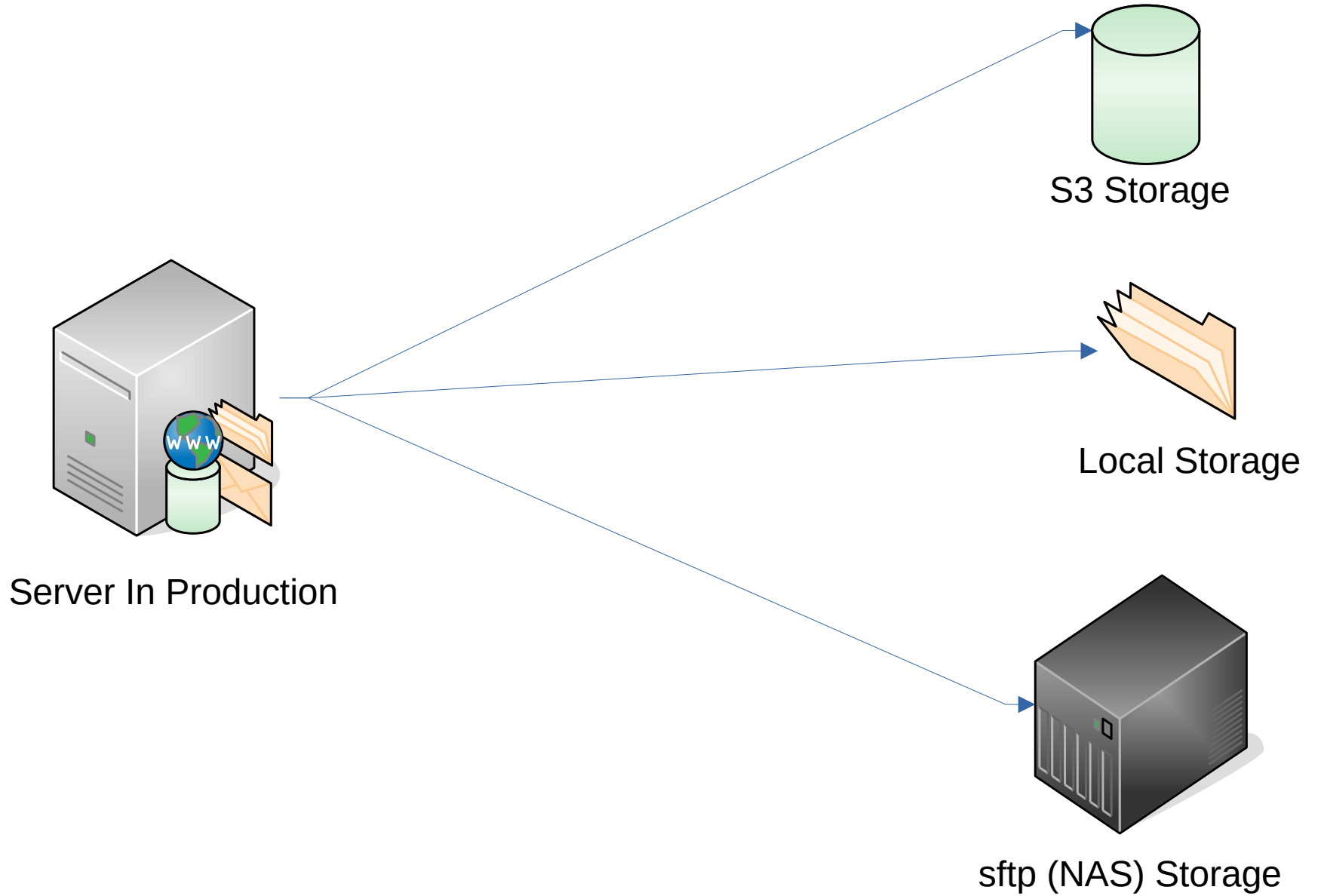



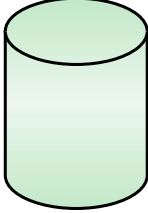
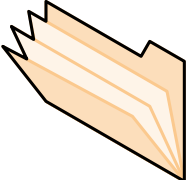
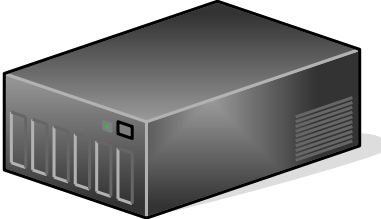
# System Backups with Restic



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Date: 09/25/23  
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# System Backups with Restic


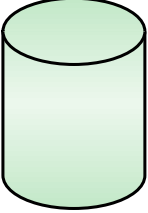
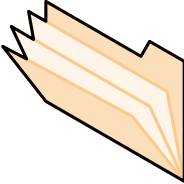

## Step 1: Initialize Repository

Source	Destination	Command
 Production Server	 S3 Storage	<code>restic init -r s3:s3.amazonaws.com/bucket_name</code>
	 Local Storage	<code>restic init -repo /local/path/to/repository</code>
	 sftp (NAS) Storage	<code>restic init -r <a href="#">sftp:user@host:/path/to/repository</a></code>

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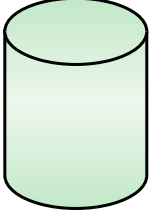
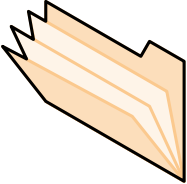
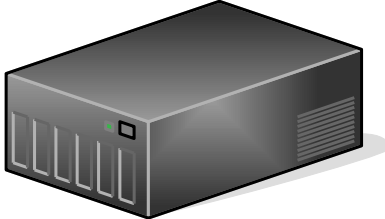
## Step 2: Backup Source Data

Source	Destination	Command
 Production Server	 S3 Storage	<code>restic backup /path/to/files/directories</code>
	 Local Storage	<code>restic -r /path/to/repository -verbose backup /backup/files/directories</code>
	 sftp (NAS) Storage	<code>restic --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path -verbose backup /backup/files/directories</code>

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# System Backups with Restic


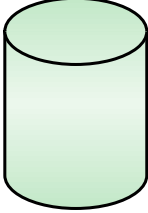
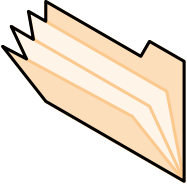
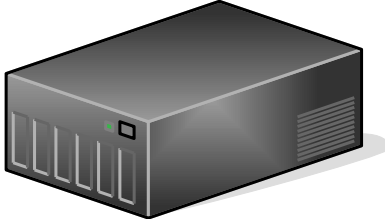
## Step 3: Forget old snapshots

Source	Destination	Command
 Production Server	 S3 Storage	<code>restic forget --keep-daily 7</code>
	 Local Storage	<code>restic forget --keep-daily 7 -r /path/to/repo</code>
	 sftp (NAS) Storage	<code>restic forget --keep-daily 7 --password-file /path/.restic_passwd sftp:backup_user@192.168.1.10:/remote/backup/path -verbose backup /backup/files/directories</code>

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# System Backups with Restic


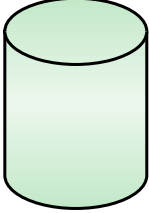
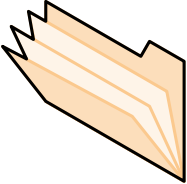
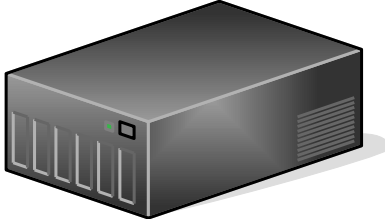
## List Current Snapshots

Source	Destination	Command
 Production Server	 S3 Storage	<code>restic snapshots</code>
	 Local Storage	<code>restic -r /path/to/repository snapshots</code>
	 sftp (NAS) Storage	<code>restic --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path snapshots</code>

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# System Backups with Restic


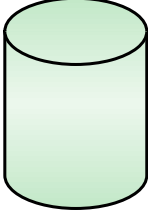
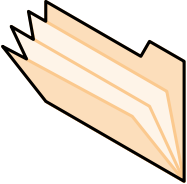
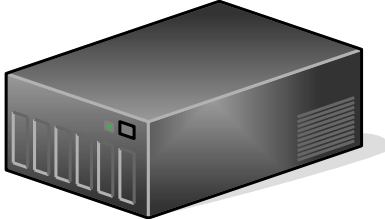
## Validate Snapshots

Source	Destination	Command
 Production Server	 S3 Storage	<code>restic check</code>
	 Local Storage	<code>restic -r /path/to/repository check</code>
	 sftp (NAS) Storage	<code>restic --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path check</code>

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# System Backups with Restic


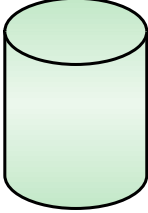
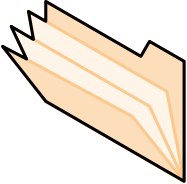

## List Snapshots Content

Source	Destination	Command
 Production Server	 S3 Storage	<pre>restic snapshots #Select Snapshot from list and add it to this command restic ls --long [snapshot_ID]</pre>
	 Local Storage	<pre>restic snapshots -r /path/to/repo #Select Snapshot from list and add it to this command restic ls --long [snapshot_ID] -r /path/to/repo</pre>
	 sftp (NAS) Storage	<pre>restic --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path snapshots #Select Snapshot from list and add it to this command restic ls --long [snapshot_id] --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path</pre>

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# System Backups with Restic

## Restore Snapshots Content

Source	Destination	Command
 Production Server	 S3 Storage	<pre>restic snapshots #Select Snapshot from list and add it to this command restic restore [snapshot_id] --target /path/to/restore</pre>
	 Local Storage	<pre>restic snapshots -r /path/to/repo #Select Snapshot from list and add it to this command <b>#Restores entire snapshot</b> restic -r /path/to/repo restore [snapshot_id] --target /path/to/restore <b>#Restore a single file</b> restic restore --target=/ --include=/path/to/file [snapshot_id] <b>#Restore Directory</b> restic -r /path/to/repo restore [snapshot_id] --target /restore/path --include --path "/home/art"</pre>
	 sftp (NAS) Storage	<pre>restic --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path snapshots #Select Snapshot from list and add it to this command restic --password-file /path/.restic_passwd -r sftp:backup_user@192.168.1.10:/remote/backup/path restore [snapshot_id] --target /path/to/restore</pre>

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