Description:

Welcome to IT-Backup-Tool. This tool is created on the .Net framework. You can use SSH/FTP to save and restore data on Linux servers using an easy-to-use GUI interface. No more writing and managing shell scripts to protect your data.

Installing:

To install the project,

- Git clone / download the project
- Select the version you want to download.
- Click on the setup file
- You will be prompted to download .net runtime if you dont already have it. Note, this project cannot run without the .net runtime.
- Follow the rest of the prompts.
- Enjoy!

Functions:

- Backup
  Browse your linux server files and select what you want to backup and where. Press Start to execute. Optionally, save the profile for late use.
- Restore
  Specify what you want to restore and where. Point it to the directory containing the backup set and execute.
- Search
  Don’t know which backup set to use? Use Search to find out if a backup set contains the needed data.
- Settings
  Manage your servers by adding, deleting and editing your server information. Optionally go to the script tab to add custom bash script to our pre-exisitng code for any specific requirements.

Scripts:

Below I have made some of the scripts available to see.

Full Backup:

```
#!/bin/bash
#   $1= target directory
#   $2= sshpass
```

```
#   $3= targetserveranddirectory
#   $4= removeFileFromTarget
#   ${@:5}= source directories for backup
for directory in "${@:5}"
do
#      echo "${directory}"
       cd "${directory}"
       Directory="$(basename "${directory}")"
       echo "${Directory}"
       tar -czf "$1"/"full_backup_${Directory}_$(date '+%Y-%m-%d_%H-%M-%S').tar.gz"
"./"
          if [ "$4" = true ]
          then
                  sudo apt-get install sshpass -y
                  sshpass -p "$2" scp -r "$1"/"full_backup_${Directory}_"* $3
          rm -rf "$1"/"full_backup_${Directory}_"*
          fi
done
```

Incremental Backup:

```
#!/bin/bash
#    $1= number of days for incremental backup
#    $2= target directory
#    $3= sshpass
#    $4= targetserveranddirectory
#    $5= removeFileFromTarget
#    ${@:6}= source directories for incremental backup
for directory in "${@:6}"
do
       cd "${directory}"
       Directory="$(basename "${directory}")"
       find -newermt ""$1" day ago" -type f | while read file
       do
            dirbase=`dirname "${file}"`;
            mkdir -p incremental_backup_$(date +"%F")/"${dirbase}"
            cp "$file" incremental_backup_$(date +"%F")/"${file}"
       done
if [ -d incremental_backup_$(date +"%F") ]
then
       cd incremental_backup_$(date +"%F")
       tar -czvf $2/incremental_${Directory}_$(date '+%Y-%m-%d_%H-%M-%S').tar.gz ./
       cd ..
```

```
        rm -rf incremental_backup_$(date +"%F")
else
        echo "No new files found in ${directory}"
fi
if [ "$5" = true ]
then
            sudo apt-get install sshpass -y
            sshpass -p "$3" scp -r "$2"/"incremental_${Directory}_"* $4
            rm -rf "$2"/"incremental_${Directory}_"*
fi
done
```