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The economics of the public cloud are challenging, however, for customers with 24 x 7 x 365 service needs ... due in part to a Data Fabric enabled by NetApp that leverages the NetApp Data ONTAP ...

Do Cloud Your Way with New NetApp Data Fabric Solutions
"NetApp ONTAP AI helps streamline data flow and speed up analytics, training, and inference through a data fabric that cuts across edge, on-premises and cloud environments. By delivering unified AI ...

PTC Collaborates with NVIDIA and NetApp to Launch AI Integration Hub
NetApp on Tuesday introduced the ... in just five minutes -- meaning they can start an ONTAP instance in the cloud and have it start serving data in that span of time. Other new capabilities ...

NetApp updates ONTAP and other tools for more unified hybrid cloud management
NetApp® ONTAP® data management software has been the mainstay of enterprise data storage for more than two decades. Sophisticated features for data management, space efficiency, replication ...

AWS use cases with NetApp Cloud Volumes ONTAP
The consensus for fiscal fourth-quarter revenues is pegged at $1.5 billion, indicating growth of 7% from the prior ... advanced capabilities to its NetApp ONTAP data management software to help ...

Factors Setting the Tone for NetApp's (NTAP) Q4 Earnings
NetApp specifies up to 7 million input/output operations per second and ... Tiering software allows ONTAP to automatically move data between tiers. This serves to maximize performance for the most ...

Review: NetApp AFF A700s Supports a Wide Range of Storage Needs
Scale-out filesystem supplier Qumolo has launched its software on Microsoft's Azure public cloud. Qumulo on Azure as a Service (QaaS) can be used by customers to set up petabyte-scale file data lakes ...

Qumulo flies into Azure cloud
During their digital transformation to address these concerns, they must modernize their IT infrastructure and integrate new types of data into their existing environment. Learn how to create a ...

ONTAP 9 Data Management Software. Simplify your hybrid cloud. Unify your data
ONTAP is the operating system for NetApp's FAS (hybrid flash-disk) and AFF (all-flash) storage arrays. The latest version, 9.9, adds automatic backup and tiering of on-premises data to NetApp ...

NetApp makes big hybrid-cloud push
Law.com and Legaltech News are proud to announce this year's winners for the Legalweek Leaders in Tech Awards, celebrating the achievements of lawyers and companies leading technology, innovation and ...

The 2021 Legalweek Leaders in Tech Awards Winners Are Here!
New ONTAP Software and Hybrid Cloud Portfolio Enhancements Reduce Costs and Complexity; Provide Simple, Unified Data Management Across On-Premises and Public Cloud NetApp® (NASDAQ: NTAP) a global, ...

NetApp Delivers an Innovative, No-Compromise, Unified Hybrid Cloud Experience
"Ocean takes care of the infrastructure, while Data Mechanics takes ... manager for Spot by NetApp. [Related: NetApp Leans Hard Into Hybrid Cloud With New Ontap, FlexPod as a Service] NetApp ...

NetApp's Data Mechanics Buy Latest Move To Optimize Hybrid Cloud
Cloud Volumes ONTAP (CVO) leverages the NetApp ONTAP operating system in the cloud, bringing enterprise grade data management tools such as de-duplication, compression and compaction to reduce a ...

As digital transformation takes off, storage moves to the cloud
NetApp's flagship data management software is being built in India Blue-collar job search firm Apna raises $70mn 5 facts you must know about periods Govt, Infyosys to meet with taxpayers ...

NetApp's flagship data management software is being built in India
NetApp has acquired the managed platform provider for big data processing and cloud analytics Data Mechanics. Financial details of the transaction were not disclosed. Data Mechanics helps ...

When you hear IBM® Tivoli® Storage Manager, the first thing that you typically think of is data backup. Tivoli Storage Manager is the premier storage management solution for mixed platform environments. Businesses face a tidal wave of information and data that seems to increase daily. The ability to successfully and efficiently manage information and data has become imperative. The Tivoli Storage Manager family of products helps businesses successfully gain better control and efficiently manage the information tidal wave through significant enhancements in multiple facets of data protection. Tivoli Storage Manager is a highly scalable and available data protection solution. It takes data protection scalability to the next level with a relational database, which is based on IBM DB2® technology. Greater availability is delivered through enhancements such as online, automated database reorganization. This IBM Redbooks® publication describes the evolving set of data-protection challenges and how capabilities in Tivoli Storage Manager can best be used to address those challenges. This book is more than merely a description of new and changed functions in Tivoli Storage Manager; it is a guide to use for your overall data protection solution.

Data Warehousing in the Age of the Big Data will help you and your organization make the most of unstructured data with your existing data warehouse. As Big Data continues to revolutionize how we use data, it doesn't have to create more confusion. Expert author Krish Krishnan helps you make sense of how Big Data fits into the world of data warehousing in clear and concise detail. The book is presented in three distinct parts. Part 1 discusses Big Data, its technologies and use cases from early adopters. Part 2 addresses data warehousing, its shortcomings, and new architecture options, workloads, and integration techniques for Big Data and the data warehouse. Part 3 deals with data governance, data visualization, information life-cycle management, data scientists, and implementing a Big Data-ready data warehouse. Extensive appendixes include case studies from vendor implementations and a special segment on how we can build a healthcare information factory. Ultimately, this book will help you navigate through the complex layers of Big Data and data warehousing while providing you information on how to effectively think about using all these technologies and the architectures to design the next-generation data warehouse. Learn how to leverage Big Data by effectively integrating it into your data warehouse. Includes real-world examples and use cases that clearly demonstrate Hadoop, NoSQL, HBASE, Hive, and other Big Data technologies Understand how to optimize and tune your current data warehouse infrastructure and integrate newer infrastructure matching data processing workloads and requirements

One of the biggest challenges for companies today continues to be the cost of data storage, which is a large and rapidly growing IT expense. IBM® System Storage® N series incorporates a variety of storage efficiency technologies to help organizations lower this cost. This IBM Redbooks® publication focuses on two key components: N series deduplication and data compression. In this book we describe in detail how to implement and use both technologies and provide information on preferred practices, operational considerations, and troubleshooting. N series data compression and deduplication technologies can work independently or together to achieve optimal savings. We explain how N series data compression and deduplication work with Data ONTAP 8.1 operating in 7-Mode. We help you decide when to use compression and deduplication based on applications and data types to balance space saving against potential overhead. Optimization and usage considerations are included to help you determine your space savings.

IBM® System Storage® N series storage systems offer an excellent solution for a broad range of deployment scenarios. IBM System Storage N series storage systems function as a multiprotocol storage device that is designed to allow you to simultaneously serve both file and block-level data across a single network. These activities are demanding procedures that, for some solutions, require multiple, separately managed systems. The flexibility of IBM System Storage N series storage systems, however, allows them to address the storage needs of a wide range of organizations, including distributed enterprises and data centers for midrange enterprises. IBM System Storage N series storage systems also support sites with computer and data-intensive enterprise applications, such as database, data warehousing, workgroup collaboration, and messaging. This IBM Redbooks® publication explains the software features of the IBM System Storage N series storage systems with Clustered Data ONTAP (cDOT) Version 8.2, which is the first version available on the IBM System Storage N series, and as of October 2013, is also the most current version available. cDOT is different from previous ONTAP versions by the fact that it offers a storage solution that operates as a cluster with flexible scaling capabilities. cDOT configurations allow clients to build a scale-out architecture, protecting their investment and allowing horizontal scaling of their environment. This book also covers topics such as installation, setup, and administration of those software features from the IBM System Storage N series storage systems and clients, and provides example scenarios.

An expert guide for IT administrators needing to create and manage a public cloud and virtual network using Microsoft Azure With Microsoft Azure challenging Amazon Web Services (AWS) for market share, there has been no better time for IT professionals to broaden and expand their knowledge of Microsoft's flagship virtualization and cloud computing service. Microsoft Azure Infrastructure Services for Architects: Designing Cloud Solutions helps readers develop the skills required to understand the capabilities of Microsoft Azure for Infrastructure Services and implement a public cloud to achieve full virtualization of data, both on and off premise. Microsoft Azure provides granular control in choosing core infrastructure components, enabling IT administrators to deploy new Windows Server and Linux virtual machines, adjust usage as requirements change, and scale to meet the infrastructure needs of their entire organization. This accurate, authoritative book covers topics including IaaS cost and options, customizing VM storage, enabling external connectivity to Azure virtual machines, extending Azure Active Directory, replicating and backing up to Azure, disaster recovery, and much more. New users and experienced professionals alike will: Get expert guidance on understanding, evaluating, deploying, and maintaining Microsoft Azure environments from Microsoft MVP and technical specialist John Savill Develop the skills to set up cloud-based virtual machines, deploy web servers, configure hosted data stores, and use other key Azure technologies Understand how to design and implement serverless and hybrid solutions Learn to use enterprise security guidelines for Azure deployment Offering the most up to date information and practical advice, Microsoft Azure Infrastructure Services for Architects: Designing Cloud Solutions is an essential resource for IT administrators, consultants and engineers responsible for learning, designing, implementing, managing, and maintaining Microsoft virtualization and cloud technologies.

Corporate workgroups, distributed enterprises, and small to medium-sized companies are increasingly seeking to network and consolidate storage to improve availability, share information, reduce costs, and protect and secure information. These organizations require enterprise-class solutions capable of addressing immediate storage needs cost-effectively, while providing an upgrade path for future requirements. IBM® System Storage® N series storage systems and their software capabilities are designed to meet these requirements. IBM System Storage N series storage systems offer an excellent solution for a broad range of deployment scenarios. IBM System Storage N series storage systems function as a multiprotocol storage device that is designed to allow you to simultaneously serve both file and block-level data across a single network. These activities are demanding procedures that, for some solutions, require multiple, separately managed systems. The flexibility of IBM System Storage N series storage systems, however, allows them to address the storage needs of a wide range of organizations, including distributed enterprises and data centers for midrange enterprises. IBM System Storage N series storage systems also support sites with computer and data-intensive enterprise applications, such as database, data warehousing, workgroup collaboration, and messaging. This IBM Redbooks® publication explains the software features of the IBM System Storage N series storage systems. This book also covers topics such as installation, setup, and administration of those software features from the IBM System Storage N series storage systems and clients and provides example scenarios.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Now fully updated: The authoritative, comprehensive guide to vSphere 6 storage implementation and management Effective VMware virtualization storage planning and management has become crucial—but it can be extremely complex. Now, VMware's leading storage expert thoroughly demystifies the "black box" of vSphere 6 storage and provides illustrated, step-by-step procedures for performing every key task associated with it. Mostafa Khalil presents techniques based on years of personal experience helping customers troubleshoot storage in their vSphere production environments. Drawing on more experience than anyone else in the field, he combines expert guidelines, insights for better architectural design, best practices for planning and management, common configuration details, and deep dives into both vSphere and third-party storage. Storage Design and Implementation in vSphere 6, Second Edition will give you the deep understanding you need to make better upfront storage decisions, quickly solve problems if they arise, and keep them from occurring in the first place. Coverage includes: Planning and implementing Fibre Channel, FCoE, and iSCSI storage in vSphere virtualized environments Implementing vSphere Pluggable Storage Architecture native multipathing, SATP, PSP, plug-ins, rules, registration, and more Working with Active/Passive and Pseudo-Active/Active ALUA SCSI-3 storage arrays Maximizing availability with multipathing and failover Improving efficiency and value by unifying and centrally managing heterogeneous storage configurations Understanding Storage Virtualization Devices (SVDs) and designing storage to take advantage of them Implementing VMware Virtual Machine File System (VMFS) to maximize performance and resource utilization Working with virtual disks and raw device mappings (RDMs) Managing snapshots in VMFS and Virtual Volumes environments Implementing and administering NFS, VAAI, Storage vMotion, VisorFS, and VASA Integrating VSAN core and advanced features Using Virtual Volumes to streamline storage operations and gain finer VM-level control over external storage

The era of seemingly unlimited growth in processor performance is over: single chip architectures can no longer overcome the performance limitations imposed by the power they consume and the heat they generate. Today, Intel and other semiconductor firms are abandoning the single fast processor model in favor of multi-core microprocessors--chips that combine two or more processors in a single package. In the fourth edition of Computer Architecture, the authors focus on this historic shift, increasing their coverage of multiprocessors and exploring the most effective ways of achieving parallelism as the key to unlocking the power of multiple processor architectures. Additionally, the new edition has expanded and updated coverage of design topics beyond processor performance, including power, reliability, availability, and dependability. CD System Requirements PDF Viewer The CD material includes PDF documents that you can read with a PDF viewer such as Adobe, Acrobat or Adobe Reader. Recent versions of Adobe Reader for some platforms are included on the CD. HTML Browser The navigation framework on this CD is delivered in HTML and JavaScript. It is recommended that you install the latest version of your favorite HTML browser to view this CD. The content has been verified under Windows XP with the following browsers: Internet Explorer 6.0, Firefox 1.5; under Mac OS X (Panther) with the following browsers: Internet Explorer 5.2, Firefox 1.0.6, Safari 1.3; and under Mandriva Linux 2006 with the following browsers: Firefox 1.0.6, Konqueror 3.4.2, Mozilla 1.7.11. The content is designed to be viewed in a browser window that is at least 720 pixels wide. You may find the content does not display well if your display is not set to at least 1024x768 pixel resolution. Operating System This CD can be used under any operating system that includes an HTML browser and a PDF viewer. This includes Windows, Mac OS, and most Linux and Unix systems. Increased coverage on achieving parallelism with multiprocessors. Case studies of latest technology from industry including the Sun Niagara Multiprocessor, AMD Opteron, and Pentium 4. Three review appendices, included in the printed volume, review the basic and intermediate principles the main text relies upon. Eight reference appendices, collected on the CD, cover a range of topics including specific architectures, embedded systems, application specific processors--some guest authored by subject experts.

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