

# **Exam Ref 70 413 Designing And Implementing A Server Infrastructure Mcse 2nd Edition Paperback July 21 2014**

## **Exam Ref 70-413: Designing and Implementing a Server Infrastructure (MCSE, 2nd Edition) - A Comprehensive Review**

The Microsoft Certified Solutions Expert (MCSE) certification remains a highly sought-after credential in the IT industry. For those aiming to specialize in server infrastructure, the \*Exam Ref 70-413: Designing and Implementing a Server Infrastructure\* (2nd Edition, published July 21, 2014) served as a crucial resource. While newer exam numbers and updated content exist, understanding the legacy of this book provides valuable insight into core server infrastructure concepts that remain relevant today. This article provides a comprehensive review of this influential guide, examining its content, value, and lasting impact on IT professionals preparing for server infrastructure certifications. We will explore key topics such as **server virtualization, network infrastructure design, and high availability solutions**, all crucial elements covered within the book.

### **Understanding the Exam and its Relevance**

Exam 70-413 focused on the design and implementation of robust and scalable server infrastructures. It wasn't simply about installing servers; it delved deep into architectural considerations, best practices, and the practical application of Microsoft technologies. The second edition, released in July 2014, reflected the advancements in server technologies at that time, including significant advancements in **Windows Server 2012 R2** features

and capabilities. This book prepared candidates for a challenging exam that demanded a comprehensive understanding of both theoretical concepts and practical implementation skills. Many of the core principles detailed in the book, such as designing for redundancy and utilizing efficient storage solutions, remain fundamental aspects of server administration even with the evolution of cloud computing.

## Key Features and Strengths of the Book

The \*Exam Ref 70-413\* was lauded for its practical, exam-focused approach. It didn't simply present information; it actively engaged readers through:

- **Hands-on exercises:** The book incorporated practical exercises that allowed readers to apply the concepts learned. This practical approach was essential for solidifying understanding and preparing for the exam's hands-on components.
- **Clear explanations and real-world examples:** Complex concepts were broken down into digestible chunks, using clear language and relatable examples. This made the learning process more accessible, even for those with limited prior experience.
- **Focus on best practices:** The book emphasized industry best practices, ensuring readers weren't just learning the "how," but also the "why" behind certain design choices. This focus on best practices enhanced the overall value of the book beyond exam preparation.
- **Comprehensive coverage:** The book thoroughly covered a wide array of topics, including network design, server virtualization using Hyper-V, storage solutions, high availability, and disaster recovery. This breadth of coverage was vital for comprehensive exam preparation.
- **Up-to-date content (for its time):** For its release date, the content reflected the current state of server technologies and best practices. This ensured that readers were learning relevant and applicable skills.

## Content Areas Covered: A Deeper Dive

The \*Exam Ref 70-413\* addressed crucial aspects of server infrastructure design and implementation. These included:

- **Designing and Implementing Network Infrastructure:** This section covered topics like network topologies, IP addressing schemes, and network security considerations. Understanding network infrastructure is paramount to efficient server deployment.

- **Virtualization with Hyper-V:** A substantial portion of the book focused on Microsoft's Hyper-V virtualization platform. Readers learned about creating virtual machines, managing virtual networks, and utilizing Hyper-V's advanced features for improved resource utilization and scalability.
- **Storage Solutions:** Efficient storage solutions are essential for any server infrastructure. The book covered various storage options, including SANs, NAS, and iSCSI, and discussed strategies for implementing high-availability storage solutions.
- **High Availability and Disaster Recovery:** The book stressed the importance of designing for high availability and implementing robust disaster recovery plans. This included strategies for redundancy, failover clustering, and data backup and recovery.
- **Active Directory and Group Policy:** These crucial components of the Windows Server ecosystem were thoroughly covered, emphasizing their role in managing users, computers, and security policies within the server infrastructure.

## Legacy and Continuing Relevance

While the \*Exam Ref 70-413\* is no longer the current exam preparation material, its core principles remain timeless. The concepts of server virtualization, network design, high availability, and disaster recovery remain crucial for IT professionals regardless of the specific technologies used. The book serves as a strong foundation for understanding fundamental server infrastructure concepts, making it a valuable resource even today for those seeking to build their knowledge base. Many of the problem-solving strategies and design considerations presented within the text continue to be applicable in modern cloud-based and hybrid server environments.

## Frequently Asked Questions (FAQs)

### Q1: Is the 70-413 exam still relevant today?

A1: No, the 70-413 exam has been retired. Microsoft has updated its certification tracks and exam numbers. However, the underlying concepts covered in the exam, such as server virtualization, network infrastructure design, and high availability, remain critical and are covered in newer certifications. The book's content provides a solid foundation in those fundamental principles.

**Q2: What are some good alternatives to the Exam Ref 70-413 book for learning server infrastructure today?**

A2: Microsoft's official documentation and training materials for current Windows Server versions are excellent resources. Additionally, many online courses and training platforms offer updated material covering similar topics. Searching for courses on "Microsoft Server Administration," "Azure Infrastructure," or "Cloud Computing" will yield many relevant results.

**Q3: What specific Microsoft technologies are covered in the book that are still relevant?**

A3: While specific versions of software might be outdated, the underlying concepts related to Active Directory, Group Policy, and Hyper-V remain highly relevant. Understanding these core technologies is crucial regardless of the specific version being used.

**Q4: How does this book compare to other MCSE preparation books?**

A4: The \*Exam Ref 70-413\* was known for its practical approach and clear explanations, making it a popular choice among students. Its strength lay in the balance between theoretical knowledge and hands-on application, preparing students well for the practical elements of the exam.

**Q5: Can this book help me prepare for cloud-based server infrastructure certifications?**

A5: While the book focuses on on-premises infrastructure, understanding the core concepts covered (like virtualization, networking, and high availability) will be beneficial when learning about cloud-based solutions. Many cloud platforms use similar underlying principles.

**Q6: Is the book suitable for beginners?**

A6: While it's not a beginner's introduction to IT in general, the book provides explanations that make it accessible to individuals with some prior IT experience. However, a basic understanding of networking and server concepts would be helpful.

**Q7: Where can I find a copy of this book?**

A7: Due to its age, finding new copies might be challenging. Used copies can ~~often be found online through used book marketplaces like Amazon or eBay.~~

**Q8: What are the key takeaways from this book even for current IT professionals?**

A8: The key takeaway remains a strong foundation in the fundamentals of server infrastructure design and implementation. The book emphasizes best practices and problem-solving approaches that are valuable regardless of the specific technologies used. Understanding these core principles will benefit IT professionals in any environment, whether on-premises, cloud-based, or hybrid.

Exam Ref 70-413 Designing and Implementing a Server Infrastructure MCSE  
2nd Edition Paperback July 21, 2014: A Deep Dive

This textbook offers a comprehensive exploration of server infrastructure design and execution, aligning perfectly with the aims of the Microsoft Certified Solutions Expert (MCSE) certification assessment. Released in July 2014, this revised version provides current information vital for aspiring and experienced IT professionals. This analysis will delve into its material, highlighting its key strengths and usable applications.

The resource is structured to methodically guide the reader through the nuances of server infrastructure management. It begins with a solid foundation in fundamental principles, covering topics like network designs, virtual machine technology, and data storage options. Each principle is explained using concise language, often employing helpful analogies to make abstract ideas more accessible. For example, the explanation of load balancing is simply illustrated using the analogy of a popular shop, where multiple servers share the workload to prevent slowdowns.

The central sections of the manual delve into precise methods relevant to server infrastructure. This encompasses a range of areas such as Active Directory setup, management policies deployment, and fault tolerance strategies. The creators don't just present the principles; they provide practical instructions and applicable examples. This technique makes the information highly applicable for readers who are immediately involved in implementing server infrastructures.

Furthermore, the textbook pays significant emphasis to security. It covers topics like access control, security protocols, and data backup planning. The value of a protected server infrastructure is continuously stressed, and best practices are clearly laid out. This aspect is crucial for any IT expert aiming to build a robust system.

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The publication's strength lies in its ability to bridge theoretical knowledge with real-world application. It's not just a compilation of facts and figures; it's a manual that helps readers to create and administer their own server infrastructure. The inclusion of sample questions and mock tests further reinforces the learning process and helps prepare readers for the actual MCSE test.

In closing, Exam Ref 70-413: Designing and Implementing a Server Infrastructure is an crucial resource for anyone seeking an MCSE certification or just looking to expand their skills in server infrastructure control. Its lucid writing style, real-world examples, and emphasis on safety make it a useful addition to any IT professional's library.

### **Frequently Asked Questions (FAQs):**

#### **1. Q: Is this book suitable for beginners?**

**A:** While it assumes some basic IT knowledge, the book's clear explanations and step-by-step guides make it accessible to beginners with a strong work ethic and willingness to learn.

#### **2. Q: Does the book cover cloud-based server infrastructure?**

**A:** While not the primary focus, the book touches upon virtualization and cloud concepts, providing a foundation for understanding those environments.

#### **3. Q: How up-to-date is the information in this 2014 edition?**

**A:** Given its age, some specific technologies may have evolved. However, the core principles and concepts remain highly relevant and form a solid basis for understanding modern server infrastructure. For the most current information, always consult Microsoft's official documentation.

#### **4. Q: Is this book enough to pass the 70-413 exam?**

**A:** The book is designed to help prepare for the exam, but supplementary learning and hands-on practice are strongly recommended for success.

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