**HOW TO CREATE A ZIP ARCHIVE AND A BASH SCRIPT AND ALSO AUTOMATE SERVER BACKUP**

The production support team of xFusionCorp Industries is working on developing some bash scripts to automate different day to day tasks. One is to create a bash script for taking websites backup. They have a static website running on App Server 2 in Stratos Datacenter, and they need to create a bash script named news\_backup.sh which should accomplish the following tasks. (Also remember to place the script under /scripts directory on App Server 2).  
**a**. Create a zip archive named xfusioncorp\_news.zip of /var/www/html/news directory.  
**b**. Save the archive in /backup/ on App Server 2. This is a temporary storage, as backups from this location will be clean on weekly basis. Therefore, we also need to save this backup archive on Nautilus Backup Server.  
**c**. Copy the created archive to Nautilus Backup Server server in /backup/ location.  
**d**. Please make sure script won't ask for password while copying the archive file. Additionally, the respective server user (for example, tony in case of App Server 1) must be able to run it.  
**e.** Do not use sudo inside the script.

**Note:**  
The zip package must be installed on given App Server before executing the script. This package is essential for creating the zip archive of the website files. Install it manually outside the script.

Got it ✅ — let’s streamline the **entire workflow** for your backup script task so you can run commands in order without confusion.  
This will cover **App Server 1 (ecommerce\_backup.sh)** and **App Server 3 (beta\_backup.sh)**, since both follow the same pattern.

**🔹 Step 1: Connect to Jump Host**

Log into the jump host as **thor**

**🔹 Step 2: Set Up on App Server 1 (Ecommerce Backup)**

1. **SSH into App Server 1**
2. ssh tony@stapp01.stratos.xfusioncorp.com
3. # password: Ir0nM@n
4. **Install zip (manual prerequisite)**
5. sudo yum install zip -y # (RHEL/CentOS)
6. # or
7. sudo apt-get install zip -y # (Ubuntu/Debian)
8. **Create /scripts directory**
9. sudo mkdir -p /scripts
10. sudo chown tony:tony /scripts
11. **Create ecommerce backup script**
12. vi /scripts/ecommerce\_backup.sh

Paste inside:

#!/bin/bash

# Variables

SRC\_DIR="/var/www/html/ecommerce"

BACKUP\_NAME="xfusioncorp\_ecommerce.zip"

LOCAL\_BACKUP="/backup/${BACKUP\_NAME}"

REMOTE\_USER="clint"

REMOTE\_HOST="stbkp01.stratos.xfusioncorp.com"

REMOTE\_DIR="/backup"

# Step a: Create zip archive

zip -r "$LOCAL\_BACKUP" "$SRC\_DIR"

# Step b & c: Copy archive to Nautilus Backup Server

scp "$LOCAL\_BACKUP" ${REMOTE\_USER}@${REMOTE\_HOST}:${REMOTE\_DIR}/

echo "Backup completed successfully."

Save with Esc → :wq → Enter.

1. **Make script executable**
2. chmod +x /scripts/ecommerce\_backup.sh
3. **Set up passwordless SSH to backup server**
4. ssh-keygen -t rsa
5. ssh-copy-id clint@stbkp01.stratos.xfusioncorp.com
6. **Test the script**
7. /scripts/ecommerce\_backup.sh

**🔹 Step 3: Set Up on App Server 3 (Beta Backup)**

1. **SSH into App Server 3**
2. ssh banner@stapp03.stratos.xfusioncorp.com
3. # password: BigGr33n
4. **Install zip (manual prerequisite)**
5. sudo yum install zip -y
6. # or
7. sudo apt-get install zip -y
8. **Create /scripts directory**
9. sudo mkdir -p /scripts
10. sudo chown banner:banner /scripts
11. **Create beta backup script**
12. vi /scripts/beta\_backup.sh

Paste inside:

#!/bin/bash

# Variables

SRC\_DIR="/var/www/html/beta"

BACKUP\_NAME="xfusioncorp\_beta.zip"

LOCAL\_BACKUP="/backup/${BACKUP\_NAME}"

REMOTE\_USER="clint"

REMOTE\_HOST="stbkp01.stratos.xfusioncorp.com"

REMOTE\_DIR="/backup"

# Step a: Create zip archive

zip -r "$LOCAL\_BACKUP" "$SRC\_DIR"

# Step b & c: Copy archive to Nautilus Backup Server

scp "$LOCAL\_BACKUP" ${REMOTE\_USER}@${REMOTE\_HOST}:${REMOTE\_DIR}/

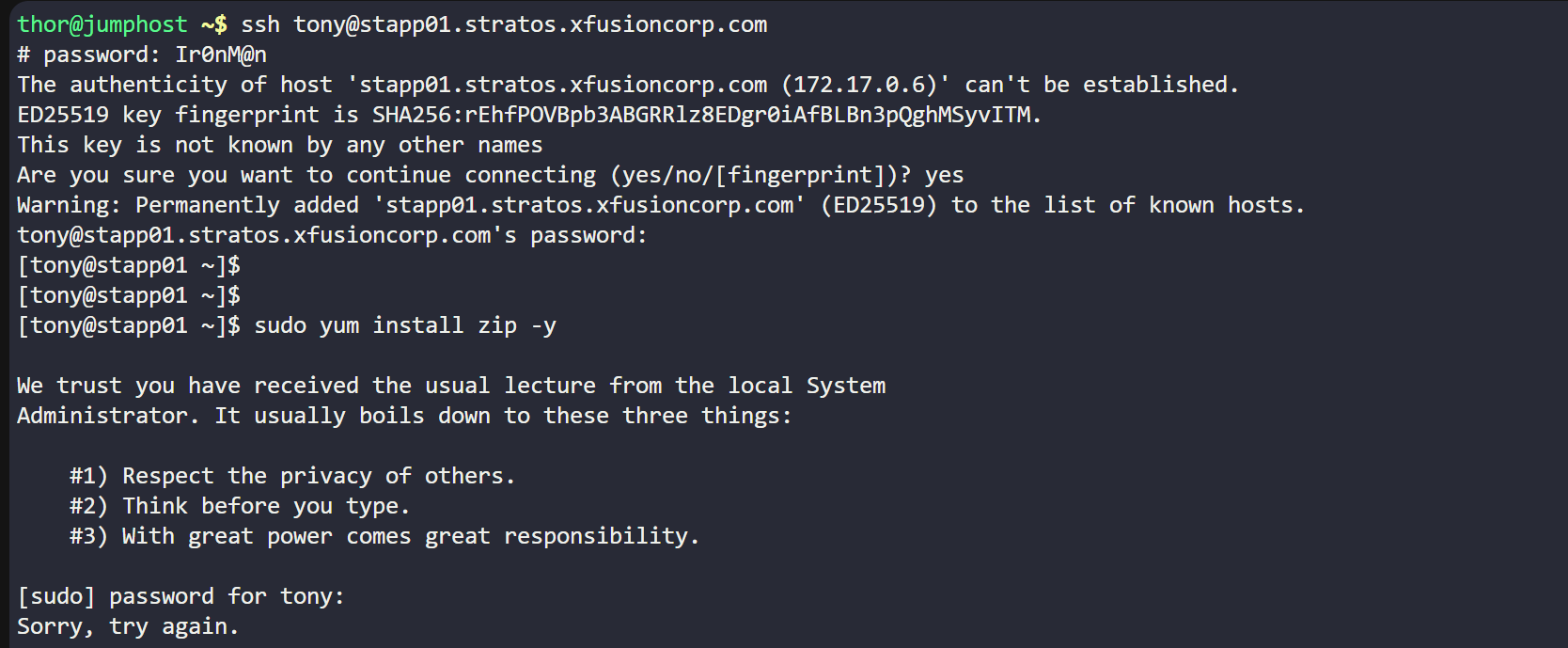
echo "Backup completed successfully."

Save with Esc → :wq → Enter.

1. **Make script executable**
2. chmod +x /scripts/beta\_backup.sh
3. **Set up passwordless SSH to backup server**
4. ssh-keygen -t rsa
5. ssh-copy-id clint@stbkp01.stratos.xfusioncorp.com
6. **Test the script**
7. /scripts/beta\_backup.sh

✅ Now both scripts are in place, executable, and working:

* /scripts/ecommerce\_backup.sh on **App Server 1**.
* /scripts/beta\_backup.sh on **App Server 3**.
* Both copy archives to /backup/ on **stbkp01** without password prompts.

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