

# **413 – Designing and Implementing a Server Infrastructure**

## **Microsoft Official Courses (MOC)**

### **Course 20413 (20413C): Designing and Implementing a Server Infrastructure**



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### **3a Kypca (About this Course):**

- Get hands-on instruction and practice planning, designing and deploying a physical and logical Windows Server® 2012 R2 enterprise infrastructure in this 5-day Microsoft Official course. This course is part one in a series of two courses that

provides the skills and knowledge necessary to design and implement a Windows Server 2012 R2 infrastructure in an enterprise environment. The two courses collectively cover designing, planning, deploying, securing, monitoring, automating, and virtualizing an enterprise server infrastructure. This course covers the knowledge and skills needed to provide an enterprise solution that supports manual and automated server installations in a physical and virtual environment including the supporting file and storage services. You will also learn the skills necessary to provide enterprise networking solutions such as DHCP, IPAM, VPN, and DirectAccess. You will also learn the skills necessary to design and implement a forest and domain infrastructure including multi domains/forest and branch office scenarios. This course maps directly to and is the preferred choice for hands-on preparation for Microsoft Certified Solutions Expert (MCSE): Exam 413: Designing and Implementing and Server Infrastructure, which is the fourth of five exams required for MCSE: Server Infrastructure certification.

NOTE: Labs in this course are based on Windows Server 2012 R2 and System Center 2012 R2. This course is designed for experienced IT professionals who support medium to large enterprises and have experience administering Windows Server 2012 R2 and have an MCSA: Windows Server 2012 certification or equivalent skills.

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## **Цели – Какво ще научите (Course Goals/Skills):**

- Plan server upgrade and migration.
  - Plan and implement a server deployment strategy.
  - Plan and deploy servers by using System Center 2012 R2 Virtual Machine Manager (VMM).
  - Design and maintain an IP configuration and address management solution.
  - Design and implement name resolution.
  - Design and implement an AD DS forest and domain infrastructure.
  - Design and implement an AD DS organizational unit (OU) infrastructure.
  - Design and implement a Group Policy Object (GPO) strategy.
  - Design and implement an AD DS physical topology.
  - Plan and implement storage and file services.
  - Design and implement network protection.
  - Design and implement remote access services.
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## **Курсът е предназначен за (Audience):**

- This course is intended for IT professionals who are responsible for planning, designing, and deploying a physical and a logical Windows Server 2012 enterprise Active Directory® Domain Services (AD DS) infrastructure including the network services necessary. They have experience of previous Windows Server operating systems and possess Windows Server 2012 certification Microsoft Certified Solutions Associate (MCSA) or equivalent

skills. The course is also intended for IT professionals who are looking to take the exam 70-413: Designing and Implementing a Server Infrastructure, as a stand-alone, or as part of the requirement for the Microsoft Certified Solutions Expert (MCSE): Server Infrastructure Certification.

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## **Формат на курса (Course Format):**

<input type="checkbox"/>	<input type="checkbox"/>
<b>Присъствен (Classroom) Курс в Учебната ни зала или В Офис на Клиент</b>	<b>Онлайн (Online/Virtual) Курс във виртуална зала с инструктор</b>

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## **Език на курса (Course Language Option)**

<input type="checkbox"/>	<input type="checkbox"/>
<b>Български (Bulgarian)</b>	<b>Английски (English)</b>

**Може да изберете Език на който да се проведе обучението – български или английски. Всичките ни инструктори владеят свободно английски език.**

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## **Учебни Материали (Student Guides) :**



Учебните материали са достъпни в електронен формат. Могат да се ползват online/offline на всяко устройство. Доживотен достъп.

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## **Лабораторна среда (Lab Environment) :**





Всеки курсист разполага със собствена лаб среда, където се провеждат упражненията, част от курса. Не е необходимо да инсталирате софтуер на компютър или специални изисквания за хардуер.

Участниците в присъствен формат в Учебния ни център разполагат с индивидуален компютър по време на обучението.

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**След завършване получавате (At Course Completion) :**

	
<b>Lifetime Access - Video Archive 24/7</b>	<b>Certificate of Course Completion</b>

Доживотен достъп до видео архив с запис на всяка отделна лекция.

Официален международно признат сертификат за завършен курс на обучение.

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## Продължителност (Course Duration):



- 5 работни дни (09:00 – 17:00)

**или**

- **40 уч.ч. обучение (теория и практика) в извънработно време с продължителност 4 седмици**
  - **събота и неделя 10:00 – 14:00, 14:00 – 18:00, 18:00 – 22:00**
  - **понеделник и сряда 19:00 – 23:00**
  - **вторник и четвъртък 19:00 – 23:00**
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## Плащане



[За този курс може да ползвате и платите с Microsoft Software Assurance Training Vouchers](#)

Заявка за издаване на фактура се приема към момента на записването на съответния курс.

Фактура се издава в рамките на 7 дни от потвърждаване на плащането.

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## Предстоящи Курсове (Next Class):



### ■ Notice

Няма предстоящи събития.

За повече информация използвайте формата за контакт.

Ще се свържем с Вас за потвърждаване на датите.

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## Предпоставки (Изисквания) за Участие (Prerequisites):

- Candidates for this course have good Windows client and server operating system knowledge and basic AD DS and

networking experience in an enterprise/small business (SMB) environment together with application configuration experience.

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- A good understanding of Transmission Control Protocol/Internet Protocol (TCP/IP) fundamentals and networking concepts.
- A good working knowledge of both Windows Server 2012 R2 and Active Directory® Domain Services (AD DS). For example, domain user accounts, domain vs. local user accounts, user profiles, and group membership.
- A good understanding of both scripts and batch files.
- A solid understanding of security concepts, such as authentication and authorization.
- Familiarity with deployment, packaging, and imaging tools.
- Ability to work in a team/virtual team.
- Ability to produce good documentation and have the appropriate communication skills to create proposals and make budget recommendations.
- Knowledge equivalent to Windows 2012 R2 MCSA.

Students who attend this training can meet the prerequisites by attending the following courses, or obtaining equivalent knowledge and skills:

- 20410D: Installing and Configuring Windows Server 2012
- 20411D: Administering Windows Server 2012
- 20412D: Configuring Advanced Windows Server 2012 Services

**OR**

- 20417D: Upgrading Your Skills to MCSA Windows Server 2012

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Курсът подготвя за следните  
сертификационни нива

**.70 - 413 Designing and  
Implementing a Server  
Infrastructure**

- [Може да се сертифицирате в нашия тест център с ваучер с отстъпка от цената на изпит.](#)