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Arcserve® Unified Data Protection

Arcserve UDP Solutions Guide
Version 6.0

arcserve

Arcserve UDP v6.5
Simply More: More innovation, more cloud, more control

INGRAM
arcserve
assured recovery™
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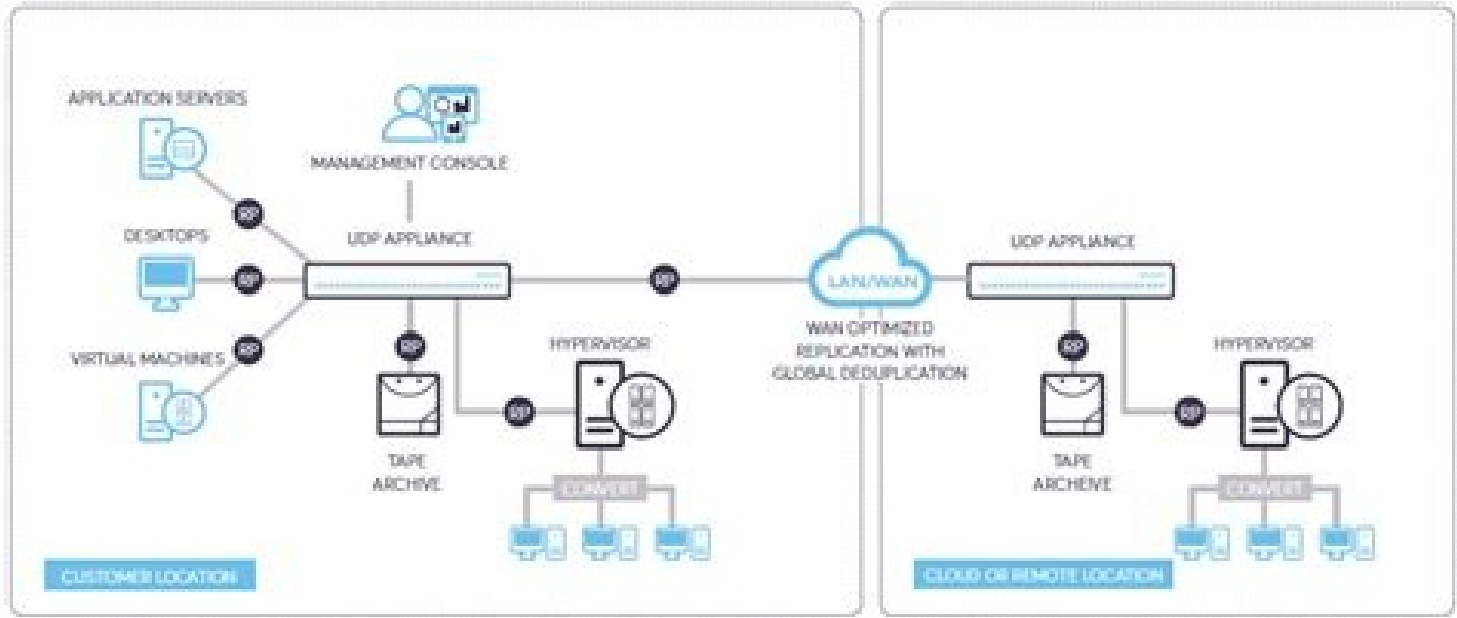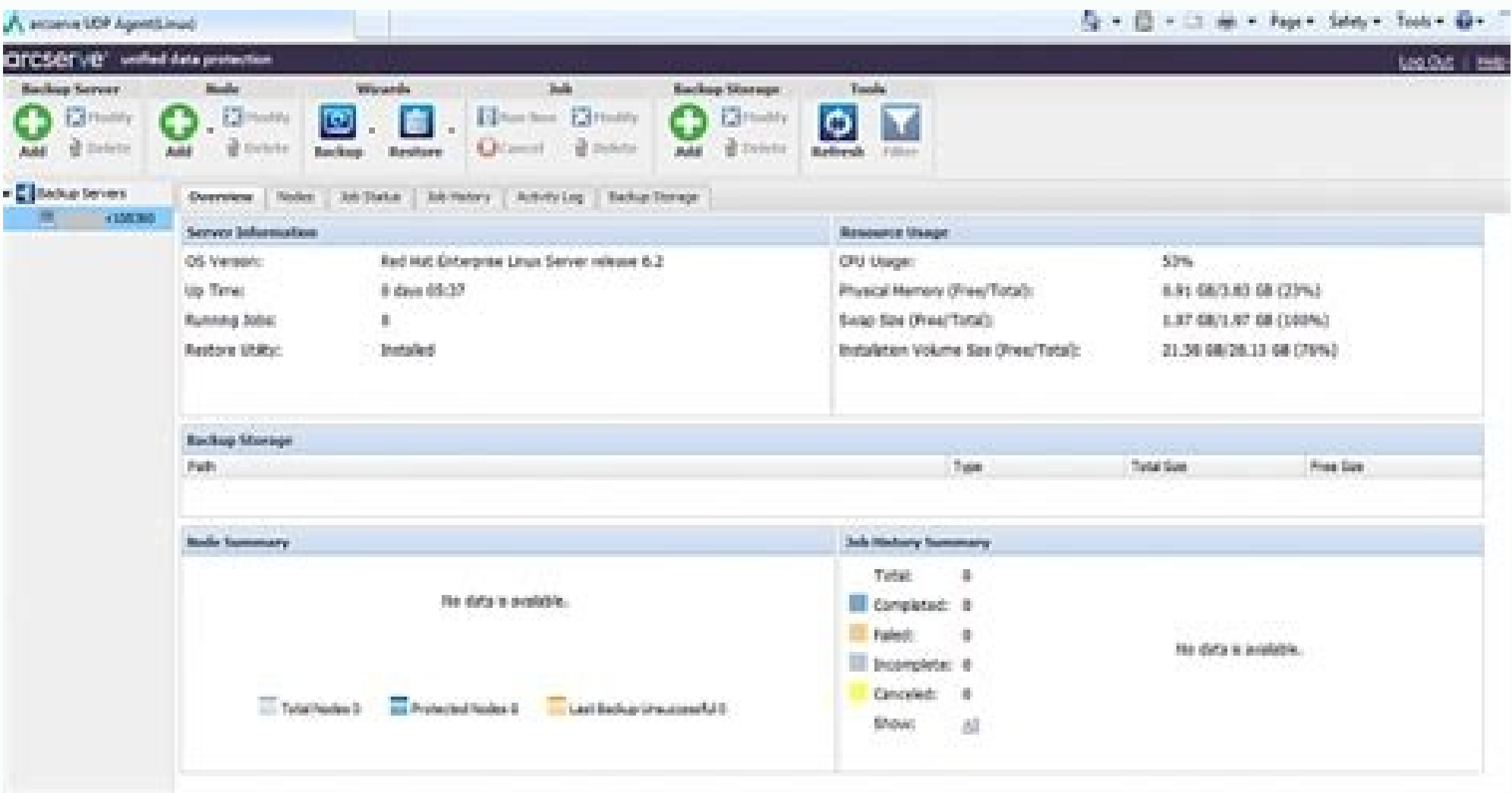
SearchDisasterRecovery SearchStorage SearchITChannel Home ×Sorry to interruptCSS Error Previous Next Arcserve drives the industry forward through exceptional solutions that protect the valuable data of midsized and decentralized enterprise businesses. Reliable, all-in-one disaster recovery and backup for cloud, virtual and physical workloads. Arcserve Unified Data Protection (UDP) combines enterprise-ready technologies into an all-in-one solution that delivers every data protection capability businesses need, without the complexity of traditional enterprise solutions. Powered by heterogeneous, imagebased technology that protects to and from any target, it eliminates the need for discrete products. Safeguard IT systems and applications in cloud, virtual and physical environments from one interface Reduce the risks of extended downtime by cutting RTOs and RPOs from days to minutes Scale up, down and out to the cloud on-demand, turning capabilities on and off without forklift upgrades Validate RTOs, RPOs, and SLAs with built-in Assured Recovery™ testing Free up to 20x more storage with built-in global, source-side deduplication Reclaim up to 50% more time to spend on strategic IT initiatives When downtime happens, every moment counts. Move from application recovery times to application availability with continous data protection that keeps your business fully operational during unplanned disruptions. Arcserve Continuous Availability ensures business continuity for applications and systems with proven technologies that have one common purpose: to keep the business up and running, and operational. Confidently deliver on the most stringent SLAs with asynchronous technologies that eliminate the need for discrete replication programs focused on specific applications and systems. Arcserve Continuous Availability synchronizes the data on Windows and Linux systems with a second physical or virtual system provisioned locally, at a remote location, or in the cloud. Once synchronized, byte-level changes are continuously replicated from the production system to the replica system, providing constant protection to keep data and information accurate, and systems operational. Keep the entire IT infrastructure fully operational with real-time, byte-level replication at the file system level of files/folders and applications, and full physical/virtual systems Rollback applications to a point in time before a system crash, data corruption, or ransomware event Ensure continuous availability during and after an unplanned outage with real-time server and application monitoring, and heartbeat-powered automatic failover Keep business stakeholders informed with built-in testing and SLA reporting Fully managed email archiving to protect and manage corporate email records. Arcserve UDP Cloud Archiving enables modern email archiving management by equipping businesses with the capabilities necessary to fully comply with legal and regulatory requirements, while eliminating the cost and hassle of traditional archiving solutions. As a SaaS-based solution, IT teams optimize storage and increase performance by storing archived email in a location independent from their primary mail system. And, with capacity-based licensing, businesses dramatically reduce costs by protecting unlimited mailboxes and only paying for the storage they use. Eliminate time spent counting employees by protecting unlimited mailboxes and only paying for the storage used Quickly and accurately search, retrieve, and export emails for legal discovery and compliance audits Easily implement legal holds and ensure sensitive emails aren't destroyed for defensible disposition Ensure compliance with regulatory requirements, including FOIA, GDPR, HIPAA, PCI DSS, SOX, FISMA and others Automatically capture and retain emails as encrypted, unalterable corporate records right from the moment they're sent and received Purpose-built email archiving solution for regulatory compliance. Arcserve UDP Archiving is a purpose-built email archiving solution that makes it easy to comply with stringent legal and regulatory requirements, delivering robust capabilities on- and offsite, as well as across multiple tenants and languages. Businesses eliminate the cost and hassle of traditional archiving solutions and leverage robust capabilities not found in native solutions, including Office 365, at a lower cost. Automatically capture and retain emails as encrypted, unalterable corporate records right from the moment they're sent and received Comply with legal and corporate regulations, such as GDPR and HIPAA Simplify lifecycle management by automatically removing email records when retention periods have expired Quickly and accurately search, retrieve, and export emails for legal discovery and compliance audits Battle-tested backup to tape, disk and cloud storage. Arcserve Backup is a comprehensive storage management solution designed with unique technologies that improve the economies of data protection by enabling longer retention periods, reducing storage, and integrating powerful deduplication into existing backup environments. Its highly-scalable architecture, central database and distributed member servers let IT teams manage very large environments with ease, with full control and visibility from one management console – whether supporting small- or large-scale enterprise environments across different platforms and organizations. Safeguard Windows, Linux, Solaris, AIX, HP-UX and FreeBSD systems in cloud, virtual and physical environments Store backups securely on nearly any tape device on the market, with certified compatibility for 60+ vendors Scale up, down and out to the cloud on-demand, turning capabilities on and off without forklift upgrades Protect Oracle Database, SAP R/3, SAP HANA, Informix, Sybase, Lotus/Domino, Microsoft SQL Server, SharePoint and Exchange Save time with a centralized, intuitive user interface, catalogs and reporting Migrate data, applications and workloads to the cloud without downtime Arcserve Live Migration simplifies the process of migrating data, applications and workloads to the cloud or other target destinations of your choice. In addition to real-time replication which ensures your source and target are in sync before the migration, Arcserve Live Migration will orchestrate the cutover to the target destination to take the complexity out of the migration. Migrate on-premises workloads to the cloud to be able to take advantage of cost savings, efficiency and scale Eliminate manual steps that are typically involved with a workload migration Achieve the flexibility to move the type of workload and target destination on your terms Test the migration before cutover without any impact on production Powerful Next-Generation Data Protection ShadowXafe is the next-generation data recovery and backup software solution that brings comprehensive, SLA-driven management for the complete data protection lifecycle. Automated and advanced re-verification of backup images along with inflight verification ensures dependable backup images. Quickly boot backup images as VMs using patented VirtualBoot technology, and recover files and folders in seconds and entire systems in minutes. Recover to dissimilar hardware or virtual environments, including performing a bare metal restore. Single management workflow for the data protection and disaster recovery lifecycle Tight integration with Cloud Services delivers complete disaster recovery and protection in a purpose-built cloud with the ability to execute a failover with a single click. The Best in Reliable Data Protection and Disaster Recovery Physical or virtual, Windows or Linux, you won't find a faster, more reliable way to recover systems and data. Protect Windows and Linux systems, whether physical or virtual, with one backup software solution. ShadowProtect supports nearly any type of disk-based storage, including OneXafe. Use the mix of production and backup storage that best meets your needs—now or in the future. Run backups regularly, even while people work (they won't even notice), and you'll never risk losing more than a few minutes of data, delivering excellent RPOs. Having remote copies of backups gives you flexibility and options during a disaster. Replicate backups anywhere: a local device, remote server, co-location facility, third-party cloud, private cloud, or the Arcserve Cloud. Run automated, easy-to-execute tests on your backup images, and you'll be sure your backups will work when a disaster strikes. Move a physical or virtual system to a new machine without losing uptime, and do so regardless of your hardware choice. Cloud-based backup, disaster recovery and long-term retention for hybrid IT infrastructures. Many businesses are adopting hybrid cloud solutions for improved agility and lower costs, yet quickly realize their infrastructures have just become more complex. Offered as a service extension to Arcserve's

proven UDP software and appliances, Arcserve UDP Cloud Hybrid meets modern IT requirements with a single solution for cloud backup, offsite disaster recovery and long-term retention. Protect, manage, migrate and failover to private and public clouds, including the Arcserve Cloud, Microsoft Azure, Amazon AWS, and many more Keep systems and applications running with remote virtual standby for emergency failover and failback Efficiently transfer data offsite without draining bandwidth with WAN optimization for optimal network performance Cut storage costs and requirements by freeing up to 20x more capacity with built-in global, source-side deduplication Guarantee critical systems are fully protected offsite with SSAE16-certified data centers and 256-bit AES data encryption at the source, in flight, and at rest Cloud-native backup and disaster recovery as a service (BaaS/DRaaS) for hardware-free, near-zero data loss Arcserve UDP Cloud Direct is a robust direct-to-cloud backup and disaster recovery service offering designed to seamlessly protect large and distributed IT environments, and remote offices without requiring local hardware or management. With industry-leading backup times and RTOs/RPOs of minutes, IT teams keep businesses running smoothly during an outage. Set up and manage all backup deployments with a few clicks, and scale infinitely without the need for on-premises hardware or storage sub-systems Power on and replicate complex networks in the cloud, and carry on business-as-usual with push-button failover Drastically reduce downtime costs with industry-leading Eliminate the impact of ransomware with continuous third-party vulnerability scans, SSL encryption, and the ability to go back in time to multiple recovery points and restore error-free Minimize the draw on system resources with advanced change detection and multithreaded transport Cloud-to-cloud backup and cybersecurity for Microsoft Office 365 data Arcserve Cloud Backup for Office 365 puts you in control by ensuring data is securely backed up offsite in the cloud, while safeguarding from cyberattacks with proven Sophos anti-ransomware and threat prevention technologies. Back up with ease, leveraging simple configuration to quickly set up your backup strategies for Exchange Online mailboxes, and OneDrive and SharePoint Online data Restore Exchange Online and SharePoint data by easily moving it back to your Office 365 server in the event information was intentionally or accidentally deleted Enhance security and compliance with AES encryption and role-based access control Neutralize malware, exploits, and ransomware with fully integrated Sophos Intercept X Advanced, award-winning endpoint protection with artificial intelligence (AI) Export OneDrive data by quickly moving it from Cloud Backup for Office 365 to your Office 365 server Save up to 50% of time by using one simple UI for complete Office 365 data security and protection, as well as protection for other physical, virtual, and cloud workloads Cloud-Based Backup and Disaster Recovery Solutions Arcserve Cloud Services is a cloud-based disaster recovery as a service (DRaaS) solution. It protects on-premises business systems and data in a cloud purpose-built for total business continuity. Know that data is safe and always available inside our distributed, scalable, fault-tolerant cloud built specifically for disaster recovery. Customize cloud storage to fit your needs, whether your IT environment is small and straightforward or large and complex. Choose the Service Level based on your needs. Enjoy low costs, control over cloud settings, and predictable monthly pricing. Centrally manage and monitor all your Arcserve Cloud Services™ accounts as well as fail over in a disaster without third-party intervention. Hit the ground running after a disaster with advanced networking features (available with Cloud Premium) that enable you to run your network in our cloud just as you'd run it onsite. Use Virtual Machine Policy (available with Cloud Premium) to configure the sequence, order, and timing for each mission-critical system, and to be able to press just one button to test or start site-wide failover processes.

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