It is a ready-to-use set of templates for automating your SQL Server backup and restore using **SQL Server Agent Jobs**. This includes:

* ✅ A .sql script for the backup and restore steps
* 🧩 A .ps1 PowerShell script to copy the .bak file between servers

**✅ SQL Server Agent Job Script (Schedule\_BackupRestore\_AgentJob.sql)**

**Step 1: Backup the database on source server**

DECLARE @BackupPath NVARCHAR(255) = 'C:\Backups\Ascend\_20251024.bak';

BACKUP DATABASE [Ascend]

TO DISK = @BackupPath

WITH FORMAT, STATS = 10;

**Step 2: (Optional) Enable xp\_cmdshell if using it for file copy**

EXEC sp\_configure 'show advanced options', 1;

RECONFIGURE;

EXEC sp\_configure 'xp\_cmdshell', 1;

RECONFIGURE;

**Step 3: Copy the backup file to destination server (if using xp\_cmdshell)**

EXEC xp\_cmdshell 'copy "C:\Backups\Ascend\_20251024.bak" "\\DestinationServer\SharedFolder\Ascend\_20251024.bak"';

**Step 4: Restore the database on destination server**

This step should be executed on the destination server or via a linked server

RESTORE DATABASE [Ascend]

FROM DISK = '\\DestinationServer\SharedFolder\Ascend\_20251024.bak'

WITH

MOVE 'Ascend' TO 'C:\Data\Ascend\_Data.mdf',

MOVE 'Ascend\_Log' TO 'C:\Data\Ascend\_Log.ldf',

RECOVERY, STATS = 5;

**🧩 PowerShell Script (CopyBackupFile.ps1)**

# Define source and destination paths

$sourceFile = "C:\Backups\Ascend\_20251024.bak"

$destinationFile = "\\DestinationServer\SharedFolder\Ascend\_20251024.bak"

# Copy the backup file

Copy-Item -Path $sourceFile -Destination $destinationFile -Force

# Optional: Log success

Write-Host "Backup file copied successfully to destination server."

**🛠️ Setup Checklist**

| **Task** | **Tool** | **Notes** |
| --- | --- | --- |
| Create SQL Agent Job | SSMS | Name: usp\_Schedule\_BackupRestore\_AgentJob |
| Add T-SQL Step | SSMS | Use .sql script above |
| Add PowerShell Step | SSMS or external | Use .ps1 script above |
| Schedule Job | SSMS → Job → Schedules | Daily at 2:00 AM (or preferred time) |
| Monitor Logs | SSMS → Job → View History | Check for errors and duration |
| Optional | Linked Server | If restoring remotely via T-SQL |