanding of Windows Server 2008 R2 or Windows Server 2012 fundamentals.
- Understanding of Microsoft Windows Client essentials; for example, working knowledge of Windows 7, Windows 8 and/or Windows 10.
- Basic understanding of Windows PowerShell syntax.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,950 (GBP)</b>

# Deploying and Managing Windows 10 Using Enterprise Services (20697-2)

This 5-day course provides administrators with the knowledge and skills needed to deploy and manage Windows 10 desktops, devices, and applications in an enterprise environment.

This is part 2 of the MCSA Windows Client pathway.

## Overview

Delegates learn how to plan and implement Windows 10 deployments in large organizations. Delegates also learn how to manage the Windows 10 installations after deployment to provide secure identity and data access using technologies related to Group Policy, Remote Access, and Device Registration. To support a variety of device and data management solutions, Microsoft Azure Active Directory, Microsoft Intune, and Microsoft Azure Rights Management are introduced. These services are part of the Enterprise Mobility Suite which provide identity and access management, cloud-based device, application, and update management, and secure data access to information stored both in the cloud and on any location within your corporate network.



## At Course Completion

- Describe the challenges and solutions for desktop & device management in the enterprise.
- Deploy Windows 10 Enterprise desktops.
- Manage user profiles and user state virtualization.
- Manage Windows 10 sign-in and identity.
- Manage desktop and application settings by using Group Policy.
- Manage data access for Windows-based devices.
- Manage remote access solutions.
- Configure and manage client Hyper-V.
- Manage Windows 10 devices by using enterprise mobility solutions.
- Manage desktop and mobile clients by using Microsoft Intune.
- Manage updates and endpoint protection by using Microsoft Intune.
- Manage application and resource access by using Microsoft Intune.

## Course Requirements:

Delegates looking to take this course (80435) must already have the following technical knowledge:

- **At least two years of experience in the IT field.**
- **Attended Course 20697-1:** Installing and Configuring Windows 10 or have equivalent knowledge.
- Basic awareness of Windows deployment tools.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,950 (GBP)

# Installation, Storage and Compute with Server 2016 (20740)

It is designed for professionals who will be responsible for managing storage and compute by using Windows Server 2016, and who need to understand the scenarios, requirements, and storage and compute options that are available and applicable to Windows Server 2016.

This is part 1 of the MCSA Windows Server 2016 pathway.

## Audience profile



This course is intended for IT professionals who have some experience working with Windows Server, and who are looking for a single five-day course that covers storage and compute technologies in Windows Server 2016. This course will help them update their knowledge and skills related to storage and compute for Windows Server 2016.

## Windows Server 2016

Candidates suitable for this course would be:

- Windows Server administrators who are relatively new to Windows Server administration and related technologies, and who want to learn more about the storage and compute features in Windows Server 2016.
- IT professionals with general IT knowledge, who are looking to gain knowledge about Windows Server, especially around storage and compute technologies in Windows Server 2016.
- The secondary audience for this course are IT professionals looking to take the Microsoft 70-740 certification exam, Installation, Storage and Compute with Windows Server 2016. At course completion

After completing this course, delegates will be able to:

- Prepare and install Nano Server, a Server Core installation, and plan a server upgrade and migration strategy.
- Describe the various storage options, including partition table formats, basic and dynamic disks, file systems, virtual hard disks, and drive hardware, and explain how to manage disks and volumes.
- Describe enterprise storage solutions, and select the appropriate solution for a given situation.
- Implement and manage Storage Spaces and Data Deduplication.
- Install and configure Microsoft Hyper-V.
- Deploy, configure, and manage Windows and Hyper-V containers.
- Describe the high availability and disaster recovery technologies in Windows Server 2016.
- Plan, create, and manage a failover cluster.
- Implement failover clustering for Hyper-V virtual machines.
- Configure a Network Load Balancing (NLB) cluster, and plan for an NLB implementation.
- Create and manage deployment images.
- Manage, monitor, and maintain virtual machine installations.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,790 (GBP)

# Networking with Windows Server 2016 (20741)

This 5-day course provides administrators with the knowledge and skills needed to deploy and manage Windows 10 desktops, devices, and applications in an enterprise environment.

**This is part 2 of the MCSA Windows Server 2016 pathway.**

## Overview

This 5-day classroom-based course provides the fundamental networking skills required to deploy and support Windows Server 2016 in most organizations. It covers IP fundamentals, remote access technologies, and more advanced content including Software Defined Networking.



## Audience profile

This course is intended for existing IT professionals who have some networking knowledge and experience and are looking for a single course that provides insight into core and advanced networking technologies in Windows Server 2016. This audience would typically include:

- Network administrators who are looking to reinforce existing skills and learn about new networking technology changes and functionality in Windows Server 2016.
- System or Infrastructure Administrators with general networking knowledge who are looking to gain core and advanced networking knowledge and skills on Windows Server 2016.

The secondary audience for this course is those IT professionals who are looking to take the **MCSA 70-741: Networking with Windows Server 2016** exam.

## At course completion

After completing this course, delegates will be able to:

- Plan and implement an IPv4 network.
- Implement Dynamic Host Configuration Protocol (DHCP).
- Implement IPv6.
- Implement Domain Name System (DNS).
- Implement and manage IP address management (IPAM).
- Plan for remote access.
- Implement DirectAccess.
- Implement virtual private networks (VPNs).
- Implement networking for branch offices.
- Configure advanced networking features.
- Implement Software Defined Networking.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,790 (GBP)</b>

# Identity with Windows Server 2016 (20742)

It is designed for professionals who will be responsible for managing storage and compute by using Windows Server 2016, and who need to understand the scenarios, requirements, and storage and compute options that are available and applicable to Windows Server 2016.

This is part 3 of the MCSA Windows Server 2016 pathway.

## Overview



This five-day instructor-led course teaches IT Pros how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment, how to implement Group Policy, how to perform backup and restore, and how to monitor and troubleshoot Active Directory-related issues with Windows Server 2016. Additionally, this course teaches how to deploy other Active Directory server roles such as Active Directory Federation Services (AD FS) and AD Certificate Services (AD CS).

## Audience profile

This course is primarily intended for existing IT professionals who have some AD DS knowledge and experience wanting to upgrade their knowledge to Server 2016. This would typically include:

- AD DS administrators who are looking to train in identity and access technologies with Windows Server 2012 or Windows Server 2016.
- System or infrastructure administrators with general AD DS experience and knowledge who are looking to cross-train in core and advanced identity and access technologies in Windows Server 2012 or Windows Server 2016.

The secondary audience for this course includes IT professionals who are looking to consolidate their knowledge about AD DS and related technologies, who want to prepare for the 70-742 exam.

After completing this course, delegates will be able to:

- Install and configure domain controllers.
- Manage objects in AD DS by using graphical tools and Windows PowerShell.
- Implement AD DS in complex environments including sites, and replication.
- Implement and manage Group Policy Objects (GPOs).
- Manage user settings by using GPOs, also to secure AD DS and user accounts.
- Implement and manage a certificate authority (CA) hierarchy with AD CS.
- Deploy and manage certificates.
- Implement and administer AD FS.
- Implement and administer Active Directory Rights Management Services (AD RMS).
- Implement synchronization between AD DS and Azure AD.
- Monitor, troubleshoot, and establish business continuity for AD DS services.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,790 (GBP)

# Installing and Configuring Windows Server 2012 (20410)

This course focuses on the initial implementation and configuration of core services, such as Networking, Storage, Active Directory Domain Services (AD DS), Group Policy, File and Print Services, and Hyper-V.

This is part 1 of the MCSA Windows Server 2012 pathway.

## Overview

This course maps directly to and is the preferred choice for hands-on preparation for the Microsoft Certified Solutions Associate (MCSA) Exam **410: Installing and Configuring Windows Server 2012**, which is the first of three exams required for the MCSA: Windows Server 2012 credential.



## Audience Profile

This course is intended for information technology (IT) professionals who have some knowledge and experience working with Windows operating systems and who want to acquire the skills and knowledge necessary to install and perform the initial configuration of a Windows Server 2012 or Windows Server 2012 R2 server in an existing Windows server environment.

After completing this course, delegates will be able to:

- Install and configure Windows Server 2012.
- Describe AD DS.
- Manage Active Directory objects.
- Automate Active Directory administration.
- Implement IPv4.
- Implement Dynamic Host Configuration Protocol (DHCP).
- Implement Domain Name System (DNS).
- Implement IPv6.
- Implement local storage.
- Implement file and print services.
- Implement Group Policy.
- Secure Windows servers by using Group Policy Objects (GPOs).
- Implement server virtualization by using Hyper-V.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,850 (GBP)</b>

# Administering Windows Server 2012 (20411)

This is the second course of three parts in the learning journey towards Microsoft Certified Systems Administrator. The course marks the first stage in your learning journey towards the 70-411 exam by introducing key principles covered also by the exam.

**This is part 2 of the MCSA Windows Server 2012 pathway.**

## Overview



This course focuses on the administration tasks necessary to maintain a Windows Server 2012 infrastructure e.g. configuring and troubleshooting name resolution, user and group management with Active Directory Domain Services (AD DS) and Group Policy, implementing Remote Access solutions such as DirectAccess, VPNs and Web Application Proxy, implementing Network Policies and Network Access Protection, Data Security, deployment and maintenance of server images, also update management and monitoring of Windows Server 2012 environments.

## Audience profile

**To attend, you should be a Microsoft Certified Professional with 2 years' experience of managing a server, especially initial implementation and configuration of core Windows Server services including Active Directory Domain Services (AD DS), Networking Services and Microsoft Hyper-V. You should be intending to certify to at least MCSA level and have already taken the previous course and exam - 20410 and 70-410.**

After completing this course, you will be able to:

- Configure and Troubleshoot a Domain Name System
- Maintain Active Directory Domain Services
- Manage User and Service Accounts
- Implement Group Policy Infrastructure
- Manage User Desktops using Group Policy
- Install, Configure and Troubleshoot Network Policy Server
- Implement Network Access Protection
- Implement Remote Access
- Optimize File Services
- Configure Encryption and Advanced Auditing
- Deploy and Maintain Server Images
- Implement Update Managements
- Monitor Windows Server 2012

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,850 (GBP)</b>

## Configuring Advanced Server 2012 Services (20412)

This course focuses on advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure, such as advanced networking services, Active Directory Domain Services (AD DS), Active Directory Rights Management Services (AD RMS), Active Directory Federation Services (AD FS), Network Load Balancing, Failover Clustering, business continuity and disaster recovery services as well as access and information provisioning and protection technologies such as Dynamic Access Control (DAC), and Web Application Proxy integration with AD FS and Workplace Join.

**This is part 3 of the MCSA Windows Server 2012 pathway.**

### Audience Profile:

This course is intended for Information Technology (IT) Professionals with hands on experience implementing, managing and maintaining a Windows Server 2012 or Windows Server 2012 R2 environment who wish to acquire the skills and knowledge necessary to perform advanced management and provisioning of services within that Windows Server 2012 environment.



After completing this course, delegates will be able to:

- Configure advanced features for Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and configure IP Address Management (IPAM) with Windows Server 2012.
- Configure and manage iSCSI, BranchCache and FSRM.
- Configure DAC to manage and audit access to shared files.
- Plan and implement an AD DS deployment that includes multiple domains and forests.
- Plan and implement an AD DS deployment that includes locations.
- Implement and configure an Active Directory Certificate Services (AD CS) deployment.
- Implement an AD RMS deployment, also implement an AD FS deployment.
- Provide high availability and load balancing for web-based applications by implementing Network Load Balancing (NLB).
- Implement and validate high availability and load balancing for web-based applications by implementing NLB.
- Provide high availability for network services by implementing failover clustering.
- Implement a failover cluster, and configure and validate a highly available network service.
- Deploy and manage Hyper-V virtual machines in a failover cluster.
- Implement a backup and disaster recovery solution based on business and technical requirements.

### Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,790 (GBP)</b>

## Querying Microsoft SQL Server (20761)

The main purpose of this 3 day instructor led course is to give delegates a good understanding of the Transact-SQL language which is used by all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence. As such, the primary target audience for this course is: Database Administrators, Database Developers and BI professionals. The **course will very likely be well attended by SQL power users who aren't necessarily database-focused**; namely, report writers, business analysts and client application developers.

This is part 2 of the MCSA SQL Server 2016 Database Development pathway.

### Audience Profile



This course is intended for Database Administrators, Database Developers, and Business Intelligence professionals. The course will very likely be well **attended by SQL power users who aren't necessarily database-focused**; namely, report writers, business analysts and client application developers.

After completing this course, delegates will be able to:

- Describe the basic architecture and concepts of Microsoft SQL Server 2016.
- Understand the similarities and differences between Transact-SQL and other computer languages.
- Write SELECT queries
- Query multiple tables
- Sort and filter data
- Describe the use of data types in SQL Server
- Modify data using Transact-SQL
- Use built-in functions
- Group and aggregate data
- Use subqueries
- Use table expressions
- Use set operators
- Use window ranking, offset and aggregate functions
- Implement pivoting and grouping sets
- Execute stored procedures
- Program with T-SQL
- Implement error handling
- Implement transactions

### Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£995 (GBP)</b>

## Developing SQL Databases (20762)

This four-day instructor-led course provides delegates with the knowledge and skills to develop a Microsoft SQL Server 2016 database. The course focuses on teaching individuals how to use SQL Server 2016 product features and tools related to developing a database.

**This is part 2 of the MCSA SQL Server 2016 Database Development pathway.**

### Audience Profile

The primary audience for this course is IT Professionals who want to become skilled on SQL Server 2016 product features and technologies for implementing a database.

The secondary audiences for this course are individuals who are developers from other product platforms looking to become skilled in the implementation of a SQL Server 2016 database.



After completing this course, delegates will be able to:

- Design and Implement Tables.
- Describe advanced table designs
- Ensure Data Integrity through Constraints.
- Describe indexes, including Optimized and Columnstore indexes
- Design and Implement Views.
- Design and Implement Stored Procedures.
- Design and Implement User Defined Functions.
- Respond to data manipulation using triggers.
- Design and Implement In-Memory Tables.
- Implement Managed Code in SQL Server.
- Store and Query XML Data.
- Work with Spatial Data.
- Store and Query Blobs and Text Documents.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	4 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,290 (GBP)</b>

# Administering a SQL Database Infrastructure (20764)

This five-day instructor-led course provides delegates who administer and maintain SQL Server databases with the knowledge and skills to administer the database infrastructure. The course is also beneficial application developers who create content derived from SQL Server databases.

This is part 1 of the **MCSA SQL Server 2016 Database Administration** pathway.

## Audience Profile



The primary audience for this course is individuals who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job.

The secondary audiences for this course are individuals who develop applications that deliver content from SQL Server databases.

After completing this course, delegates will be able to:

- Authenticate and authorize users
- Assign server and database roles
- Authorize users to access resources
- Protect data with encryption and auditing
- Describe recovery models and backup strategies
- Backup SQL Server databases
- Restore SQL Server databases
- Automate database management
- Configure security for the SQL Server agent
- Manage alerts and notifications
- Managing SQL Server using PowerShell
- Trace access to SQL Server
- Monitor a SQL Server infrastructure
- Troubleshoot a SQL Server infrastructure
- Import and export data

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1790 (GBP)</b>

## Provisioning SQL Databases (20765)

This course is designed to teach students how to provision SQL Server databases both on premise and in SQL Azure.

This is part 2 of the MCSA SQL Server 2016 Database Administration pathway.

### Audience Profile

The primary audience for this course is individuals who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job. The secondary audiences for this course are individuals who develop applications that deliver content from SQL Server databases.

After completing this course, students will be able to:

- Provision a Database Server
- Upgrade SQL Server
- Configure SQL Server
- Manage Databases and Files (shared)
- Provision, migrate and manage databases in the cloud

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,950 (GBP)</b>

# Implementing an SQL Data Warehouse (20767)

This 5-day instructor led course describes how to implement a data warehouse platform to support a BI solution. Delegates will learn how to create a data warehouse with Microsoft SQL Server 2016 and with Azure SQL Data Warehouse, to implement ETL with SQL Server Integration Services, and to validate and cleanse data with SQL Server Data Quality Services and SQL Server Master Data Services.

This is part 1 of the MCSA SQL Server 2016 Business Intelligence pathway.

## Audience Profile



**SQL 2016**  
**Business Intelligence**  
**Development**

The primary audience for this course are database professionals who need to fulfil a Business Intelligence Developer role. They will need to focus on hands-on work creating BI solutions including Data Warehouse implementation, ETL, and data cleansing.

After completing this course, delegates will be able to:

- Describe the key elements of a data warehousing solution
- Describe the main hardware considerations for building a data warehouse
- Implement a logical design for a data warehouse
- Implement a physical design for a data warehouse
- Create columnstore indexes
- Implementing an Azure SQL Data Warehouse
- Describe the key features of SSIS
- Implement a data flow by using SSIS
- Implement control flow by using tasks and precedence constraints
- Create dynamic packages that include variables and parameters
- Debug SSIS packages
- Describe the considerations for implement an ETL solution
- Implement Data Quality Service
- Implement a Master Data Services model
- Describe how you can use custom components to extend SSIS
- Deploy SSIS projects
- Describe BI and common BI scenarios

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1790 (GBP)</b>

## Developing SQL Data Models (20768)

This three-day instructor-led course is aimed at database professionals who fulfil a Business Intelligence (BI) developer role. This course looks at implementing multidimensional databases by using SQL Server Analysis Services (SSAS), and at creating tabular semantic data models for analysis with SSAS.

This is part 2 of the MCSA SQL Server 2016 Business Intelligence pathway.

### Audience Profile

The primary audience for this course are database professionals who need to fulfil BI Developer role to create enterprise BI solutions. Primary responsibilities will include:

- Implementing multidimensional databases by using SQL Server Analysis Services
- Creating tabular semantic data models for analysis by using SQL Server Analysis Services



The secondary audiences for this course are 'power' information workers/data analysts.

After completing this course, delegates will be able to:

- Describe the components, architecture, and nature of a BI solution
- Create a multidimensional database with analysis services
- Implement dimensions in a cube
- Implement measures and measure groups in a cube
- Use MDX syntax
- Customize a cube
- Implement a tabular database
- Use DAX to query a tabular model
- Use data mining for predictive analysis

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£995 (GBP)

# Querying Microsoft SQL Server 2014 (20461)

This 5-day instructor led course provides delegates with the technical skills required to write basic Transact-SQL queries for Microsoft SQL Server 2014. This course is the foundation for all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence.

This is part 1 of the MCSA SQL Server 2014 pathway.

## Overview

**Microsoft**  
**CERTIFIED**

Solutions Associate

SQL Server 2012/2014

The main purpose of the course is to prepare people for the exam **70-461: Writing Queries Using Microsoft SQL Server 2014 Transact-SQL**. This exam will be the underlying exam for all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence. As such, the primary target audience for this course is: Database Administrators, Database Developers and BI professionals.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

## Audience Profile

This course is intended for Database Administrators, Database Developers, and Business Intelligence professionals. **The course will very likely be well attended by SQL power users who aren't necessarily database-focused or plan on taking the exam; namely, report writers, business analysts and client application developers.**

After completing this course, delegates will be able to:

- Describe the basic architecture and concepts of Microsoft SQL Server 2014.
- Understand the similarities and differences between Transact-SQL and other languages.
- Write SELECT queries, Query multiple tables, Sort and filter data
- Describe the use of data types in SQL Server
- Modify data using Transact-SQL, Use built-in functions, Group and aggregate data
- Use subqueries, Use table expressions, Use set operators
- Use window ranking, offset and aggregate functions
- Implement pivoting and grouping sets
- Execute stored procedures
- Program with T-SQL
- Implement error handling
- Implement transactions

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1690 (GBP)</b>

# Administering Microsoft SQL Server Databases (20462)

This five-day instructor-led course provides delegates with the knowledge and skills to maintain a Microsoft SQL Server 2014 database. The course focuses on teaching individuals how to use SQL Server 2014 product features and tools related to maintaining a database.

**This is part 2 of the MCSA SQL Server 2014 pathway.**

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

## Audience Profile

The primary audience for this course is individuals who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job.

The secondary audience for this course is individuals who develop applications that deliver content from SQL Server databases.



After completing this course, delegates will be able to:

- Describe core database administration tasks and tools.
- Install and configure SQL Server 2014.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restore databases from backups.
- Import and export data.
- Monitor SQL Server.
- Trace SQL Server activity.
- Manage SQL Server security.
- Audit data access and encrypt data.
- Perform ongoing database maintenance.
- Automate SQL Server maintenance with SQL Server Agent Jobs.
- Configure Database Mail, alerts and notifications.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,850 (GBP)</b>

# Implementing a Data Warehouse with SQL Server (20463)

This course describes how to implement a data warehouse platform to support a BI solution.

Delegates will learn how to create a data warehouse with Microsoft SQL Server 2014, implement ETL with SQL Server Integration Services, and validate and cleanse data with SQL Server Data Quality Services and SQL Server Master Data Services.

**This is part 3 of the MCSA SQL Server 2014 pathway.**

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

## Audience Profile



This course is intended for database professionals who need to create and support a data warehousing solution.

### Solutions Associate

### SQL Server 2012/2014

After completing this course, delegates will be able to:

- Describe data warehouse concepts and architecture considerations.
- Select an appropriate hardware platform for a data warehouse.
- Design and implement a data warehouse.
- Implement Data Flow in an SSIS Package.
- Implement Control Flow in an SSIS Package.
- Debug and Troubleshoot SSIS packages.
- Implement an ETL solution that supports incremental data extraction.
- Implement an ETL solution that supports incremental data loading.
- Implement data cleansing by using Microsoft Data Quality Services.
- Implement Master Data Services to enforce data integrity.
- Extend SSIS with custom scripts and components.
- Deploy and Configure SSIS packages.
- Describe how BI solutions can consume data from the data warehouse.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1850 (GBP)</b>

## Enabling and Managing Office 365 (20347)

This is a 5-day instructor-led training (ILT) course that targets the needs of IT professionals who take part in evaluating, planning, deploying, and operating Office 365 services, including its identities, dependencies, requirements, and supporting technologies. This course focuses on skills required to set up an Office 365 tenant, including federation with existing user identities, and skills required to sustain an Office 365 tenant and its users.

**This is part of the MCSA Office 365 pathway.**

Note: Access to trial Office 365 and Azure accounts will be supplied by your trainer during the course.

### Audience Profile

This course will provide experienced IT professionals with the training that they need to plan, configure, and manage an Office 365 environment. Delegates who attend this course are expected to have a broad understanding of several on-premises technologies such as Domain Name System (DNS) and AD DS, and a general understanding of Exchange Server, Microsoft Lync Server or Skype for Business Server, and Microsoft SharePoint Server. This course also is intended as preparation material for IT professionals who are looking to take the exams **70-346: Managing Office 365 Identities and Requirements** and **70-347: Enabling Office 365 Services** to obtain the MCSA Office 365 certification.



After completing this course, delegates will be able to:

- Plan an Office 365 deployment, configure the Office 365 tenant, and plan a pilot deployment.
- Manage Office 365 users, groups, and licenses, and configure delegated administration.
- Plan and configure client connectivity to Office 365.
- Plan and configure directory synchronization between Azure AD and on-premises AD DS.
- Plan and implement the deployment of Office 365 ProPlus.
- Plan and manage Exchange Online recipients and permissions.
- Plan and configure Exchange Online services.
- Plan and implement the Skype for Business Online deployment.
- Plan and configure SharePoint Online.
- Plan and configure an Office 365 collaboration solution that includes Yammer Enterprise, OneDrive for Business, and Office 365 groups.
- Plan and configure the integration between Office 365 and Azure RMS, and configure compliance features in Office 365.
- Monitor and review Office 365 services, and troubleshoot Office 365 issues.
- Plan and implement identity federation between on-premises AD DS and Azure AD.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,690 (GBP)</b>

# Monitoring and Operating a Private Cloud (20246)

This course describes how to monitor and operate a cloud with Microsoft System Center 2012 R2. This course focuses on how to manage and administer a cloud environment, and it describes how you can monitor key infrastructure elements and applications that run within a cloud.

**This is part of the MCSE Cloud Platform and Infrastructure pathway.**

Note: This course does not discuss planning and implementation, which is covered in Configuring and Deploying a Cloud with System Center 2012 R2 (20247).

## Audience Profile



This course is intended for cloud administrators who are responsible for monitoring and protecting the cloud infrastructure. It is also intended for solution architects who are responsible for designing cloud architectures and extending existing cloud solutions. The primary audience for this course is administrators who create service requests.

## At Course Completion:

After completing this course, delegates will be able to:

- Describe the Cloud Model.
- Configure and optimize a Private Cloud.
- Deploy Cloud Services.
- Monitor Cloud Services.
- Configure Application Performance Monitoring in a Cloud Environment.
- Operate and extend Service Management in a Cloud Environment.
- Automate Incident Creation, Remediation, and Change Requests in a Cloud Environment.
- Perform Problem Management in a Cloud Environment.
- Operate a Self-Service, Multi-Tenant Cloud with Windows Azure Pack.
- Configure High Availability, Protection and Recovery in a Cloud Environment.
- Optimize the Cloud Infrastructure.
- Configure SLAs, Dashboards, and Widgets in a Cloud Environment.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,850 (GBP)</b>

# Configuring and Deploying a Private Cloud (20247)

This course equips delegates with the skills they require to configure and deploy a cloud using Microsoft System Center 2012 R2.

This is part of the **MCSE Cloud Platform and Infrastructure** pathway.

## Overview

This course equips delegates with the skills they require to configure and deploy a cloud using Microsoft System Center 2012 R2. Using hands-on labs, delegates learn the following:



- Configure and deploy the cloud fabric.
- Allocate resources to a cloud and grant access to a cloud.
- Configure a PXE server, an update server, and a software update baseline.
- Produce a high-level design that accounts for requirements for cloud environments.
- Configure Application Virtualization (App-V) to sequence and deploy an application virtually.
- Build the core components necessary for delivering services on the fabric.
- Understand how to monitor clouds using System Center Operations Manager.
- Understand the tools necessary to extend and customize Operations Manager for cloud environments.
- Set up, configure, and integrate the core components of Service Manager into a cloud fabric.
- Configure a service catalogue, and then publish it to the Self-Service Portal.
- Gain the knowledge necessary to deploy and configure Data Protection Manager in a cloud.
- Deploy and configure Orchestrator in a cloud, then integrate it with other SC components.

## Audience Profile

This course is intended for cloud administrators who will be responsible for designing, installing and configuring a cloud infrastructure.

After completing this course, delegates will be able to:

- Plan for a Hybrid Cloud
- Configure and deploy a Private Cloud with System Center 2012 R2 Virtual Machine Manager
- Extend and maintain the Cloud infrastructure
- Configure application delivery for a cloud
- Create Private Cloud building blocks, also deploy and access private clouds
- Monitor, extend and customize monitoring of the Cloud infrastructure
- Implement Service Management for the Cloud
- Configure High Availability, Disaster Recovery and Protection for a Cloud
- Automate and standardize, also to configure a multi-tenant Cloud

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,690 (GBP)</b>

# Automating Administration with PowerShell (10961)

In this five-day course you will learn to execute and monitor scripts more efficiently through more robust session connectivity, workflow capabilities, enhanced job scheduling, and Windows PowerShell Web Access. Learn Windows PowerShell with greater ease through improved cmdlet discovery and simplified, consistent syntax across all cmdlets. Write Windows PowerShell scripts quicker and more intuitively through the new Integrated Scripting Environment (ISE) that enables script sharing, which connects IT pros to a larger Windows PowerShell user community. Learn all this and more in this five-day Microsoft Official Course in Windows PowerShell 4.0.

## Course Summary

In this five-day course, you will learn to execute and monitor scripts more efficiently through more robust session connectivity, workflow capabilities, enhanced job scheduling, and Windows PowerShell Web Access. Learn Windows PowerShell with greater ease through improved cmdlet discovery and simplified, consistent syntax across all cmdlets. Write Windows PowerShell scripts quicker and more intuitively through the new Integrated Scripting Environment (ISE) that enables script sharing, which connects IT pros to a larger Windows PowerShell user community. Learn all this and more in this five-day Microsoft Official Course in Windows PowerShell 4.0.

After completing this course, delegates will be able to:

- Understand the basic concepts behind Windows PowerShell
- Work with the Pipeline
- Understand How the Pipeline Works
- Use PSProviders and PSDrives
- Format Output
- Use WMI and CIM
- Prepare for Scripting
- Moving From a Command to a Script to a Module
- Administer Remote Computers
- Put the various Windows PowerShell components together
- Use Background Jobs and Scheduled Jobs
- Use Advanced PowerShell Techniques and Profiles

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,550 (GBP)</b>

# Advanced Automated Administration (10962)

Learn how with Windows PowerShell 4.0, you can remotely manage multiple Windows based servers and automate day to day management and administration tasks.

## Overview

This three-day course is a follow-on course from the 10961B: Automating Administration with Windows PowerShell course. It is built on Windows Server 2012 R2 and Windows 8.1 and while it is specifically focused on Windows PowerShell v4.0, is also relevant in v2.0 and v3.0 Windows PowerShell environments.

Learn about areas such as the creation of advanced functions, script modules, advanced parameters attributes and controller scripts. Also, learn how to make your scripts more robust by learning about handling script errors and the analysis and debugging Windows PowerShell scripts. The course will also cover the use of Windows PowerShell cmdlets with .NET Framework as well as teaching how to configure your Windows Servers using Desired State Configuration and providing an understanding of Windows PowerShell workflow.

The detailed hands on labs and in-depth content and learning will help remove manual tasks that you may currently have to perform as an Administrator, allowing you to make your own Windows PowerShell tools for automated, repeated, accurate management and provisioning of your Windows Server infrastructure.

## Audience profile

This course is intended for IT Professionals already experienced in general Windows Server and Windows Client administration or already experienced in administering and supporting Application servers and services including applications such as Exchange, SharePoint, and SQL. System, Infrastructure and Application Administrators working in a Windows or Windows hybrid environment will all find this course relevant to their day to day jobs and future career and skills development.

After completing this course, delegates will be able to:

- Create Advanced Functions
- Use Cmdlets and Microsoft .NET Framework in Windows PowerShell
- Write Controller Scripts
- Handle Script Errors
- Use XML Data Files
- Manage Server Configurations by Using Desired State Configuration
- Analyse and Debug Scripts
- Understand Windows PowerShell Workflow

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£995 (GBP)

# Core Solutions of Exchange Server 2013 (20341)

This course will provide you with the knowledge and skills to plan, deploy, manage, secure, and support Exchange Server 2013. This course will teach you how to configure Exchange Server 2013 and supply you with the information you will need to monitor, maintain, and troubleshoot Exchange Server 2013. This course will also provide guidelines, best practices, and considerations that will help you optimize performance and minimize errors and security threats in Exchange Server 2013. **This is part 1 of the MCSE Productivity pathway.**

## Audience Profile



This course is intended for people aspiring to be enterprise-level messaging administrators. Others who may take this course include IT generalists and help desk professionals who want to learn about Exchange Server 2013. People coming into the course are expected to have at least 3 years of experience working in the IT field—typically in the areas of network administration, help desk, or system administration. They are not expected to have experience with previous Exchange Server versions.

After completing this course, delegates will be able to:

- Deploy and manage Exchange Server 2013.
- Plan and configure the Mailbox server role.
- Manage recipient objects, address policies, and address lists in Exchange Server 2013.
- Plan and implement the Client Access server role in Exchange Server 2013.
- Securely plan and configure Microsoft Outlook Web App and mobile messaging using the Client Access server.
- Understand and manage highly available Client Access servers in Exchange Server 2013.
- Plan for disaster mitigation, implement backup and recovery for Exchange Server 2013.
- Plan and configure message transport in an Exchange Server 2013 organization.
- Plan message security options, implement an antivirus solution, and an anti-spam solution.
- Configure permissions and secure Exchange Server 2013.
- Monitor, maintain, and troubleshoot an Exchange Server 2013 environment.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,950 (GBP)

# Advanced Solutions of Exchange Server 2013 (20342)

This course will provide you with the knowledge and skills to configure and manage a Microsoft Exchange Server 2013 messaging environment. This course will teach you how to configure Exchange Server 2013, and it will provide guidelines, best practices, and considerations that will help you optimize your Exchange Server deployment.

**This is part 1 of the MCSE Productivity pathway.**

## Audience Profile

This course is intended for people aspiring to be enterprise-level messaging administrators. Others who may take this course include IT generalists and help desk professionals who want to learn about Exchange Server 2013. People coming into the course are expected to have at least 3 years of experience working in the IT field—typically in the areas of network administration, help desk, or system administration. Delegates are expected to have experience with Exchange Server 2013 or with previous versions of Exchange Server.



After completing this course, delegates will be able to:

- Design and implement Exchange Server 2013 Unified Messaging.
- Design and implement site resiliency for Exchange Server 2013.
- Plan a virtualization strategy for Exchange Server 2013 roles.
- Design and implement message transport security.
- Design and implement message retention in Exchange Server 2013.
- Design and implement messaging compliance.
- Design and implement administrative security in an Exchange Server 2013 environment.
- Use the Windows PowerShell 3.0 command-line interface to manage Exchange Server 2013.
- Design and implement integration with Exchange Online.
- Design and implement messaging coexistence.
- Design and implement Exchange Server migrations from non-Exchange messaging systems, and upgrades from previous Exchange Server versions.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,950 (GBP)</b>

# Programming in HTML5 with JavaScript and CSS3 (20480)

This course introduces HTML5, CSS3, and JavaScript. This course helps delegates gain basic HTML5/CSS3/JavaScript programming skills. This course is an entry point into both the Web application and Windows Store apps training paths. The course focuses on using HTML5/CSS3/JavaScript to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured application.



This is part 1 of the MCS D Web and SharePoint Applications pathway.

After completing this course, delegates will be able to:

- Explain how to use Visual Studio 2012 to create and run a Web application.
- Describe the new features of HTML5, and create and style HTML5 pages.
- Add interactivity to an HTML5 page by using JavaScript.
- Create HTML5 forms by using different input types, and validate user input by using HTML5 attributes and JavaScript code.
- Send and receive data to and from a remote data source by using XMLHttpRequest objects and jQuery AJAX operations.
- Style HTML5 pages by using CSS3.
- Create well-structured and easily-maintainable JavaScript code.
- Use common HTML5 APIs in interactive Web applications.
- Create Web applications that support offline operations.
- Create HTML5 Web pages that can adapt to different devices and form factors.
- Add advanced graphics to an HTML5 page by using Canvas elements, and by using and Scalable Vector Graphics.
- Enhance the user experience by adding animations to an HTML5 page.
- Use Web Sockets to send and receive data between a Web application and a server.
- Improve the responsiveness of a Web application that performs long-running operations by using Web Worker processes.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,950 (GBP)</b>

# Developing ASP.NET MVC 4 Web Applications (20486)

**Microsoft**  
**CERTIFIED**

**Solutions Developer**

**Web Applications**

In this course, delegates will learn to develop advanced ASP.NET MVC applications using .NET Framework 4.5 tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application. ASP.NET MVC will be introduced and compared with Web Forms so that delegates know when each should/could be used. This course will also prepare the delegate for exam 70-486.

This is part 2 of the MCS D Web and SharePoint Applications pathway.

After completing this course, delegates will be able to:

- Describe the Microsoft Web Technologies stack and select an appropriate technology to use to develop any given application.
- Design the architecture and implementation of a web application that will meet a set of functional requirements, user interface requirements, and address business models.
- Create MVC Models and write code that implements business logic within Model methods, properties, and events.
- Add Controllers to an MVC Application to manage user interaction, update models, and select and return Views.
- Create Views in an MVC application that display and edit data and interact with Models and Controllers.
- Run unit tests and debugging tools against a web application in Visual Studio 2012 and configure an application for troubleshooting.
- Develop a web application that uses the ASP.NET routing engine to present friendly URLs and a logical navigation hierarchy to users.
- Implement a consistent look and feel, including corporate branding, across an entire MVC web application.
- Use partial page updates and caching to reduce the network bandwidth used by an application and accelerate responses to user requests.
- Write JavaScript code that runs on the client-side and utilizes the jQuery script library to optimize the responsiveness of an MVC web application.
- Implement a complete membership system in an MVC 4 web application.
- Build an MVC application that resists malicious attacks and persists information about users and preferences.
- Describe how to write a Windows Azure web service and call it from an MVC application.
- Describe what a Web API is and why developers might add a Web API to an application.
- Modify the way browser requests are handled by an MVC application.
- Describe how to package and deploy an ASP.NET MVC 4 web application from a development computer to a web server for staging: web or production.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,950 (GBP)

## Programming in C# (20483)

This training course teaches developers the programming skills that are required for developers to create Windows applications using the C# language. During their five days in the classroom delegates review the basics of C# program structure, language syntax, and implementation details, and then consolidate their knowledge throughout the week as they build an application that incorporates several features of the .NET Framework 4.5.



This is part 1 of the MCS D Universal Windows Platform pathway.

The course introduces many of the techniques and technologies employed by modern desktop and enterprise applications, including:

- Building new data types, handling events.
- Programming the user interface.
- Accessing a database, using remote data.
- Performing operations asynchronously, integrating with unmanaged code.
- Creating custom attributes, encrypting and decrypting data.

At the end of the course, delegates should leave the class with a solid knowledge of C# and how to use it to develop .NET Framework 4.5 applications.

After completing this course, delegates will be able to:

- Describe the core syntax and features of C#.
- Create and call methods, catch and handle exceptions, and describe the monitoring requirements of large-scale applications.
- Implement the basic structure and essential elements of a typical desktop application.
- Create classes, define and implement interfaces, and create and use generic collections.
- Use inheritance to create a class hierarchy, extend a .NET Framework class, and create generic classes and methods.
- Read and write data by using file input/output and streams, and serialize and deserialize data in different formats.
- Create and use an entity data model for accessing a database and use LINQ to query and update data.
- Use the types in the System.Net namespace and WCF Data Services to access and query remote data.
- Build a graphical user interface by using XAML.
- Improve the throughput and response time of applications by using tasks and asynchronous operations.
- Integrate unmanaged libraries and dynamic components into a C# application.
- Examine the metadata of types by using reflection, create and use custom attributes, generate code at runtime, and manage assembly versions.
- Encrypt and decrypt data by using symmetric and asymmetric encryption.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£1,950 (GBP)

## Sales Management in Dynamics CRM 2013 (80546)

This course introduces the capabilities of Sales Management in Dynamics CRM 2013 that allow you to track and manage the sales process from potential to close. This course provides insight on sales process information, and introduces the tools available to analyse and report on sales information.

### Course Summary

This course introduces the capabilities of Sales Management in Microsoft Dynamics CRM 2013 that allow you to track and manage the sales process from potential to close. This course provides insight on sales process information, and introduces the tools available to analyse and report on sales information. This course guides you through the tools that help make the internal processes simpler and easier so your sales force can focus on what is important—creating a differentiated experience for your customers.

### Course Requirements

Delegates looking to take this course (80546) must already have the following technical knowledge:

- General knowledge of Microsoft Windows and Office
- An understanding of Customer Relationship Management solution processes and practices

After completing this course, delegates will be able to:

- Understand the context of Sales Management and review real-life sales scenarios
- Identify how the various elements of the Microsoft Dynamics CRM 2013 Sales fit together
- Review the basic terminology used throughout the application.
- Review how the basic flow of sales activity in Microsoft Dynamics CRM begins with the entry of leads, and review ways to manage leads in Microsoft Dynamics CRM
- Identify the role of leads, and when they can be used
- Know the Lead to Opportunity process and the roles of these records.
- Work with Sales Literature in Microsoft Dynamics CRM.
- Explore the steps to create and maintain Competitors.
- Identify the features and benefits of the product catalogue.
- Create and maintain unit groups for the product catalogue.
- Add products to the product catalogue, and describe kit products and substitute products.
- Create price lists and configure as appropriate for different customers, marketing campaigns and special offers.
- Set up different price lists for different types of customers and marketing campaigns
- Utilize the tools to available within Microsoft Dynamics CRM to capture important sales information and uncover new business opportunities.
- Identify how Goal Management allows you to manage and analyse performance.
- Use the Sales Analysis tools that Microsoft Dynamics CRM provides analyse and report on sales-related information

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	1 day
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£310 (GBP)</b>

# Installation and Deployment in Dynamics CRM 2013 (80539)

This course provides individuals with the skills to install and deploy Microsoft Dynamics CRM 2013. The training material focuses on the components used within a Microsoft Dynamics CRM deployment, the hardware and software requirements needed to successfully deploy Microsoft Dynamics CRM, and the installation instructions for the primary Microsoft Dynamics CRM components:

- the Microsoft Dynamics CRM Server,
- the E-Mail Router,
- Microsoft Dynamics CRM for Office Outlook.

The course also covers upgrading from earlier versions, configuring an Internet-facing Deployment and administration tasks.

## Audience Profile:

This course is intended for implementation consultants, system integrators, or support professionals who need to install and deploy Microsoft Dynamics CRM 2013.

## At Course Completion:

After completing this course, delegates will be able to:

- Describe the components that are required for a successful Microsoft Dynamics CRM implementation.
- Identify the hardware and software requirements for components of a Microsoft Dynamics CRM implementation.
- Install Microsoft Dynamics CRM Server.
- Install Microsoft Dynamics CRM Reporting Extensions.
- Install and configure the Microsoft Dynamics CRM E-mail Router.
- Describe the deployment methods for installing Microsoft Dynamics CRM for Outlook.
- Configure Claims-based authentication and Internet-facing deployment.
- Upgrade to Microsoft Dynamics CRM 2013.
- Manage Microsoft Dynamics CRM organizations using the Deployment Manager.
- Describe the high availability options for Microsoft Dynamics CRM 2013.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	2 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£620 (GBP)</b>

## Customization + Configuration in Dynamics CRM 2013 (80542)

This course describes the techniques required to customize Microsoft Dynamics CRM to meet the specialized needs of businesses. The topics covered include security; creation and configuration of entities; design of forms views and charts; auditing and solutions. The course describes each topic and how each topic relates to the other topics to produce a full configured, effective solution.

### Audience Profile

This training is intended for both novice and experienced customizers of Microsoft Dynamics CRM who are familiar with the end-user principles of the software. No programming skills are required, but a basic understanding of database principles will be an advantage.

After completing this course, delegates will be able to:

- Design and implement strategies for the creation of Business Units and Security Roles
- Configure Microsoft Dynamics CRM Users and Teams
- Describe the principles of customizing the system
- Create and configure fields for both custom and system entities
- Create and configure custom entities, including standard and activity entities
- Design, create and configure relationships between entities
- Create and configure Views, Charts and Forms for both system and custom entities
- Implement Field Security and Access Team Templates in Microsoft Dynamics CRM
- Design, create and configure Solutions in Microsoft Dynamics CRM
- Design, create and configure Business Rules and Business Process Flows to guide users through their work

### Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£930 (GBP)</b>

# Customer Service in Microsoft Dynamics CRM 2013 (80545)

This course describes the techniques required to customize Microsoft Dynamics CRM to meet the specialized needs of businesses. The topics covered include security; creation and configuration of entities; design of forms views and charts; auditing and solutions. The course describes each topic and how each topic relates to the other topics to produce a full configured, effective solution.

## Audience Profile:

This training is intended for both novice and experienced customizers of Microsoft Dynamics CRM who are familiar with the end-user principles of the software. No programming skills are required, but a basic understanding of database principles will be an advantage.

## At Course Completion:

After completing this course, delegates will be able to:

- Design and implement strategies for the creation of Business Units and Security Roles
- Configure Microsoft Dynamics CRM Users and Teams
- Describe the principles of customizing the system
- Create and configure fields for both custom and system entities
- Create and configure custom entities, including standard and activity entities
- Design, create and configure relationships between entities
- Create and configure Views, Charts and Forms for both system and custom entities
- Implement Field Security and Access Team Templates in Microsoft Dynamics CRM
- Design, create and configure Solutions in Microsoft Dynamics CRM
- Design, create and configure Business Rules and Business Process Flows to guide users through their work

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	1 day
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£310 (GBP)</b>

## Dynamics AX 2012 Public Sector Financials (80338)

This two-day instructor-led course, Microsoft Dynamics AX 2012 Public Sector-Financials, provides delegates with the necessary tools and resources to perform advanced tasks using Microsoft Dynamics AX 2012 Public Sector.

The intended audience includes partners and customers who want to learn the features and develop a working knowledge of the typical bookkeeping and accounting processes that are required to effectively use Microsoft Dynamics AX 2012 Public Sector.

### At Course Completion

- Describe the features of Microsoft Dynamics AX 2012 Public Sector.
- Set up the account structures and financial dimensions for the organization.
- Perform financial budget-related activities in the Budgeting module.
- Perform activities related to commitment accounting, transactions, and line amounts in the General ledger module.
- Perform activities related to purchases, invoices, and vendor details in the Procurement and sourcing and Accounts payable modules.
- Perform activities related to payments due in the Accounts receivable module.
- Perform project accounting activities in the Project management and accounting module.
- Describe Role Centers and generate public sector-related reports.

### Course Requirements:

Delegates looking to take this course (80338) must already have the following technical knowledge:

- Completed the Microsoft Dynamics AX 2012 Finance I and Finance II courses.
- Completed the Microsoft Dynamics AX 2012 Project Essentials and Project Advanced courses.
- The ability to use Microsoft Dynamics AX 2012 for basic processing.
- Knowledge of bookkeeping and accounting processes.

### Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	2 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£620 (GBP)</b>

# Application Integration Framework and Services in Microsoft Dynamics AX 2012 (80416)

This course discusses and provides information and insight on using Application Integration Framework and services to provide a programming model, tools and infrastructure support for integration of application functionality and data with Microsoft Dynamics AX. The typical delegate should have a development background and understand the basic concepts of Application Integration Framework and be familiar with the installation and configuration options in Microsoft Dynamics AX.

## At Course Completion

- Identify the high-level features of Services and Application Integration Framework (AIF).
- Discuss integration planning and options. Identify high-level flows in Services and AIF.
- Discuss the topology of the Services and AIF model.
- Describe moving service configurations by using integration ports in AIF.
- Discuss the process of change tracking.
- Identify the transforms available for customization in banking.
- Discuss the installation process and the special considerations to be aware of for Services and AIF in Microsoft Dynamics AX.
- Identify the upgrade considerations for Services and AIF. Set up batch for AIF and Services.
- Describe the types and options for integration ports.
- Identify the adapters that are available in Services and AIF.
- Discuss the Document Service, Custom Services and System Services Service Types.
- Understand the communication format that AIF uses to transmit data.
- Explain how to manipulate requests in the AIF pipeline.
- Use the Business Operations Framework.
- Describe how services are secured in Microsoft Dynamics AX.
- Call an external service from X++.
- Use the NetTcp adapter to call a custom service.
- Create a new document exchange by using the NetTcp adapter.
- Use the NetTcp adapter to synchronously exchange documents between BizTalk and AIF.
- Create a new document exchange by using the file system adapter.
- Create an MSMQ queue and exchange documents by using the queue.
- Create a reference to the metadata service. Call and retrieve data from a metadata service.
- Set up the AIF components for an outbound exchange.
- Create and test an outbound exchange.
- Monitor Services and AIF capabilities. Debug Services and identify common errors.

Delegates looking to take this course (80416) must already have the following technical knowledge:

- Completed Courses 80303, 80304, 80312, 80313 - Development I, II, III,IV in Microsoft Dynamics AX 2012 or have equivalent knowledge of topics covered in this course.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£930 (GBP)

## Data Upgrade and Code Upgrade to Dynamics AX 2012 (80420)

This three-day instructor-led course covers both the data upgrade and the code customization upgrades from Microsoft Dynamics AX 4.0 and Microsoft Dynamics AX 2009 to Microsoft Dynamics AX 2012.

The course will cover the flow of the Microsoft Dynamics AX 2009 SP1 to Microsoft Dynamics AX 2012 RTM upgrade, and point out any differences for Microsoft Dynamics AX 4.0 SP2 during the course. Labs and demos will run on Microsoft Dynamics AX 2009 SP1 and Microsoft Dynamics AX 2012.

The ideal breakdown for this course would be to have the first two days cover the data upgrade. This would be focused in the implementer partner to include the personas of Simon and Tim. The third day of the course would cover the code upgrade and focus on the developer persona of Isaac and would include Tim from a planning perspective and Simon as the customer/partner.

### At Course Completion

- Introduce the Source-to-target framework.
- Discuss key features of Microsoft Dynamics AX 2012 upgrade.
- Describe the system architecture that is needed to perform an upgrade from Microsoft Dynamics AX 4.0 or Microsoft Dynamics AX 2009 to Microsoft Dynamics AX 2012.
- List the available options for cleaning data before an upgrade.
- Describe the best practices to run an upgrade.
- Configure Microsoft Dynamics AX and Microsoft SQL Server for high upgrade performance.
- Understand project planning challenges.
- Explain the steps to upgrade code from Microsoft Dynamics AX 4.0 or Microsoft Dynamics AX 2009 to Microsoft Dynamics AX 2012.
- Discuss ways that Dynamics AX 2012 has changed code that might affect a code upgrade.
- Review the different kinds of data upgrade scripts.
- Explain how to write source upgrade scripts.
- Describe specific strategies for writing scripts.
- Discuss some changes in Microsoft Dynamics AX 2012 that affect data upgrades.
- Discuss techniques for debugging scripts.
- Perform a data upgrade.

### Course Requirements:

Delegates looking to take this course (80420) must already have the following technical knowledge:

- Developer knowledge in Microsoft Dynamics AX 2012 and/or 2009

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	£930 (GBP)

# Financials I in Microsoft Dynamics AX 2012 (80219)

This course explores some of the basic financial functionality available in Microsoft Dynamics AX. Delegates will be introduced to set up processes in General Ledger, Accounts Payable, Accounts Receivable, and the Bank module, as well as how to enter transactions in each..

## Audience Profile:

This course is intended for partners, customers and other end users of the financial modules in Microsoft Dynamics AX.

## At Course Completion:

After completing this course, delegates will be able to:

- Set up General Ledger.
- Set up a Chart of Accounts.
- Set up Journals.
- Enter General Ledger Transactions.
- Set up Sales Tax Components.
- Set up Reason Codes and use the Fill Utility.
- Set up Bank Accounts and Bank Parameters.
- Enter Bank Transactions.
- Set up Accounts Payable.
- Enter Accounts Payable Transactions.
- Set up Accounts Receivable.
- Enter Accounts Receivable Transaction.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
Price	<b>£1,850 (GBP)</b>

# Installation and Configuration for Dynamics AX 2012 (80221)

This three-day instructor-led course, Installation and Configuration in Microsoft Dynamics AX 2012, provides delegates with the necessary tools and resources to perform basic installation and configuration tasks in Microsoft Dynamics AX 2012.

## Audience Profile

This course is intended for customers who want to learn how to install and configure Microsoft Dynamics AX 2012. It is also intended for IT managers, system administrators, network engineers, database administrators, and other people in organizations responsible for the setup and configuration of Microsoft Dynamics AX 2012.

After completing this course, delegates will be able to:

- Review the main concepts of Installation and Configuration in Microsoft Dynamics AX 2012.
- Discuss the architecture and requirements of Microsoft Dynamics AX 2012.
- Install Microsoft Dynamics AX 2012.
- Add users to Microsoft Dynamics AX 2012 and assign them to roles in the organization.
- Understand the Microsoft Dynamics AX 2012 role based security architecture.
- Describe architecture for Services and the Application Integration Framework.
- Setup an inbound port using services.
- Install services on IIS.
- Explain the capabilities of workflow in Microsoft Dynamics AX 2012.
- Configure an approval workflow.
- Use the SQL Server Analysis Services Project Wizard.
- Discuss the Microsoft Dynamics AX 2012 reporting architecture.
- Deploy Microsoft Dynamics AX 2012 SQL Server Reporting Services reports.
- Deploy and configure Enterprise Portal.
- Manage Models in Microsoft Dynamics AX 2012.
- Setup alerts, email, and batch processing in Microsoft Dynamics AX 2012.
- Discuss the Microsoft Dynamics AX 2012 organization model at a high level.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	3 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,850 (GBP)</b>

# Master Planning in Microsoft Dynamics AX 2012 (80423)

This two-day instructor-led course provides delegates with the necessary tools and resources to perform moderate to advanced tasks for the setup and process of forecast and master planning in Microsoft Dynamics AX 2012.

Topics include the main concepts, considerations and setups used in master planning, master scheduling, forecast scheduling, coverage groups, product item detailed coverage settings, and the effect that intercompany and multisite operations has on the Master planning module.

## At Course Completion

- Create, set up, and process master plans.
- Judge when to use one and two master plan strategies.
- Handle generated planned orders.
- Set up and understand reduction keys.
- Set up and understand period allocation keys and item allocation keys.
- Create, set up, and understand coverage groups and the item coverage.
- Create, set up and process forecast models and forecast plans.
- Create, set up and process master plans with intercompany.
- Understand how planning can be conducted across multiple sites, locations, and warehouses across multiple Microsoft Dynamics AX 2012 companies.

## Course Requirements

Delegates looking to take this course (80423) must already have the following technical knowledge:

- General knowledge of Microsoft Windows
- Completed the Introduction to Microsoft Dynamics AX 2012 course
- The ability to use Microsoft Dynamics AX 2012 for basic processing

In addition, it is recommended, but not required, that delegates have:

- A basic knowledge of forecasting, planning, production control, purchasing, and inventory concepts.
- Some practical experience in how to use the Master planning module.
- Attended the Intercompany Setup and Order Processing in Microsoft Dynamics AX 2012 course.

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	2 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£620 (GBP)</b>

## C/Side Solution Development in Dynamics NAV 2013 (80437)

This five-day instructor-led course leads delegates through a simulated implementation project, where their goal is customise **Microsoft Dynamics NAV 2013 to meet customer's requirement**. It explains standard application concepts and provides insight into most important processes in Microsoft Dynamics NAV 2013, including documents and journals posting, dimension management, feature integration, role tailoring, and automating unit testing.

### At Course Completion

- Explain the different table types and their characteristics.
- Present the standard data model and introduce the data-related business logic.
- Present the standard process model that governs the transactions in Microsoft Dynamics NAV 2013.
- Explain the master table and page standards. Work with table event triggers.
- Work with complex data types and their member functions.
- Explain the multilanguage functionality.
- Define the strategy for implementing Customers and Participants.
- Create the tables to manage the seminar rooms.
- Create instructor data management. Create seminar data management.
- Import and export objects as text files. Support multilanguage functionality.
- Use document pages. Use virtual tables. Use temporary tables.
- Review the various types of tables. Review different page and table C/AL functions.
- Create additional tables and pages to maintain registrations.
- Explain the working and posting tables.
- Explain the posting routines and their relationships.
- Create journal posting routines.
- Create document posting routines.
- Present the best practices for documenting changes to existing objects.
- Program for minimum effect on the application.
- Integrate previously created Seminar Management module features with one another.
- Explain the architecture of the Navigate feature.
- Extend the Navigate functionality to enable finding posted seminar information.
- Enable easier searching for information by adding Navigate functionality to Seminar Management pages.

Plus over 15 more objectives. Further details are available at: <https://mbittrainingltd.com/en/cside-solution-development-in-microsoft-dynamics-nav-2013-80437>

### Course Requirements:

Delegates looking to take this course (80437) must already have the following technical knowledge:

- knowledge of Microsoft Dynamics NAV 2013
- completed course 80436A C/SIDE Introduction in Microsoft Dynamics NAV 2013

### Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	5 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£1,550 (GBP)</b>

# Finance Essentials in Microsoft Dynamics NAV 2013 (80534)

This two-day course provides delegates with the tools to set up the financial management application area. The focus is on the key financial functions within the organization such as the Cash Management, the management of VAT, Journal development and transactions, the General Ledger, and Receivables and Payables Management. This course is intended for a partner that sells and implements the finance module to customers. The typical partner has an ERP background and is strong in accounting principles.

## At Course Completion

- Explain and set up the fields on the General Ledger Setup window.
- Explain and set up Accounting Periods.
- Explain how to use the Chart of Accounts.
- Explain the elements of the G/L Account Card.
- Explain the elements of the G/L Account Card ribbon.
- Explain the elements of the Chart of Account ribbon.
- Explain the general journal entry and posting system.
- Create and post general journal entries.
- Describe standard general journals.
- Describe recurring general journals and include the fields and allocations.
- Show how to use recurring journals with allocations and how to record accruals.
- Explain how to reverse and correct journal entries.
- Describe the Bank Account Card.
- Explain the Payments FastTab on the customer card.
- Explain the Payments FastTab on the vendor card.
- Show how to enter and post payments received from customers, by using cash receipt journals.
- Show how to enter and post payments to vendors by using the payment journal.
- Explain the Suggest Vendor Payments batch job.
- Explain how to print and post payables checks.
- Explain and show how to financially void a check.
- Explain how to void and reprint computer checks.
- Explain how to apply entries to customer and vendor ledger entries.
- Explain how to unapply entries to customer and vendor ledger entries.

Plus over 30 more objectives. Further details are available at:

<https://mbittrainingltd.com/en/finance-essentials-in-microsoft-dynamics-nav-2013-80534>

## Course Requirements:

Delegates looking to take this course (80534) must already have the following technical knowledge:

- attended course 80439A: Introduction in Microsoft Dynamics NAV 2013.
- attended course 80435A: Application Setup in Microsoft Dynamics NAV 2013.
- basic knowledge of accounting principles and procedures.

## Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	2 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£620 (GBP)</b>

## Installation & Configuration in Microsoft Dynamics NAV 2013 (80438)

This two-day course is designed for delegates who are preparing to complete the installation and configuration of Microsoft Dynamics NAV 2013. This course is intended for partner that sells and implements the Install and Configuration module to customers. The typical partner has an ERP background.

### At Course Completion

- Understand the Microsoft Dynamics NAV 2013 architecture and its core components
- Understand the client options supported in Microsoft Dynamics NAV 2013
- Understand the different setup options
- Understand the operating system and software prerequisites for Microsoft Dynamics NAV 2013
- Select the correct Microsoft Windows Server Edition for the core components
- Select the correct Microsoft SQL Server edition for the Microsoft Dynamics NAV 2013 environment
- Explain how to install and configure Microsoft Dynamics NAV Server
- Explain how to manage Microsoft Dynamics NAV Server instances
- Explain how to administer Microsoft Dynamics NAV Server
- Explain how to setup Microsoft Dynamics NAV Server to support wide area network connections
- Illustrate how to setup Microsoft Dynamics NAV Application Server
- Install Microsoft Dynamics NAV 2013 in a stand-alone environment
- Install Microsoft Dynamics NAV 2013 RoleTailored clients for Windows on a network
- Install Microsoft Dynamics NAV Web client
- Install Microsoft Dynamics NAV Portal Framework for Microsoft SharePoint
- Install additional languages
- Explain how to configure the Microsoft Dynamics NAV RoleTailored client for Windows to support WAN connections
- Explain how to install additional interface languages for Microsoft Dynamics NAV 2013
- Install the Development environment

Plus over 15 more objectives. Further details are available at:

<https://mbittrainingltd.com/en/installation-and-configuration-in-microsoft-dynamics-nav-2013-80438>

### Course Requirements

Delegates looking to take this course (80438) must already have the following technical knowledge:

- An understanding of Windows Server and Client operating systems and Active Directory
- An understanding of Microsoft SQL Server 2008 or 2012

Course information:

Available on-site:	Yes + Virtual Classroom Delivery
Locations available:	All MBIT Locations
Duration:	2 days
Lead time required:	2 weeks
Minimum booking:	1 delegate for on-site delivery. 2 delegates at MBIT locations.
Package contents:	Courseware and training only. Exam voucher and practice test materials to be purchased separately
<b>Price</b>	<b>£620 (GBP)</b>

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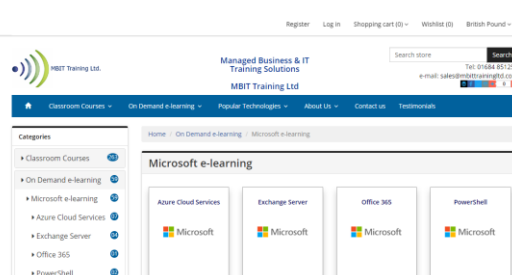
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