**Schedule a shell script to take remote incremental backup use at or crontab.**

**Create the Backup Script on the Server**

Create a shell script on the server to perform the incremental backup.

#!/bin/bash

# Define variables

SOURCE\_DIR="/path/to/source"

DEST\_DIR="/path/to/destination"

CLIENT\_USER="user"

CLIENT\_IP="client\_ip\_address"

BACKUP\_FILE="backup\_$(date +\%Y\%m\%d\%H\%M\%S).tar.gz"

# Create incremental backup using rsync

rsync -av --delete --link-dest=$DEST\_DIR/last\_backup $SOURCE\_DIR $CLIENT\_USER@$CLIENT\_IP:$DEST\_DIR/current\_backup

# Archive the backup

ssh $CLIENT\_USER@$CLIENT\_IP "tar -czf $DEST\_DIR/$BACKUP\_FILE -C $DEST\_DIR current\_backup"

# Update the last backup

ssh $CLIENT\_USER@$CLIENT\_IP "rm -rf $DEST\_DIR/last\_backup && mv $DEST\_DIR/current\_backup $DEST\_DIR/last\_backup"

**Making the Script Executable**

Make your script executable by running:

chmod +x /path/to/your\_script.sh

**Test the Script**

Before scheduling it with crontab, test the script manually to ensure it works as expected:

/path/to/your\_script.sh

**Schedule the Script with crontab**

Open the crontab editor:

crontab -e

Add the following line to schedule the script to run daily at 2:00 AM:

0 2 \* \* \* /path/to/your\_script.sh