



# Unix/Linux Data Movers for San Based Backups

CA ARCserve® Backup uses a new data mover technology for backup of UNIX and Linux servers and application data over the SAN. The new data movers provide faster, more efficient backups and restores for databases and file systems while also providing centralized management, reporting and licensing for all servers via the CA ARCserve® Backup Data mover. The data from the UNIX and Linux servers can be stored on locally accessible SAN attached disks and tape devices (libraries) that are shared between the data mover servers and the CA ARCserve Backup primary server. The results are drastically reduced network traffic and shorter backup and restore windows.

## OVERVIEW

### Installing CA ARCserve Backup UNIX and Linux Data Mover -

You can install CA ARCserve Backup UNIX and Linux Data Mover on various UNIX platforms, such as AIX, HP-UX, and Solaris. To deploy UNIX and Linux Data Mover, the CA ARCserve Backup primary windows server must reside in at least one of the following locations:

- On the same SAN as the UNIX or Linux server that you want to protect.
- On the same network as the UNIX or Linux server that you want to protect.
- You must register the data mover server with the primary server to allow the respective servers to communicate. As a best practice, you should register the data mover server with the primary server when prompted by the installation script. Optionally, you can register the data mover server using the reg tool utility or Device Configuration from the primary server after you run the installation script on the data mover server.

**UNIX and Linux Data Mover Supported Functionality** - UNIX and Linux Data Mover lets you perform the following tasks:

- Backup and restore UNIX and Linux file system data and Oracle data using local file system devices and shared tape libraries.
- Manage UNIX and Linux Data Mover licenses centrally from CA ARCserve Backup primary servers.
- Migrate data from staging locations to final destination media

## BENEFITS/SUPPORTED PLATFORMS

### SAN Speed data movement

- Shorter backup window
- Faster restore

### Offload backup from network

- Reduced network traffic

### File System, Oracle, Oracle RMAN Supported

### Local "SAN Shared" Libraries Supported

### ARCserve File System Devices Supported

- FSD and Staging ONLY

### Migration Supported

- D2T2T (Disk -> Tape -> Tape)
- D2D2T (Disk -> Disk -> Tape)

### Red Hat Enterprise Linux

- 3.x, 4.x, 5.x (x86/AMD64/ EM64T/IA64)

### Suse Enterprise Linux

- 9.x, 10.x (x86/AMD64/ EM64T/IA64)

### SUN Solaris

- 9 & 10 (SPARC)

### AIX

- 6.1, 5.3, 5.2

### HP-UX

- 11.31 (PA-RISC/IA64)
- 11.23 (PA-RISC/IA64)
- 11.22 (IA64)
- 11.11 (PA-RISC)

## Install/Configure

### Install CA ARCserve Backup UNIX and Linux Data Mover on UNIX operating systems

1. Log in to the UNIX computer as root.  
Insert the CA ARCserve Backup installation media into the computer's DVD drive.  
Mount the DVD to an available or newly created directory on the computer. For example,  

```
# mount -F cdfs /dev/dsk/c1t2d0 /mnt/dvdrom
```
2. Browse to the operating system directory on the mounted DVD. For example,  

```
# cd /mnt/dvdrom/DataMoverAndAgent/UNIX/<aix|hp|solaris>
```
3. Execute the following script: 

```
# ./install
```
4. Follow the on-screen instructions to complete the installation.

### Install CA ARCserve Backup UNIX and Linux Data Mover on Linux operating systems

1. Log in to the Linux computer as root.  
Insert the CA ARCserve Backup installation media into the computer's DVD drive.  
Mount the DVD to an available or newly created directory on the computer. For example,  

```
# mount -t iso9660 /dev/dvdrom /mnt/dvdrom
```
2. Browse to the operating system directory on the mounted DVD. For example,  

```
# cd /mnt/dvdrom/DataMoverAndAgent/Linux
```
3. Execute the following script: 

```
# ./install
```
4. Follow the on-screen instructions to complete the installation.

When running Setup on the target data mover server, Setup detects the version of the file system agent, if any, installed on the server. If Setup detects a supported platform, you will be prompted to install the latest version of the file system agents.

## Using CA ARCserve Backup UNIX and Linux Data Mover

The data mover server must be registered with the CA ARCserve Backup primary server to backup and restore data. You can register the data mover server with the primary server using one of the following methods:

- Register the data mover server while executing the installation script on the UNIX or Linux server.

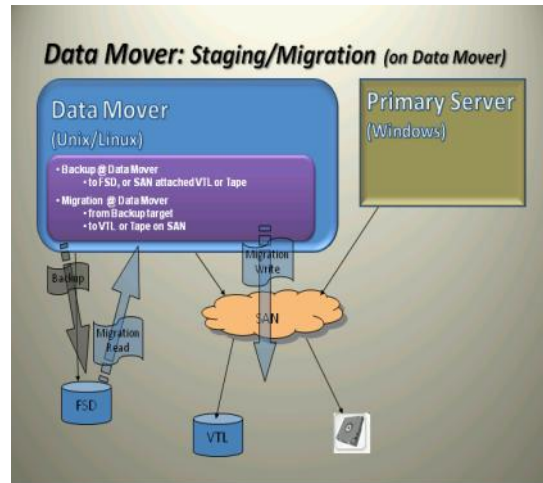
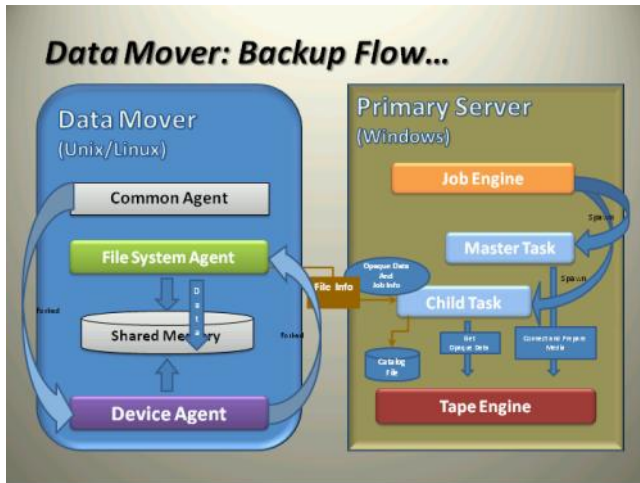
To register the data mover server with the primary server using Device Configuration

1. Open the CA ARCserve Backup Manager Console.  
From the Navigation Bar, expand Administration and click Device Configuration.  
The Welcome to Device Configuration dialog opens.
2. Click UNIX/Linux Data Mover and click Next.  
The Login Server dialog opens.
3. Specify the password for the caroot account and click Next.  
The UNIX/Linux Data Mover Configuration dialog opens.
4. Click Add.  
Complete the following fields:
  - UNIX/Linux Data Mover--Specify the host name for the data mover server.
  - User--Specify the root user name for the UNIX or Linux data mover server.
  - Password--Specify the password for the root user account.Note: Repeat this step to add more data mover servers.  
Click Next.
5. Follow the on-screen procedures to complete the registration process.

## Unix and Linux Data Mover Supported Functionality

Backup Architecture

Staging/Migration Architecture (on Data Mover)



## Frequently Asked Questions

- Q. Can I upgrade from the earlier versions to the current version?
- A. No. Upgrading from agents for older versions of to the new UNIX/Linux Data Mover is not supported. You will have to uninstall the older agent and then install the new ARCserve agent.
- Q. What are the different file system data that UNIX/Linux Data Mover can restore?
- A. Data Mover can restore ONLY File System or Oracle data .

## Summary

CA ARCserve Backup Data Mover uses the latest technology for backup of UNIX and Linux servers and application data over the SAN. The new data mover provide faster, more efficient backups and restores for databases and file systems while providing centralized management, reporting and licensing for all servers.

For more information about the CA ARCserve Family of products, please visit [arcserve.com/products](http://arcserve.com/products) or test drive our products at [arcserve.com/software-trials](http://arcserve.com/software-trials).