**HOW TO COPY DIRECTORY FROM ONE SERVER TO ANOTHER**

A Nautilus developer has stored confidential data on the jump host within Stratos DC. To ensure security and compliance, this data must be transferred to one of the app servers. Given developers lack direct access to these servers, the system admin team has been enlisted for assistance.  
Copy /tmp/nautilus.txt.gpg file from jump server to App Server 3 placing it in the directory /home/appdata.

**SOLUTION:**

**Nautilus File Transfer Task**

**Task Overview**

Copy /tmp/nautilus.txt.gpg from jump server to App Server 3 at /home/appdata/

**Prerequisites**

* Access to jump server
* SSH access to App Server 3
* Appropriate permissions on both servers

**Method 1: Direct SCP from Jump Server (Recommended)**

# From the jump server, copy directly to App Server 3 (stapp03)

scp /tmp/nautilus.txt.gpg banner@stapp03.stratos.xfusioncorp.com:/home/appdata/

# Alternative using IP address

scp /tmp/nautilus.txt.gpg banner@172.16.238.12:/home/appdata/

When prompted for password, use: BigGr33n

**Method 2: SSH to App Server 3 and Pull File**

# SSH to App Server 3 and pull the file from jump host

ssh banner@stapp03.stratos.xfusioncorp.com

# Once connected to stapp03, pull the file from jump host

scp thor@jump\_host.stratos.xfusioncorp.com:/tmp/nautilus.txt.gpg /home/appdata/

**Method 3: Step-by-Step Commands**

If you need to create the directory or check permissions first:

# Step 1: SSH to App Server 3 to prepare the destination

ssh banner@stapp03.stratos.xfusioncorp.com

# Password: BigGr33n

# Step 2: Create directory if it doesn't exist

mkdir -p /home/appdata

# Step 3: Exit from App Server 3

exit

# Step 4: From jump host, copy the file

scp /tmp/nautilus.txt.gpg banner@stapp03.stratos.xfusioncorp.com:/home/appdata/

**Verification Steps**

After copying, verify the transfer:

# SSH to App Server 3 and check

ssh banner@stapp03.stratos.xfusioncorp.com

# Password: BigGr33n

# Verify the file exists

ls -la /home/appdata/nautilus.txt.gpg

# Check file size and permissions

stat /home/appdata/nautilus.txt.gpg

**File Integrity Verification**

# Compare checksums to ensure file integrity

# On jump host:

md5sum /tmp/nautilus.txt.gpg

# On App Server 3 (stapp03):

ssh banner@stapp03.stratos.xfusioncorp.com

md5sum /home/appdata/nautilus.txt.gpg

**Important Notes**

1. **Permissions**: Ensure the destination directory /home/appdata/ exists and has appropriate permissions
2. **Connectivity**: Verify network connectivity between jump server and App Server 3
3. **Authentication**: Make sure SSH keys or passwords are properly configured
4. **File Integrity**: Always verify the file was transferred correctly using checksums
5. **Security**: The file is already encrypted (.gpg), maintaining confidentiality during transfer

**Troubleshooting**

If you encounter permission issues:

# SSH to App Server 3

ssh banner@stapp03.stratos.xfusioncorp.com

# Create directory if it doesn't exist

mkdir -p /home/appdata

# Check current permissions

ls -ld /home/appdata

# If needed, change ownership (usually not required for user's home directory)

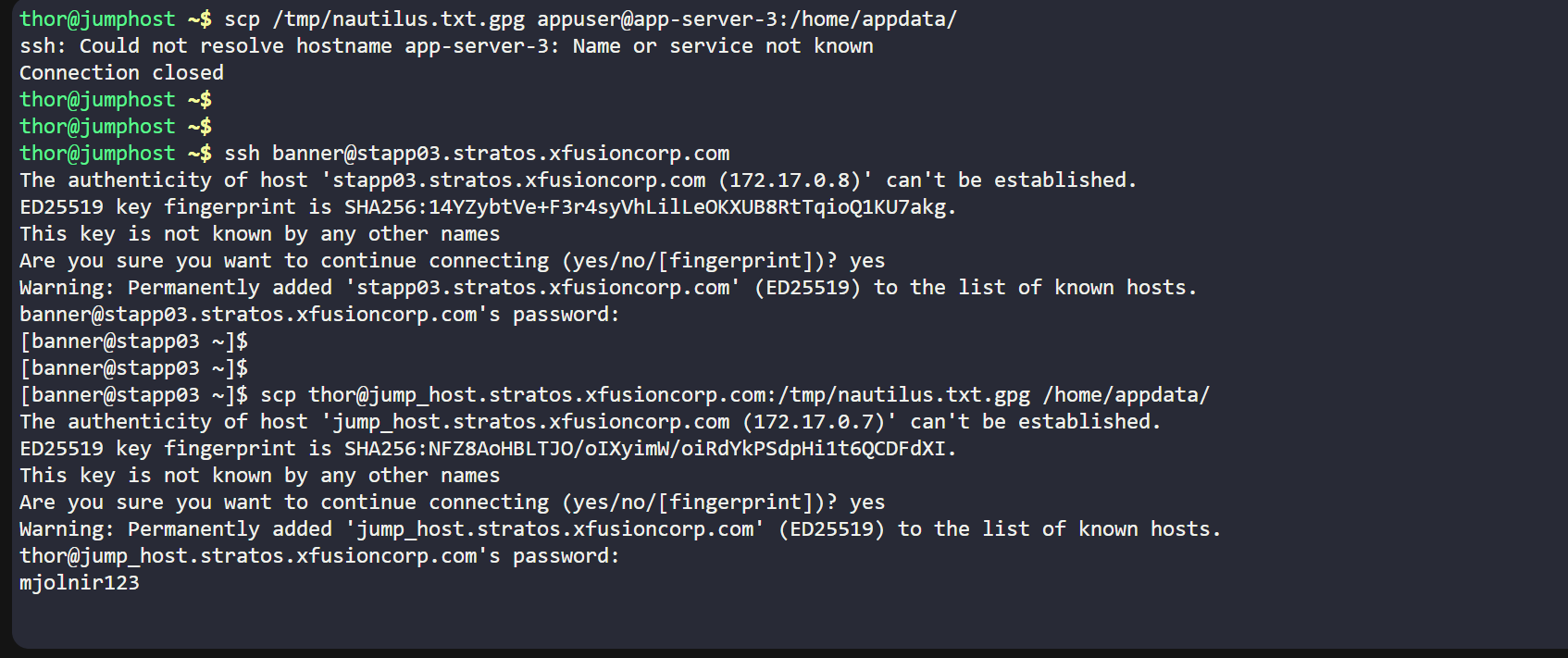
# sudo chown banner:banner /home/appdata

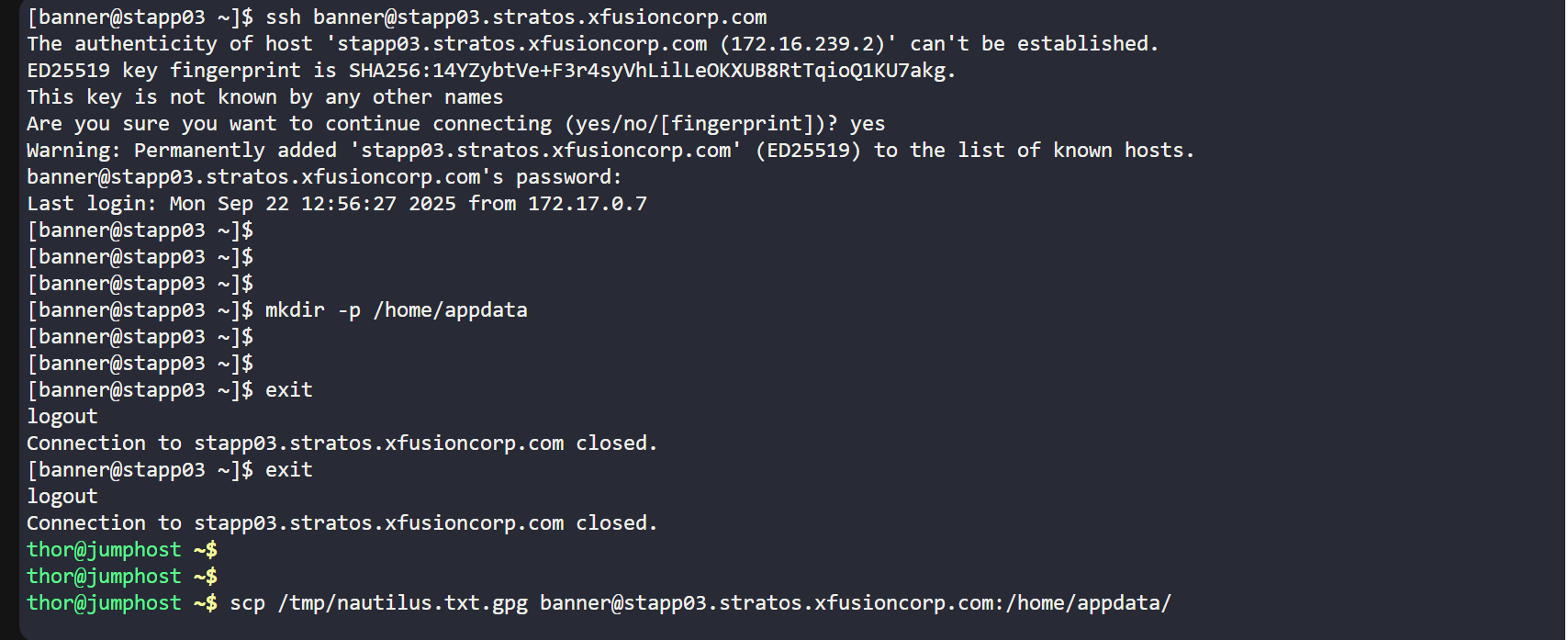
**Clean Up (Optional)**

After successful transfer and verification:

# Remove the file from jump server if required by security policy

rm /tmp/nautilus.txt.gpg

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