

# Backing up LIS or STS to a remote Backup server

Follow these steps to set up automatic backups to a remote Ubuntu machine:

## Step 1: Download the Script

Open a terminal on your Ubuntu machine and run the following command to download the backup setup script:

```
cd ~  
wget -O remote-backup.sh https://raw.githubusercontent.com/deforay/vlsm/master/scripts/remote-backup.sh
```

## Step 2: Make the Script Executable

To allow the script to run, change its permissions using the following command:

```
sudo chmod u+x remote-backup.sh
```

## Step 3: Run the Script

Execute the script with superuser privileges to begin the setup process:

```
sudo ./remote-backup.sh
```

### What the Script Does:

#### 1. Prompts for the Instance Name:

- Enter a unique name for your lab or instance (e.g., `lab1`, `centerA`).
- The script will sanitize the name to ensure compatibility.

#### 2. Installs Required Tools:

- Ensures `rsync` is installed on your machine.

#### 3. Generates SSH Key:

- Creates an SSH key for secure communication with the backup server (if not already present).

#### 4. **Prompts for Backup Server Details:**

- Enter the **username** and **IP address or hostname** of the backup server.

#### 5. **Verifies Connectivity:**

- Tests the connection to the backup server.
- If the connection fails, it will prompt you to re-enter the credentials until the connection succeeds.

#### 6. **Copies SSH Key:**

- Automatically transfers the SSH key to the backup server to enable passwordless communication.

#### 7. **Creates Backup Script:**

- Sets up a script to back up `/var/www/vlsm` to the backup server.

#### 8. **Schedules Backups:**

- Configures automatic backups to run every 6 hours and on reboot using cron jobs.

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Revision #2

Created 15 January 2025 10:59:26 by Amit

Updated 26 August 2025 20:01:39 by Amit