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Arcserve udp appliance user guide

Introducing the Arcserve UDP Appliance › Introduction › Arcserve Backup Arcserve Backup is a powerful data protection solution that meets the needs of companies with heterogeneous environments. It provides flexible backup and recovery performance, easy management, broad device compatibility and reliability. It helps you maximize your data storage capabilities by letting you customize your data protection strategies based on your specific storage requirements. In addition, the flexible user interface enables advanced configurations and provides users at all levels of technical expertise with a cost-effective way to deploy and maintain a wide range of agents and options. Arcserve Backup provides comprehensive data protection for distributed environments and provides virus-free backup and recovery operations. A wide range of options and agents expands data protection across the enterprise and provides enhanced functionality, including online hot backup and application and data file recovery, advanced device and media management, and disaster recovery. UDP Appliance includes integration with Arcserve Backup to back up to tape. Arcserve Backup is installed on C:\Program Files (x86)\Arcserve on your computer after you run InstallASBU.bat. With the components installed in the UDP device, you can back up arcserve UDP's destination on a tape. Arcserve Backup Server uses the following default login credentials: Username -- caroot Password -- Arcserve Introducing the Arcserve UDP Appliance › Ports Used by the Appliance The following tables contain information about ports used by Arcserve UDP, Arcserve Backup, and the Linux support device. Linux Support Port # Port type device initiated by listening process description 8018 TCP NAT poor tomleiding, redirect 8018 on appliance to the Linux Backup Server Agent port 8014. 8019 TCP NAT poor tomleiding, 8019 on appliance redirect to the Linux Backup Server SSH port 22. Arcserve UDP Components installed on Microsoft Windows The following ports are required for backup and other tasks when you have a LAN environment. Port # Port type initiated by listening process description 1433 TCP Remote Java sqlsrvr.exe Specifies the default communication port between the Arcserve UDP console and Microsoft SQL Server databases when they are on different computers. Note: Change the default communication port when installing SQL Server. 4090 TCP Arcserve UDP Agent HATransServer.exe data for virtual standby tasks in proxy mode. 5000-5060 TCP Arcserve UDP Server GDDServer.exe reserved for Arcserve UDP RPS Global Deduplication Data Store Service (GDD). One Arcserve UDP uses 3 free ports starting at 5000. This is necessary when the GDD data store is enabled for backup or the recovery task is used. 6052 TCP TCP Backup GDB CA.ARCserve.CommunicationFoundation.WindowsService.exe CA.ARCserve.CommunicationFoundation.WindowsService.exe Communication that allows the Arcserve UDP Console and the Arcserve Backup Global Dashboard Primary server to sync data. 6054 TCP Arcserve Backup CA.ARCserve.CommunicationFoundation.WindowsService.exe Communication that allows the Arcserve UDP Console and the Arcserve Backup Primary server to sync data. 8006 To disable Tomcat used by the Arcserve UDP console. 8014 TCP Arcserve UDP Console Tomcat7.exe Specifies the default HTTP/HTTPS communication port between remote management consoles and the Arcserve UDP server. Specifies the standard HTTP/HTTPS communication port between external management consoles and the Arcserve UDP agent. Note: You change the default communication port when you install the Arcserve UDP components. 8014 TCP Arcserve UDP Server httpd.exe Specifies the default HTTP/HTTPS communication port between the Arcserve UDP server and Arcserve UDP consoles. *Specifies the default shared port and the only port you need to open when using the Arcserve UDP server as a replication destination. Open ports 5000-5060 not used by data storage that have enabled global deduplication. Note: You change the default communication port when you install the Arcserve UDP components. 8015 TCP Arcserve UDP Console Tomcat7.exe Specifies the default HTTP/HTTPS communication port between remote management consoles and the Arcserve UDP server. Specifies the standard HTTP/HTTPS communication port between external management consoles and the Arcserve UDP server. Note: You change the default communication port when you install the Arcserve UDP components. 8016 TCP Arcserve UDP Server Tomcat7.exe Reserved for Arcserve UDP Server Web Services to communicate with the Arcserve UDP RPS Port Sharing Service on the same server. Note: The port cannot be adjusted and can be ignored for the firewall setting. 18005 CA.ARCserve.CommunicationFoundation.WindowsService.exe Tomcat used by the Arcserve UDP server or agent. Components installed on Linux Port # Porttype initiated by Listening Process Description 22 TCP SSH service Arcserve UDP Linux 3rd party dependency. Specifies the default SSH service setting, but you change it. This port is required for both incoming and outgoing communications. 67 UDP Arcserve UDP Linux bootpd Used for the PXE boot server. Only required if the user wants to use the PXE startup function. This port is required for incoming communications. Note: The port number cannot be adjusted. 69 UDP Arcserve UDP Linux tftpd Used for the PXE boot server. Only required if the user wants to use the PXE startup function. This port required for incoming communications. Note: The port number cannot be adjusted. 8014 TCP Arcserve UDP Linux Java specifies the standard HTTP/HTTPS ports between the external consoles and the Arcserve UDP agent for Linux. This port is required for both incoming and outgoing communications. 18005 TCP Arcserve UDP Linux Java Used by Tomcat. Can be ignored for firewall settings. Production node protected by UDP Linux Remote Port # Porttype initiated by Listening Process description 22 SSH service Arcserve UDP Linux 3rd party dependency. Specifies the default setting for the SSH service, but you manage it from another UDP console. The remote console management feature is useful when you manage multiple UDP consoles. Select whether you want the device locally (by default) or from another UDP console If the device is managed from another UDP console, enter the URL, username, and password of the UDP console. Click Next. Note: To To Cancel the wizard and open the Arcserve UDP console, click Cancel. The Data Storage dialog box opens. A data store is a physical storage space on the device and can be used as a destination for your backups. By default, Arcserve UDP creates a data store named <hostname>_data_store. This data store is deduplication and encryption enabled. For more information on deduplication and encryption, see Data Deduplication, Encryption see the Arcserve UDP Solutions Guide. Note: Since this data store is encrypted, you must provide an encryption password. Enter and confirm the encryption password for this data store. Click Next. The Email and Alerts dialog box opens. In this dialog box, define the email server used to send alerts and the recipients who receive the alerts. Select options that are specified to receive alerts based on successful tasks, failed tasks, or both. Please enter the following email and alert information. Service specifies email services, such as Google Mail, Yahoo Mail, Live Mail, or Others. Email server Specifies the email address. For example, for Google Server email, enter smtp.gmail.com. Port types the port number of the email server. Requires authentication Specifies whether the email server requires authentication. If so, please enter the account name and password for verification. Subject Specifies the subject of the email sent to the recipients. Specifies the sender's email address. The recipients receive the e-mail from this sender. Recipients Specifies the recipients who receive the alerts. (You use semicolons ; to separate multiple receivers). Options Specifies the encryption method to be used for the communication channel. Connect to a proxy server Specifies your user name and port number when you connect to the email server through a proxy server. Also, enter a user name and password if the proxy server requires authentication. Sending a test email sends a test email to the recipients. Verify the data by sending a test email. Click Next. The Replication to external RPS dialog box opens. Specify the following information if you want the device to be replicated to a remotely managed recovery point server (RPS). For more information about a remotely managed RPS, see the Arcserve UDP Solutions Guide. Arcserve UDP Console Url Specifies the URL of the external Arcserve UDP console. User NAME and Password Specifies the user name and password to connect to the remote console. Connect to a proxy server Specifies the proxy server data as remote console is behind a proxy server. If you don't want the device replicated to a remotely managed RPS, select the device This is not replicated to a remotely managed RPS option. Click Next. The Create a Plan dialog box opens. This dialog box provides a basic plan that specifies the nodes you want to protect and the backup scheme. Note: If you </hostname> </hostname> If you don't want to create basic plans with the wizard, click Skip Scheduling. Opens the last dialog box, the Next Steps dialog box. Click Finish to open and plan the UDP console. Specify the following details to create a plan: Plan name specifies the name of the plan. (If you don't specify a plan name, the default name is assigned Security Plan <n>.). Session password Specifies a session password. The session password is important because it's required when you restore data. Make sure you don't lose the password. How do you want to add nodes to the plan? Specifies the method to add nodes to the plan. Select one of the following methods: Hostname/IP address Use this method to manually add the nodes by specifying the node host name or IP address. You add as many nodes as you want. Discover Active Directory nodes Use this method to add nodes that are in an active directory, first discover the nodes by specifying the active directory details, and then adding the nodes. Import from a vCenter/ESX server Use this method to import virtual machine nodes from ESX or vCenter servers. This option displays all virtual machines discovered on the host name or IP address you specify here. Import from a Hyper-V server Use this method to import the virtual machine nodes from Microsoft Hyper-V servers. After you select a method, specify the details of each dialog box. After the nodes are added to your subscription and click Next. The Backup Schema dialog box opens. Enter the following schedule: Arcserve UDP Agent Installation or Upgrade Schedule: The latest version of the Arcserve UDP agent is installed at source nodes where the agent is not installed. All previous agent installations will be upgraded to the latest version. Incremental backup schedule: A full backup is performed for the first time, and then incremental backups are performed. Note: If you specify backup time earlier than installation/upgrade time, the backup is automatically scheduled for the next day. For example, if you schedule the agent installation for Friday at 9 p.m. and a backup schedule for 8 p.m., the backup will run on Saturday at 8 p.m. Cancel scheduling: To cancel the subscription you've just created, click Cancel Scheduling. Click Next. The Plan Confirmation dialog box opens. From here you can view the details of your plan. If necessary, edit the nodes or schedule by clicking Edit Nodes or Edit Schedule, or add or remove a subscription. Edit nodes changes the source nodes you want to protect. Edit schedule changes the backup schedule. After you're satisfied that the plans are correct, click Next. The Next Steps dialog box opens. You have successfully completed the configuration and you are now ready to work in the Arcserve UDP console. You add more nodes to protect, customize </n> </n> add features such as virtual standby and more destinations by including recovery point servers and data storage. Click Finish to exit the wizard, and then open the Arcserve UDP console. Console.