

## Use Chain2Gen for Full Backups plus Archive Splitting

While **Chain2Gen** works best with NTFS file systems, those with FAT32 file systems can still utilize many of its program features. The example below is for a user that is performing full backups only but using "**archive splitting**" to control size of backup files.

The "set MAX\_BACKUP\_GENERATIONS=6" user option indicates user wants 6 (can be more or less) sets(generations) of backup files saved. Each set will be in its own folder (set0, set1, set2, etc). Each set will comprise whatever split files are created when doing a "full" type backup. Backup file size will be as dictated by the "**archive splitting**" option set by the user.

The "set TRGR\_ON\_MAX\_TIB\_CNT=1" user option indicates that Chain2Gen is to check the number of backup files equals 1 or more, and if yes, **Chain2Gen** is to move the backup files into the next successive "set" folder. Thus, the folder "set0" is always empty when checked by TrueImage. An empty folder is the indication for TrueImage to create a fresh full backup during its current backup creation.

:: User must change these next variables and supply their own pertinent information.

```
set TARGET_UNC_N_DEVICE=H:
set TARGET_GENERATIONS_FOLDER=ATI-DocsI
set MAX_BACKUP_GENERATIONS=6
set TRGR_ON_MAX_TIB_CNT=1
```

So to summarize user actions:

1. The user edits the ***\_USER\_SPECIFIED\_PARAMS\_FOR\_ACRONIS.bat*** file and updates all four variables as shown above.

In my example, the backup storage drive is *H:* and *ATI-Docs* is the storage folder for the backups and the **Chain2Gen** files.

2. Next the user creates a Backup Task (Script) either Scheduled or Non-scheduled which is illustrated in the **Chain2Gen** pdf guide.
  - A. **Backup Type** (fig 10)=Disk or partition.
  - B. **What to back up** (fig 11)= User selectable. Checkmarking the ***disk*** option includes everything on the designated disk (Recommended).
  - C. **Archive location** (fig 12)
    1. Select option: "Create new backup archive".
    2. Point Backup Location to the user created "**set0**" storage folder inside the main backup storage folder.
  - D. **Scheduling** (fig 13):. Create schedule (if needed) and supply logon password, if needed.
  - E. **Backup method** (fig 14): User choice. **Incremental** (changes since last incremental) or **Differential** (changes since last full)type (fig 14).
  - F. **What to exclude** (fig 15):. User choice.
  - G. **Inside Backup options:**
    1. Pre/post option (fig 16): Select custom ("Before Backup Process")and point to the H:\ATI-Docs\**Acronis\_Preprocessing\_Task**.bat file.
    2. If user want the computer shutdown after Acronis finishes the backup, user can additionally select the "After Backup Process" option and point to the H:\ATI-Docs\**post\_backup\_shutdown.bat** file. Then, after TrueImage finishes the backup, a popup window appears indicating computer will shutdown after 300 seconds with opportunity for user to abort the shutdown.
    3. Archive splitting (fig 17): User wants backup files split into smaller sizes so select this option and input the desire file size.
    4. User selects any other backup options to be included such as validation, password protection, e-mail notification.
  - H. Consolidation (fig 20): Do ***not*** consolidate.
  - I. Comments (fig 21): Assign a meaningful name to the backup task and add any appropriate comments to help identify the contents of your disk at the time of the backup.
  - J. Finish option (fig 22): ***Uncheck*** the run task now and review the intended backup options.
  - K. Save the Task: (fig 22): Click the **Proceed** button.

**Chain2Gen:** How to do backup generations (GFS-Grandfather,Father,Son) with Acronis TI.

<http://forum.acronis.com/forum/5940>