Success Stories

"We automate as much as possible here and the Phantom Job Processor is an integral part of that process. Once we setup a new process in the Phantom Job Processor, we pretty much forget about it. The program will let us know when there's a problem."

James Petryka
Harris & Harris, Ltd.

"The Phantom Job Processor is the ultimate jBase (Pick) "CRON" tool. Set it up and don't worry about it. I especially like the self-documenting logging."

Chris Mathews, President
Nationwide Recovery Systems

"The Phantom Job Processor has been a great improvement in our operations by allowing us to schedule and automate jobs that before were done manually, and sometimes inconsistently. The level of control and flexibility the program provides really frees up my time to work on other critical issues. We're now working smarter, not harder.

Many thanks to you and your staff for a superior product, and top notch support."

Phil Schopp, Vice President, Information Technology
Client Services, Inc.

"The Phantom Job Processor has resulted in a substantial savings of employee time previously spent launching and monitoring jobs. After using the PJP for over a year now we wonder how we ever got along without it.

Working with CCI is a pleasure as staff is responsive to our needs."

Judy Black
MedAssist, Inc.

Stand Alone Monitor Program

The PHANTOM.MONITOR program checks the status of each running phantom. If a process is being executed, and if it has exceeded its maximum run time, the program will recognize it as a potentially stalled phantom and send an email to the system administrator(s) to alert them to the situation. The PHANTOM.MONITOR can be run under the UNIX cron or Windows Scheduled Tasks.

Give Us A Call Today

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Cubs Consulting Inc.

Phantom Job Processor

The Phantom Job Processor is a sophisticated application designed to increase the efficiency of your operations by scheduling repetitive reports and jobs to run automatically and without operator intervention.

Automation & Control You've Been Waiting For
The Phantom Job Processor allows you to easily organize, schedule and monitor a multitude of tasks utilizing an easy-to-use interface.

Save money on licenses. Phantom processors do not use system or The Collector System licenses.

Incorporate custom reports and processes.

Email notifications are automatically sent to specified individuals when a job completes.

View a complete audit trail of each scheduled task including the actual elapsed run time.

Self monitoring. The Phantom Job Processor can automatically send emails when problems are detected.

Auto resume of Phantom Job Processor after a planned server reboot.

Cubs Consulting's staff is available to help you automate virtually any job in The Collector System. Ask about our automated DAYEND and LETTER WRITING solutions.

Phantom Job Processor

The Phantom Console program allows the system administrator to configure and oversee all of the functionality of the Phantom Job Processor software. It can be password protected for tight control. The screens include:

```
    Phantom Console - Main Screen (MEST)        09/27/07 15:22:29
Nbr  Logon      Name        Status
01.  ACS        ACS_AUTO    Waiting to launch MASER.AUTO.DELTA at 09/27 21:50
02.  MEST       AUTO_1      Waiting to launch MES.TO.PORTAL.AUTO at 09/27 18:00
03.  MEST       AUTO_2      Waiting to launch ARGENT.NOTES.AUTO at 09/27 16:00
04.  MEST       AUTO_3      Waiting to launch SR.STATUS.DATE.UPDATE at 09/27 19:
05.  MEST       AUTO_4      Waiting to launch RETURN.RESKIM.CCI.AUTOMATED at 09/
06.  MEST       AUTO_5      Waiting to launch SHS.RETURN at 09/28 03:00
07.  MEST       AUTO_6      Waiting to launch UMC.RETURN.AUTO at 09/28 03:00
08.  MEST       AUTO_7      Waiting to launch PHANTOM5-REVERSE-PROC at 09/28 03:
09.  MEST       DAV_END     Waiting to launch DAVEND-PHANTOM at 09/27 19:30
10.  MEST       MEST_AUTO   Waiting to launch CCI.REPORTS.MONTHLY at 10/01 05:00
11.  MEST       MOSER       Waiting to launch MASER.AUTO.DELTA at 09/27 23:50
12.  ORM        ORM_AUTO    Waiting to launch MES.TO.PORTAL.AUTO at 09/27 18:00
13.  TWN        TWN_AUTO    Waiting to launch RETURN.RESKIM.CCI.AUTOMATED at 09/

(A)dd, nbr, (S)top, (E)mail, (R)efresh, e(X)it:
```

Main Screen - Contains a list of all of the individual defined phantoms showing their logon, name, and the current status of each phantom.

```
       Phantom Console - Phantom Detail Screen     09/27/07 15:26:55

Logon: ACS                               Printer Form:F0
Name:  ACS_AUTO                          Print/Hold:3-Print and hold
                                                       Override    Max
Nbr Run Instruction    Cycle    Time   Last_Launch Status Next_Launch Time
01. PHANTOM-ACS-NOTES   M-F     05:00  09/27 05:00 Done                01:00
02. MASER.AUTO.DELTA    M-F     21:50  09/26 21:50 Done                02:14
03. ACS-THURS-PROC      TH      06:00  09/27 06:00 Done                00:30

(L)og, (H)eader, (A)dd, (D)elete, nbr, (F)ile, (R)efresh, e(X)it:
```

Phantom Detail Screen - Contains a list of all of the processes (jobs) which are controlled by that phantom.

```
       Phantom Console - Process Detail Screen    09/30/07 01:00:05
                   ACS - ACS_AUTO

   Run Instruction: PHANTOM-ACS-NOTES
            Cycle: M-F
             Time: 05:00
     Max Run Time: 01:00
Override Next Launch:
Email on Completion: jack@nest.biz

    Stacked Inputs: 01. Y
                    02. <enter>
                    03. <date>

Enter specific days of the week, separated by semicolons (M;TU;W;TH;F;SA;SU).
Shortcuts: "D" for daily (all days); A range of days (i.e. M-F or TU-SA).
"C" = Continuous runs, for background processes with X minutes between runs.
"Mdd" where dd is the day of the month.  Run only on the specified day.
"X" = Disable this job, leaving it set up for activation later.
```

Process Detail Screen - Contains the defining elements for each individual job, including TCL command, run days, run time, email recipient(s) at job completion.

```
Page 1 of 11          Phantom Console - Log Screen        09/27/07 15:28:56

09/27 15:28 Waiting to launch "MASER.AUTO.DELTA" on 09/27 at 21:50
09/27 06:05 "ACS-THURS-PROC" completed; elapsed time 00:05:18
09/27 06:00 Launched "ACS-THURS-PROC" at normal time.
09/27 05:14 "PHANTOM-ACS-NOTES" completed; elapsed time 00:14:20
09/27 05:00 Launched "PHANTOM-ACS-NOTES" at normal time.
09/26 22:33 "MASER.AUTO.DELTA" completed; elapsed time 00:43:19
09/26 21:50 Launched "MASER.AUTO.DELTA" at normal time.
09/26 05:15 "PHANTOM-ACS-NOTES" completed; elapsed time 00:15:01
09/26 05:00 Launched "PHANTOM-ACS-NOTES" at normal time.
09/25 22:25 "MASER.AUTO.DELTA" completed; elapsed time 00:35:53
09/25 21:50 Launched "MASER.AUTO.DELTA" at normal time.
09/25 05:15 "PHANTOM-ACS-NOTES" completed; elapsed time 00:15:00
09/25 05:00 Launched "PHANTOM-ACS-NOTES" at normal time.
09/24 22:23 "MASER.AUTO.DELTA" completed; elapsed time 00:33:33
09/24 21:50 Launched "MASER.AUTO.DELTA" at normal time.
09/24 05:14 "PHANTOM-ACS-NOTES" completed; elapsed time 00:14:56
09/24 05:00 Launched "PHANTOM-ACS-NOTES" at normal time.
09/24 08:01 Phantom automatically resumed
09/24 08:01 Phantom start requested

(P)age nn, (N)ext, (R)efresh, e(X)it:
```

Log Screen - Contains a complete audit trail for each phantom or for each process within a phantom.

```
       Phantom Console - Planned Stoppage Screen

Auto Shutdown Days: 07
         Stop Date: 09/29/2007
         Stop Time: 23:00
       Resume Date: 09/30/2007
       Resume Time: 01:15

How many days old should a phantom be when it automatically shuts down?
```

Planned Stoppage Screen - Contains parameters to automatically restart phantoms after a certain number of days or to accommodate a planned system outage.

```
       Phantom Console - Email Recipients Screen   09/27/07 15:33:33

    Phantom Started: jack@nest.com
      Phantom Hung: jack@nest.com
   Phantom Stopped: jack@nest.com
    Phantom Killed: jack@nest.com

Enter email addresses, separated by semi-colons (;), for people to notify when
a phantom is started.
```

Email Recipients Screen - Contains lists of email addresses of personnel to notify when a phantom is started, stopped, recognized as hung, or killed.

Configure

The Phantom Console handles multiple logons. Within each logon there can be multiple phantoms. Within each phantom there can be multiple processes (jobs) to run. The configuration parameters within each of the hierarchical levels are:

Phantom:

o Logon under which to run
o Name (unique identifier within the logon)
o List of processes (jobs) which are run by this phantom
o Spooler form number and hold/print options

Process:

o Run Command and optional input prompts
o Cycle: There is a lot of flexibility in this parameter. The options include:
  - Continuous run, with X minutes between runs
  - Run on a range of days (i.e. M-SA)
  - Run on specific days (i.e. M;W;F)
  - Run on a specific day of the month
  - Run on a specific number of minutes past the hour
  - Temporarily disabled. Not to be run.
o Time to launch the job. For the "continuous" cycle, the number of minutes between runs.
o Maximum Run Time. This parameter is used by the Phantom Monitor to help you detect jobs which may not have completed. If a job begins but does not finish in the alloted time, an email alert is sent. The Maximum Run Time is automatically updated by actual experience to avoid false alerts in the future.
o Override Next Launch: This allows the administrator to override the normal launch time in order to deal with a one-time exceptional occurrence.
o Email on completion: A list of email addresses which will receive notification when the job is completed.
o Stacked Inputs: Allows user inputs to be pre-loaded for programs which require user input.
o Phantom Job Processor is certified for jBase or uniVerse on Windows NT, UNIX and AIX platforms only.

Control

From the Main Screen of the Phantom Console program, you can perform the following actions on a configured phantom:

o Launch
o Stop
o Kill

Complete Audit Trail

The Phantom Log screen contains a complete audit trail for each phantom or for each process within a phantom.

Exceptional Events

Emails can be sent to a list of recipients when a phantom is started, stopped, detected as hung, or killed.

One-to-Many Relationships

Each logon can have multiple phantoms. Each phantom can have multiple processes (jobs) to run.

```
              Phantom
              Console
              /        \
        Logon            Logon
       /     \              |
  Phantom   Phantom      Phantom
     |         |            |
  Process   Process      Process
     |         |            |
  Process   Process      Process
     |                      |
  Process                Process
                            |
                         Process
```