

I Series Entire System Backup Steps

This process should be run quarterly and must be run with tape(s) that have the **maximum** density for your iSeries tape device. As a general rule of thumb initialize two tapes!!

- This process **MUST** be run from the iSeries System console. It can be identified by the **QCTL** in the top right corner of the screen.
- All users **MUST** sign off as this process will End All Subsystems including **ALL** interactive and batch jobs.
- This process could take several **HOURS**, so plan to run it overnight!
- The tape(s) created during this process will be used in the event of a hard drive failure or other catastrophic system wide error. The tape(s) created during this process in conjunction with your nightly backups will be used to restore the system in its entirety. Initialize at least **TWO** tapes!

1. Sign on as Security Offices (User Id. **QSECOFR**).
2. At the command line type **inztap** and press f4. You will see the following screen:

```
Initialize Tape (INZTAP)

Type choices, press Enter.

Device . . . . . > TAP01           Name
New volume identifier . . . . . > SAVT01       Character value, *NONE...
New owner identifier . . . . . > 'BKUP 11062008'
Volume identifier . . . . . *MOUNTED       Character value, *MOUNTED
Check for active files . . . . . > *NO         *YES, *NO, *FIRST
Tape density . . . . . *DEVTYPE           *DEVTYPE, *CTGTYPE, *QIC120...
Code . . . . . *EBCDIC                   *EBCDIC, *ASCII
End of tape option . . . . . *REWIND       *REWIND, *UNLOAD
Clear . . . . . *NO                       *NO, *YES

Bottom

F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```

You must fill out the “Device” keyword with “**TAP01**”, the “New Volume identifier” with “**SAVT01**” and the “Check for Active files” with “***NO**”. Optionally, the “New owner identifier” keyword can be entered as a company id abbreviation followed by the date, 14 characters max.

3. At the iSeries Main Menu take option “**3. General System Tasks**” and then on the following screen take option “**6. Save**” followed by option “**21. Entire System**”.
4. You will be greeted by a screen, which will inform you of all of the things that this option will and will not do. Press **Enter** to get to the last screen.

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5. You will be greeted by the following “Save Entire System” screen:

```
                                Specify Command Defaults
Type choices, press Enter.
Devices . . . . . TAP01          Names
Prompt for commands . . . . . N      Y=Yes, N=No
Check for active files . . . . . N    Y=Yes, N=No
Message queue delivery . . . . . *NOTIFY *BREAK, *NOTIFY
Start time . . . . . *CURRENT      *CURRENT, time
Vary off network servers . . . . . *NONE *NONE, *ALL, *WINDOWSNT *GUEST
Unmount file systems . . . . . N      Y=Yes, N=No
                                           More...

F3=Exit  F12=Cancel

Bottom
F3=Exit  F12=Cancel  F19=Left  F20=Right  F24=More keys

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                                Specify Command Defaults
Type choices, press Enter.

Print system information . . . . . N      Y=Yes, N=No
Use system reply list . . . . . N      Y=Yes, N=No
Spooled file data . . . . . *ALL *NONE, *ALL
```

You must fill out the “Device” keyword with “**TAP01**”, the “Prompt for commands” with “**N**”, the “Check for active files” with “**N**” and the “Message queue delivery” with “***NOTIFY**”. Once these changes have been made press the “**Enter**” key to End Subsystems and begin the Entire System Backup process. You may get several messages that cause you to press enter, but you will always end up back on the above screen. Once the tape starts whirring and the tape light comes on the process has begun!

- a. You could get a message for the next tape “**waiting for next tape**”
- b. Put the **next tape** in the tape drive. Key the letter “**g**” (upper or lower case) and press **Enter** twice.

The backup process will continue!

6. Once the process has completed, the message “**save entire system completed normally**” should be displayed.
7. DSPJOBLOG * *PRINT
8. You can now return to normal processing. All users may sign on again and processing can continue as normal.

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If the “**save entire system completed normally**” message **does not** display or any other message is displayed informing you of an abnormal entire system backup, place the cursor on the error message using the “arrow keys”. Then once the cursor is on the error message press the “Help” key. The error message will be display as a full screen error message with command key options on the bottom line. Press “**f10**” to “**Display messages in job log**”. Once in the “job log” (screen heading “**Display All Messages**”) press the “**f18**” key to get to the bottom of the messages. You may have to scroll back up to find where the Entire System Backup’s problem(s) occurred.

Call SolutionWare with whatever errors/problems that you find.