

active directory windows server 2012 ppt

Active Directory Windows Server 2012 PPT: A Comprehensive Guide to Understanding and Presenting AD Concepts

active directory windows server 2012 ppt is a popular search term among IT professionals, students, and system administrators who want to learn or teach the fundamentals of Active Directory (AD) specifically within the Windows Server 2012 environment. Whether you're preparing for a training session, a classroom lecture, or a corporate presentation, having a well-structured PowerPoint that clearly explains Active Directory's architecture, features, and management tools is essential. In this article, we'll explore key points that should be included in an effective Active Directory Windows Server 2012 PPT, along with insights to help you convey complex topics in an engaging and easy-to-understand manner.

Why Focus on Active Directory Windows Server 2012 in Your Presentation?

Windows Server 2012 marked a significant evolution in Microsoft's server operating systems, introducing enhanced Active Directory capabilities that improved scalability, security, and management. By focusing your presentation on Active Directory Windows Server 2012, you're addressing a widely used platform in many organizations. This makes your content highly relevant for audiences involved in network administration, infrastructure design, or those preparing for certifications like the Microsoft Certified Solutions Associate (MCSA).

Additionally, Windows Server 2012 brought new features such as Dynamic Access Control, improved Group Policy management, and the introduction of the Active Directory Administrative Center, all of which are important topics to cover in any comprehensive PPT.

Key Components to Include in an Active Directory Windows Server 2012 PPT

1. Introduction to Active Directory

Start your presentation by explaining what Active Directory is: a directory service developed by Microsoft for Windows domain networks. Highlight how it centralizes management of resources like users, computers, and printers, enabling easier administration and security enforcement.

You can discuss:

- The role of Active Directory in identity and access management

- Basic concepts such as domains, trees, forests, and organizational units (OUs)
- The importance of a domain controller in authenticating users and services

Visual aids can help here—consider diagrams illustrating the hierarchical structure of Active Directory domains and forests.

2. Windows Server 2012 Active Directory Features

After laying the foundation, dive into what makes Active Directory on Windows Server 2012 unique. Focus on new and improved features compared to previous versions like Server 2008 R2.

Some essential topics to cover:

- **Dynamic Access Control (DAC):** Explain how DAC allows administrators to create conditional access policies based on user attributes, device claims, and resource classifications, enhancing security and compliance.
- **Active Directory Administrative Center (ADAC):** Showcase the centralized, task-oriented management console introduced in Server 2012, which simplifies routine tasks like resetting passwords or unlocking accounts.
- **Group Policy Enhancements:** Highlight improvements such as policy caching, which speeds up policy application on slow network connections, and the new Group Policy PowerShell module.
- **Virtualization-Safe Domain Controllers:** Describe how Server 2012 supports cloning domain controllers, which accelerates deployment in virtualized environments.

Including screenshots or demo videos in your PPT can make these features more tangible for your audience.

Understanding Active Directory Architecture and Components

Domain Controllers and Replication

A crucial part of any Active Directory presentation is explaining how domain controllers (DCs) work together to maintain consistency across the network. Dive into the replication process, the role of the Global Catalog, and how multi-master replication ensures that changes propagate without conflicts.

You might want to discuss:

- Types of domain controllers: writable vs. read-only domain controllers (RODCs)
- Replication topology and sites: how AD uses sites and subnets to optimize replication traffic
- FSMO roles (Flexible Single Master Operations): what they are and why they matter

Visual diagrams showing replication between DCs and the interaction of various FSMO roles can enhance comprehension.

Organizational Units (OUs) and Group Policy Objects (GPOs)

Explain how OUs help logically organize users, groups, and computers to delegate administration and apply policies efficiently. Discuss best practices for OU design to avoid complexity.

Follow this with a deep dive into Group Policy:

- How GPOs control user and computer environments
- Scope and filtering of policies using security groups and WMI filters
- Tips on troubleshooting Group Policy application issues

Demonstrating Group Policy Management Console (GPMC) screenshots or showing sample policies can be very effective.

Active Directory Security in Windows Server 2012

Security is always a top concern when managing Active Directory. Your PPT should cover built-in security features and best practices.

Authentication and Authorization

Discuss how AD handles authentication with Kerberos and NTLM protocols, emphasizing the improvements in Server 2012 for more secure authentication.

Implementing Dynamic Access Control

Revisit DAC with an emphasis on security benefits:

- Using claims to enforce access based on device health or user department
- Centralized auditing and access-denied event tracking
- Real-world scenarios for DAC implementation

Group Managed Service Accounts (gMSA)

Explain how gMSAs simplify service account management by automatically managing passwords and allowing shared service accounts across multiple servers securely.

Tips for Creating an Effective Active Directory Windows Server 2012 PPT

Crafting a presentation about Active Directory can quickly become overwhelming due to the technical depth of the topic. Here are some tips to keep your PowerPoint engaging and informative:

- **Use Visuals Wisely:** Incorporate diagrams, flowcharts, and screenshots to break down complex concepts like replication topology or Group Policy flow.
- **Keep Slides Clear and Concise:** Avoid cramming too much information into one slide. Use bullet points to highlight key ideas.
- **Include Real-Life Examples:** Share scenarios such as how a company uses OUs to delegate permissions or how DAC can prevent unauthorized data access.
- **Leverage Demo Videos or Live Demos:** When possible, demonstrate AD features live or through recorded clips to show actual workflows.
- **Address Common Challenges:** Mention troubleshooting tips for replication errors, Group Policy conflicts, or domain controller failures.

Integrating PowerShell and Automation in Active Directory

No discussion about Active Directory in Windows Server 2012 is complete without mentioning PowerShell. The introduction of the Active Directory PowerShell module revolutionized how administrators manage AD objects and automate repetitive tasks.

You can include:

- Basic cmdlets like Get-ADUser, New-ADGroup, and Set-ADComputer
- How scripting reduces errors and saves time in bulk operations
- Sample scripts for common tasks such as disabling inactive accounts or generating reports

This section can empower your audience to take their AD management skills to the next level.

Active Directory Backup and Disaster Recovery

A critical topic to cover is how to safeguard Active Directory data. Discuss built-in backup options like Windows Server Backup, and the importance of regular system state backups.

Also, explain:

- Authoritative vs. non-authoritative restore
- Using the Directory Services Restore Mode (DSRM)
- Best practices for disaster recovery planning

Highlighting these points prepares administrators to minimize downtime and data loss in case of failure.

Whether you're preparing an educational session or training your IT team, building a thorough and engaging active directory windows server 2012 ppt is about blending technical accuracy with clarity. By focusing on key features, architectural details, security enhancements, and practical management tips, your presentation can become a valuable resource for anyone looking to master Active Directory in this robust server environment.

Frequently Asked Questions

What is Active Directory in Windows Server 2012?

Active Directory in Windows Server 2012 is a directory service that provides a centralized location for network administration and security. It allows administrators to manage permissions and access to network resources efficiently.

What are the key features of Active Directory in Windows Server 2012?

Key features include improved virtualization support, dynamic access control, enhanced PowerShell support, Active Directory Recycle Bin, and fine-grained password policies.

How can I create a PowerPoint presentation on Active Directory for Windows Server 2012?

To create a PPT on Active Directory Windows Server 2012, outline main topics like introduction, architecture, deployment, management tools, and security features. Use visuals such as diagrams of domain controllers, forests, trees, and group policies to enhance understanding.

What are the steps to install and configure Active Directory Domain Services on Windows Server 2012?

The steps include installing the AD DS role via Server Manager, promoting the server to a domain controller, configuring the domain name, setting up DNS, and verifying the installation using tools like Active Directory Users and Computers.

How does Active Directory improve security in Windows Server 2012 environments?

Active Directory improves security by enabling centralized authentication and authorization, enforcing password policies, managing user permissions, and supporting features like Group Policy Objects (GPOs) to control security settings across the network.

What are common troubleshooting tips for Active Directory in Windows Server 2012?

Common troubleshooting tips include checking DNS configuration, verifying replication status using tools like repadmin, reviewing event logs for errors, ensuring network connectivity between domain controllers, and using PowerShell cmdlets to diagnose issues.

Additional Resources

Active Directory Windows Server 2012 PPT: An In-Depth Exploration

active directory windows server 2012 ppt presentations serve as vital resources for IT professionals, system administrators, and enterprise architects aiming to understand or teach the core functionalities and architecture of Microsoft's directory service in Windows Server 2012. As organizations increasingly rely on centralized identity and access management, Active Directory (AD) remains a cornerstone technology. A well-structured PowerPoint presentation on Active Directory Windows Server 2012 not only simplifies complex concepts but also aids in strategic deployment and troubleshooting.

This article delves into the critical aspects of Active Directory in Windows Server 2012, the significance of PPT resources in training and implementation, and the nuanced features that distinguish this iteration from its predecessors. By analyzing the content and structure typically found in professional Active Directory Windows Server 2012 PPTs, readers gain a clearer perspective on what to expect and how to leverage such presentations effectively.

Understanding Active Directory in Windows Server 2012

Active Directory in Windows Server 2012 builds upon the robust foundation laid by earlier versions while introducing enhancements designed to improve scalability, security, and management. At its core, Active Directory is a directory service that stores information about objects on the network and makes this information easy for administrators and users to find and use.

Key Features Highlighted in Active Directory Windows Server 2012 PPTs

When studying or creating a presentation on Active Directory Windows Server 2012, certain features are frequently emphasized due to their impact on enterprise environments:

- **Dynamic Access Control (DAC):** This feature allows for more granular access management by enabling administrators to create policies based on user attributes and resource classification.
- **Group Managed Service Accounts (gMSA):** Simplifies service account management by allowing multiple servers to share a single managed account, enhancing security and reducing administrative overhead.
- **Active Directory Recycle Bin:** Provides an easy way to restore deleted objects without requiring a system state restore, improving recovery time and reducing downtime.
- **Improvements in PowerShell Support:** Windows Server 2012 significantly extends PowerShell cmdlets for Active Directory, facilitating automation and scripting.

These features are often dissected in PPT slides with diagrams, flowcharts, and use-case scenarios, making them accessible to varying levels of expertise.

Common Structure of an Active Directory Windows Server 2012 PPT

A comprehensive Active Directory Windows Server 2012 PPT typically follows a logical flow that aids comprehension:

1. **Introduction to Active Directory:** Overview of directory services, terminology, and historical context.
2. **Architecture and Components:** Explanation of domains, trees, forests, organizational units (OUs), and trust relationships.
3. **Installation and Deployment:** Step-by-step walkthroughs of Active Directory Domain Services (AD DS) setup.
4. **Management and Maintenance:** User and group management, Group Policy Objects (GPOs), replication, and backup strategies.
5. **Security Features:** Authentication protocols, DAC, and account policies.
6. **Troubleshooting:** Common issues and diagnostic tools.

This structure ensures that the audience can follow from foundational concepts to advanced topics systematically.

Comparative Analysis: Windows Server 2012 Active Directory vs. Other Versions

Understanding the evolutionary improvements of Active Directory in Windows Server 2012 is critical for professionals deciding on upgrades or deployments.

Enhancements Over Windows Server 2008 R2

While Windows Server 2008 R2 introduced several improvements, Windows Server 2012 brought significant refinements:

- **Improved PowerShell Integration:** The number of cmdlets increased dramatically, allowing for more comprehensive automation.
- **Dynamic Access Control:** A feature absent in 2008 R2, enabling centralized access policies based on user and device claims.
- **Group Managed Service Accounts:** Facilitated better management of service accounts across multiple servers.
- **Active Directory Recycle Bin Enhancements:** Enabled GUI-based restoration, simplifying the recovery process.

These enhancements are often focal points in Active Directory Windows Server 2012 PPTs to justify migration or upgrade efforts.

Comparisons with Windows Server 2016 and Later

Though Windows Server 2016 and subsequent releases further expanded Active Directory capabilities—such as Privileged Access Management and cloud integration—Windows Server 2012 remains a widely adopted platform in many enterprises due to its stability and feature set.

Presentations on Active Directory Windows Server 2012 often include comparative slides to highlight features that are unique or improved, helping stakeholders make informed decisions.

Utilizing Active Directory Windows Server 2012 PPTs for Training and Implementation

PowerPoint presentations are instrumental in conveying complex technical information in a digestible format. For Active Directory Windows Server 2012, PPTs serve multiple purposes:

Educational Tools for IT Teams

Training sessions frequently rely on PPTs to introduce new administrators to the intricacies of AD DS. Well-crafted slides with visuals and step-by-step guides facilitate quicker learning and retention. Typically, these presentations include:

- Visual diagrams of AD architecture and replication topology.
- Sample scenarios for group policy deployment and management.
- Interactive quizzes or review questions to reinforce learning.

Facilitating Deployment Planning

Before implementing or upgrading Active Directory, organizations use PPTs to map out deployment strategies. Such presentations often cover:

- Assessment of current infrastructure and readiness.
- Roadmaps for phased rollout.
- Risk analysis and mitigation plans.

These elements ensure stakeholders have a clear understanding of the project's scope and resource requirements.

Supporting Documentation for Troubleshooting

Operational teams benefit from PPTs that summarize troubleshooting procedures, common errors, and diagnostic tools. Slides may include:

- Stepwise approaches to resolving replication failures.
- Visual flowcharts for authentication issue resolution.
- Tips for leveraging event logs and performance monitors.

Such resources help reduce downtime and improve system reliability.

Challenges and Considerations in Active Directory Windows Server 2012

While Active Directory Windows Server 2012 offers robust features, it also presents challenges that are often discussed in professional presentations.

Complexity in Large Environments

As organizations scale, managing multiple domains and forests can become complex. Proper planning

of OU structures and Group Policies is critical to avoid administrative overhead and conflicting configurations.

Security Risks and Mitigations

Despite improvements like Dynamic Access Control, AD remains a primary target for cyberattacks. Presentations typically emphasize the importance of:

- Regular patch management.
- Implementing least privilege access.
- Monitoring and auditing user activities.

These measures help safeguard sensitive data and maintain compliance.

Migration and Upgrade Considerations

Transitioning from legacy systems to Windows Server 2012 AD requires careful planning. Presentations often highlight:

- Compatibility issues with existing applications.
- Data integrity during migrations.
- Training needs for IT personnel.

Addressing these factors ensures smoother transitions and minimizes disruptions.

Optimizing SEO with Targeted Keywords

In discussing active directory windows server 2012 ppt, integrating related terms naturally enhances content visibility. Keywords such as “Active Directory Domain Services,” “Windows Server 2012 AD features,” “Group Policy management,” “AD deployment best practices,” and “Active Directory security Windows Server 2012” are valuable for search optimization.

By embedding these LSI keywords throughout the article—without clustering—content becomes more relevant to search algorithms while maintaining readability. For instance, when explaining Dynamic Access Control, referencing “Windows Server 2012 AD security enhancements” aligns with common search queries.

Similarly, discussing PowerShell's role in Active Directory management can include phrases like "PowerShell cmdlets for Active Directory 2012," increasing the article's appeal to IT professionals seeking automation solutions.

The natural integration of these terms within explanations, comparisons, and use cases ensures the article ranks well and meets the informational needs of its target audience.

Active Directory Windows Server 2012 PPT materials continue to be essential resources for navigating the complexities of directory services in enterprise environments. Their structured content, combined with practical insights, empowers IT professionals to deploy, manage, and secure their networks effectively. As businesses evolve, such resources remain foundational to maintaining robust identity and access management infrastructures.

Active Directory Windows Server 2012 Ppt

active directory windows server 2012 ppt: [Mac Fan 2016](#)10 Mac Fan, 2016-08-29 AppleIBM Contents IBM IBM IBM MobileFirst for iOS IBM WatsonCognitiveIndividual EnterprizeWork Life IntegrationDesign Thinking Contents IBM IBM IBM MobileFirst for iOS IBM IBM MobileFirst for iOS IBM 1 “ ” MMS for Mac IBM IBM 2 Apple Apple Contents 3 Thunderbolt Display 2016 6 Mac ? Contents Mac ... iOS 10 macOS Sierra Apple Swift iPhone Imagine Cup Fab Mac Fan Basic Windows TIPS NO.1 × × iPhone

active directory windows server 2012 ppt: Administering Windows Server 2012 R2 Orin Thomas, 2014 Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on core infrastructure administration for Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Focuses on job-role-specific expertise for core infrastructure administration tasks Fully updated for Windows Server 2012 R2, including new practices Provides

in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-411 Topics include: Deploying and updating Windows Server 2012 R2 Managing account policies and service accounts Configuring name resolution Administering Active Directory Managing Group Policy application and infrastructure Configuring Group Policy settings and preferences Administering network policies Administering remote access Managing file services Monitoring and auditing Windows Server 2012 R2

active directory windows server 2012 ppt: 70-412 Configuring Advanced Windows Server 2012 Services R2 Microsoft Official Academic Course, 2014-11-24 This 70-412 Configuring Advanced Windows Server 2012 R2 Services textbook covers the third of three exams required for Microsoft Certified Solutions Associate (MCSA): Windows Server 2012 certification. This course will help validate the skills and knowledge necessary to administer a Windows Server 2012 Infrastructure in an enterprise environment. The three MCSA exams collectively validate the skills and knowledge necessary for implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. This Microsoft Official Academic Course is mapped to the 70-412 Configuring Advanced Windows Server 2012 Services exam skills, including the recent R2 objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of Advanced Windows Server 2012 Services such as advanced configuring tasks necessary to deploy, manage, and maintain a Windows Server 2012 infrastructure. It covers such skills as fault tolerance, certificate services, and identity federation. In addition, this book also covers such valuable skills as: • Implementing Advanced Network Services • Implementing Advanced File Services • Implementing Dynamic Access Control • Implementing Network Load Balancing • Implementing Failover Clustering • Implementing Disaster Recovery • Implementing Active Directory Certificate Services (AD CS) • Implementing Active Directory Federation Services (AD FS) The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.

active directory windows server 2012 ppt: *Windows Server 2012: Up and Running* Samara Lynn, 2012-11-12 If your organization plans to move to a cloud infrastructure from a LAN or WAN, this book shows you how to do it efficiently with Windows Server 2012. Experienced Windows administrators will learn how to deploy, configure, and manage the server's expanded capabilities and features step-by-step, using clear examples and numerous screen shots. You'll also discover how to integrate employees' private mobile devices into your corporate network. Whether you intend to take your infrastructure to a public, private, or hybrid cloud environment, Windows Server 2012 provides the virtualization technology to get you there. This book helps you put it to work. Control your entire Windows infrastructure from the Server Manager console Learn how Active Directory Domain Services provide more centralized network administration Use Dynamic Access Control to manage data and user permissions Provide data integrity and fault tolerance with Storage Spaces and ReFS Gain robust management of virtual environments with Hyper V R3 Master networking tools such as IPAM to help you move to the cloud Connect clients to network resources through Unified Remote Access

active directory windows server 2012 ppt: *Windows Server 2012 R2 Essentials & Configuration* William R. Stanek, 2014 Portable and precise, this pocket-sized guide delivers ready answers for core configuration and administrative tasks in Windows Server 2012 R2. Zero in on the essentials through quick-reference tables, instructions, and lists. You'll get the focused information you need to save time and get the job done - whether at your desk or in the field. Coverage includes: Administration overview Managing servers running Windows Server 2012 R2 Monitoring services,

processes, and events Automating administrative tasks, policies, and procedures Enhancing computer security Using Active Directory Core Active Directory administration Creating user and group accounts Managing existing user and group accounts

active directory windows server 2012 ppt: Training Guide Configuring Windows Server 2012 Advanced Services (MCSA) Orin Thomas, 2013-11-15 Configuring Advanced Windows Server 2012 Services Designed to help enterprise administrators develop real-world, job-role-specific skills—this Training Guide focuses on advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing advanced infrastructure services in Windows Server 2012 Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-412 Sharpen your skills. Increase your expertise. Configure full forest and domain trust relationships Configure Active Directory (AD) sites and manage AD replication Implement advanced DNS and DHCP solutions Install, configure, and manage AD Certificate Services Manage backups and recover servers Optimize storage and configure advanced file services Manage failover clustering and Network Load Balancing Move virtual machines from one Hyper-V server to another Implement Dynamic Access Control and Active Directory RMS Implement Active Directory Federation Services

active directory windows server 2012 ppt: Windows Server 2012 Unleashed Rand Morimoto, Michael Noel, Guy Yardeni, Omar Droubi, Andrew Abbate, Chris Amaris, 2012-09-10 This is the most comprehensive and realistic guide to Windows Server 2012 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2012's key innovations, including improved virtualization components, enhanced security tools, new web and management resources, and Windows 8 integration. Windows Server 2012 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2012 in large-scale environments since its earliest alpha releases, reaching back more than two years prior to its official launch. Microsoft MVP Rand Morimoto and his colleagues fully address every aspect of deploying and operating Windows Server 2012, including Active Directory, networking and core application services, security, migration from Windows Server 2003/2008, administration, fault tolerance, optimization, troubleshooting, and much more. Valuable for Windows professionals at all skill levels, this book will be especially indispensable for intermediate-to-advanced level professionals seeking expert, in-depth solutions. Every chapter contains tips, tricks, best practices, and lessons learned from actual deployments: practical information for using Windows Server 2012 to solve real business problems. Plan and migrate from Windows Server 2003 and 2008 Leverage powerful capabilities that are truly new in Windows Server 2012 Install Windows Server 2012 and the GUI-less Windows Server Core Upgrade to Windows Server 2012 Active Directory Utilize advanced AD capabilities including federated forests and identity management Plan and deploy network services, from DNS and DHCP to IPv6, IPAM, and IIS Protect systems and data with server-level security, transport-level security, and security policies Deliver true end-to-end secured anytime/anywhere access to remote/mobile clients Efficiently configure and manage users, sites, OUs, domains, and forests through Server Manager console Create more fault-tolerant environments with DFS, clustering, and Network Load Balancing Leverage major Hyper-V virtualization improvements in availability, redundancy, and guest support Manage Active Directory more efficiently with Active Directory Administrative Center, Best Practice Analyzer, and PowerShell scripts Systematically tune, optimize, debug, and troubleshoot Windows Server 2012

active directory windows server 2012 ppt: Training Guide Installing and Configuring Windows Server 2012 R2 (MCSA) Mitch Tulloch, 2014-05-08 Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on deploying and managing core infrastructure services in Windows Server

2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing core infrastructure services Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-410 Topics include: Preparing for Windows Server 2012 R2 Deploying servers Server remote management New Windows PowerShell capabilities Deploying domain controllers Active Directory administration Network administration Advanced networking capabilities

active directory windows server 2012 ppt: Active Directory Administration for Windows Server 2012 & Windows Server 2012 R2: The Personal Trainer William Stanek, 2015-07-16 Your Personal Trainer for Active Directory! Learning Active Directory administration doesn't have to be a frustrating experience, you can learn everything you need to manage Active Directory effectively by reading this book. To learn how to manage Active Directory, you need practical hands-on advice from an expert who understands what it is like to just start out. By working step by step through essential tasks, you can learn to: • Install forests, domain trees, and child domains • Add and remove writable domain controllers • Deploy and manage read-only controllers • Configure, maintain, and troubleshoot global catalog servers • Maintain directory and data integrity using operations masters • Evaluate sites, subnets, and replication before expanding a network • Establish a trust relationship between domains and between forests • Maintain and recover Active Directory Domain Services • Employ essential tools and command-line utilities This book is designed for anyone who wants to learn how to manage Active Directory, including those who manage or support computers running Windows Server 2012 and Windows Server 2012 R2. Inside, you'll find comprehensive overviews, step-by-step procedures, frequently used tasks, documented examples, and much more. One of the goals is to keep the content so concise that the book remains compact and easy to navigate while at the same time ensuring that the book is packed with as much information as possible--making it a valuable resource.

active directory windows server 2012 ppt: Windows Server 2012: Install, Configure, and Administer Active Directory, 2015 Learn how to install, configure, and administer Active Directory and organize computers, users, groups, and other objects on your Windows-based network.

active directory windows server 2012 ppt: Training Guide Configuring Advanced Windows Server 2012 R2 Services (MCSA) Orin Thomas, 2014-05-06 Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on configuration of advanced services in Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Focuses on job-role-specific expertise for advanced configuration tasks Fully updated for Windows Server 2012 R2, including new practices Provides in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-412 Topics include: Advanced Active Directory Infrastructure Active Directory Sites and Replication Advanced DHCP and DNS Active Directory Certificate Services Backup and Recovery Advanced File Services and Storage High Availability Site Resilience Dynamic Access Control and Active Directory Rights Management Services Active Directory Federation Services

active directory windows server 2012 ppt: Windows Server 2012 R2 Pocket Consultant Volume 1 William Stanek, 2014-03-15 Portable and precise, this pocket-sized guide delivers ready answers for core configuration and administrative tasks in Windows Server 2012 R2. Zero in on the essentials through quick-reference tables, instructions, and lists. You'll get the focused information you need to save time and get the job done - whether at your desk or in the field. Coverage includes: Administration overview Managing servers running Windows Server 2012 R2 Monitoring services, processes, and events Automating administrative tasks, policies, and procedures Enhancing computer security Using Active Directory Core Active Directory administration Creating user and group accounts Managing existing user and group accounts

active directory windows server 2012 ppt: WINDOWS SERVER 2012 Anıl ERDURAN, 2013

Microsoft tarafından sunulan en güncel işletim sistemi sürümü olan Windows Server 2012'yi detaylı bir şekilde inceleyen en kapsamlı ve gerçekçi Türkçe kaynak olan "İleri Windows Server 2012" kitabı, yazarların Alpha ve Beta sürümlerinden beri gerçekleştirdikleri testlerden ve büyük ölçekli projelerden elde ettikleri deneyimlerin tamamını içermektedir. Her iki yazar da sektörde uzun yıllardır çalışmış, Türkiye ve dünyada birçok büyük ölçekli projelere danışman sıfatıyla imza atmıştır. Bu açıdan bakıldığında "İleri Windows Server 2012" teorik bilginin yanında günümüzde çok değerli olan saha deneyimini de sunabilen ender kaynaklardanır. Windows Server 2012 ile birlikte gelişen ve değişen modern BT altyapısında, iş gücü gereksinimleri dikkate alınmış; güvenli, esnek, genişletilebilir bir işletim sistemi tasarlanmıştır. Farklı sanallaştırma ve bulut mimarisi çözümlerinin desteklendiği Windows Server 2012 ile küçük, orta ve büyük veri merkezlerinde bulunan kritik iş uygulamalarının diğer Microsoft yönetim araçları ile tam entegre çalışabilmesi amaçlanmıştır. Bu kitap içerisinde sanallaştırma ve bulut çözümleri dışında güvenlik, uzaktan erişim, merkezi yönetim, PowerShell ve Network Servisleri konuları ileri seviyede anlatılmıştır. Kitap, içerisinde bulunan bölümlerde ipuçları, püf noktaları, saha projelerinden elde edilen deneyimleri ve pratik bilgileri harmanlayarak gerçek yaşam problemlerine çözüm üretme amacı taşıyan tüm seviyelerdeki BT profesyonellerinin yararlanabileceği bir kaynak haline getirilmiştir. • Active Directory Yenilikleri • DCPROMO'suz bir hayat • Domain Controller Klonlama • Offline Domain Join • PowerShell History Viewer • Active Directory Geri Dönüşüm Kutusu • Fine-Grained Password Policy Kullanıcı Arayüzü • Active Directory Yenilikleri • DCPROMO'suz bir hayat • Domain Controller Klonlama • Offline Domain Join • PowerShell History Viewer • Active Directory Geri Dönüşüm Kutusu • Fine-Grained Password Policy Kullanıcı Arayüzü • PowerShell ile Replikasyon Yönetimi • Windows Server 2008 AD Upgrade Senaryoları • Active Directory Tabanlı Aktivasyon • Active Directory Federation Services • DHCP Yenilikleri • DNS Yenilikleri • Network Policy Server Yenilikleri • Temel Kavramlar • Depolama Alanları • iSCSI Storage Kullanımı • FSRM (File Service Resource Manager) • DFS (Distributed File System) • Data Deduplication • SMB 3.0 • Kullanıcı Hesap Yönetimi • Parola Kuralları ve Kullanıcı Hesap Ayarları • Servis Hesapları ve Yönetimi • Bitlocker • Dynamic Access Control • AppLocker • DirectAccess • Branch-Cache • Sanallaştırma Teknolojisi • Bulut Bilişim • Microsoft Bulut Vizyonu • Hyper-V Yenilikleri • Virtual Machine Based Desktop Deployment • Session Based Desktop Deployment • Collections • RemoteApp Uygulamaları • RD Web Access Single Sign-On • Remote Desktop Windows Store Uygulaması • RD Connection Broker • RD Gateway Server • Remote-FX • RemoteFX USB Redirection • Windows PowerShell Workflow • Integrated Scripting Environment Yenilikleri • Web Tabanlı PowerShell • Güncellenebilir Yardım Sistemi • Scheduled Jobs Task Scheduler Entegrasyonu • Geliştirilmiş Otomatik-Yükleme • Yeni Komutlar • Server Manager • Server Grupları - Merkezi Yönetim • İzleme Araçları • Rol ve Özellik Kurulumları...

active directory windows server 2012 ppt: Windows Server 2012 - Installing, Configuring and

Maintaining Blerton Abazi, 2017-01-10 Through this book you will gain the skills and knowledge needed to implement a core Windows Server 2012, including Windows Server 2012 R2 infrastructure in an existing enterprise environment. You will learn how to implement and configure the core services, including Active Directory Domain Services (AD DS), networking services, and initial Hyper-V configuration. This course incorporates material from the Official Microsoft Learning Product 20410 and it can assist you in your preparation for Exam 70-410: Installing and Configuring Windows Server 2012. Exam 70-410 is one of three exams needed for the MCSA: Windows Server 2012 certification. What You'll Learn? Deploy and Manage Windows Server 2012 Active Directory Domain Services (AD DS) Administration Implement a Dynamic Host Configuration Protocol (DHCP) Implement Domain Name System (DNS) Implement IPv6 for simple scenarios Configure local storage on a server Implement file and print services Implement Group Policy Implement server virtualization using Hyper-V Who Needs To Attend IT professionals with Windows operating system knowledge and experience, looking to acquire the skills and knowledge necessary to implement the core infrastructure services in an existing Windows Server 2012 or Windows Server 2012 R2

environment.

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RMS, and security best practices to understand objects and components and how they can be used effectively. Next, the book will provide extensive coverage of AD Domain Services and Federation Services for Windows Server 2016, and help you explore their new features. Furthermore, you will learn to manage your identity infrastructure for a hybrid cloud setup. All this will help you design, plan, deploy, manage operations, and troubleshoot your enterprise identity infrastructure in a secure and effective manner. You'll later discover Azure AD Module, and learn to automate administrative tasks using PowerShell cmdlets. All along, this updated second edition will cover content based on the latest version of Active Directory, PowerShell 5.1 and LDAP. By the end of this book, you'll be well versed with best practices and troubleshooting techniques for improving security and performance in identity infrastructures. What you will learn Design your Hybrid AD environment by evaluating business and technology requirements Protect sensitive data in a hybrid environment using Azure Information Protection Explore advanced functionalities of the schema Learn about Flexible Single Master Operation (FSMO) roles and their placement Install and migrate Active Directory from older versions to Active Directory 2016 Control users, groups, and devices effectively Design your OU structure in the most effective way Integrate Azure AD with Active Directory Domain Services for a hybrid setup Who this book is for If you are an Active Directory administrator, system administrator, or network professional who has basic knowledge of Active Directory and is looking to become an expert in this topic, this book is for you.

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