How to restart processes on an Aruba controller

Here is a list of commands that we will use and what we can look for:

- "show processes" – if you used linux then you will love the output. Please check the other parameters of the command in order to see the process that uses more CPU or Memory.
    - PROCESS STATE CODES
        - R running or runnable (on run queue)
        - D incorruptible sleep (usually IO)
        - S interruptible sleep (waiting for an event to complete)
        - Z defunct/zombie, terminated but not reaped by its parent
        - T stopped, either by a job control signal or because it is being traced

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%CPU S   PID  PPID    VSZ   RSS F  NI START     TIME      EIP CMD
 0.0 S     1     0   4376   572 4   0 Mar22 00:00:06 2aca9dfc init
 0.0 S     2     1      0     0 1   - Mar22 00:00:01 00000000 [migration/0]
 0.4 S     3     1      0     0 1  19 Mar22 01:01:37 00000000 [ksoftirqd/0]
 0.0 S     4     1      0     0 1   - Mar22 00:00:01 00000000 [migration/1]
 0.0 S     5     1      0     0 1  19 Mar22 00:00:00 00000000 [ksoftirqd/1]
 0.0 S     6     1      0     0 1   - Mar22 00:00:00 00000000 [migration/2]
 0.0 S     7     1      0     0 1  19 Mar22 00:00:00 00000000 [ksoftirqd/2]
 0.0 S     8     1      0     0 1   - Mar22 00:00:01 00000000 [migration/3]
 0.0 S     9     1      0     0 1  19 Mar22 00:00:00 00000000 [ksoftirqd/3]
 0.0 S    10     1      0     0 1   - Mar22 00:00:00 00000000 [migration/4]
 0.0 S    11     1      0     0 1  19 Mar22 00:00:05 00000000 [ksoftirqd/4]
 0.0 S    12     1      0     0 1   - Mar22 00:00:01 00000000 [migration/5]
 0.0 S    13     1      0     0 1  19 Mar22 00:00:00 00000000 [ksoftirqd/5]
 0.0 S    14     1      0     0 1   - Mar22 00:00:01 00000000 [migration/6]
 0.0 S    15     1      0     0 1  19 Mar22 00:00:00 00000000 [ksoftirqd/6]
 0.0 S    16     1      0     0 1   - Mar22 00:00:01 00000000 [migration/7]
 0.0 S    17     1      0     0 1  19 Mar22 00:00:00 00000000 [ksoftirqd/7]
 0.0 S    18     1      0     0 1  -5 Mar22 00:00:00 00000000 [events/0]
 0.0 S    19     1      0     0 1  -5 Mar22 00:04:50 00000000 [events/1]
 0.0 S    20     1      0     0 1  -5 Mar22 00:00:07 00000000 [events/2]
 0.0 S    21     1      0     0 1  -5 Mar22 00:00:00 00000000 [events/3]
 0.0 S    22     1      0     0 1  -5 Mar22 00:00:00 00000000 [events/4]
 0.0 S    23     1      0     0 1  -5 Mar22 00:00:00 00000000 [events/5]
 0.0 S    24     1      0     0 1  -5 Mar22 00:00:00 00000000 [events/6]
 0.0 S    25     1      0     0 1  -5 Mar22 00:00:00 00000000 [events/7]
 0.0 S    26     1      0     0 1  -5 Mar22 00:00:00 00000000 [khelper]
 0.0 S    27     1      0     0 1  -5 Mar22 00:00:00 00000000 [kthread]
 0.0 S    39    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/0]
 0.0 S    40    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/1]
 0.0 S    41    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/2]
 0.0 S    42    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/3]
 0.0 S    43    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/4]
 0.0 S    44    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/5]
 0.0 S    45    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/6]
 0.0 S    46    27      0     0 1  -5 Mar22 00:00:00 00000000 [kblockd/7]
 0.0 S    93    27      0     0 1   0 Mar22 00:00:00 00000000 [pdflush]
 0.0 S    94    27      0     0 1   0 Mar22 00:00:00 00000000 [pdflush]
 0.0 S    96    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/0]
 0.0 S    97    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/1]
 0.0 S    98    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/2]
 0.0 S    99    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/3]
 0.0 S   100    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/4]
 0.0 S   101    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/5]
 0.0 S   102    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/6]
 0.0 S   103    27      0     0 1  -5 Mar22 00:00:00 00000000 [aio/7]
 0.0 S    95     1      0     0 1   0 Mar22 00:00:00 00000000 [kswapd0]
 0.1 S   747    27      0     0 1  -5 Mar22 00:15:53 00000000 [sp_packet_bh/0]
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- “show process monitor statistics” – will display a list of current processes running under watchdog.

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Process Monitor Statistics
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Name                         State           Restarts Allowed  Restarts  Timeout Value  Timeout Chances  Time Started
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/mswitch/bin/dbstart         PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:29 2014
/mswitch/bin/arci-cli-helper PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:29 2014
/mswitch/bin/fpcli           PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:29 2014
/mswitch/bin/packet_filter   PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:29 2014
/mswitch/bin/certmgr         PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:30 2014
/mswitch/bin/cryptoPOST      PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:30 2014
/mswitch/bin/sbConsoled      PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:30 2014
/mswitch/bin/pubsub          PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:31 2014
/mswitch/bin/cfgm            PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:31 2014
/mswitch/bin/syslogdwrap     PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:31 2014
/mswitch/bin/aaa             PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:31 2014
/mswitch/bin/fpapps          PROCESS_RUNNING  0                0         240            5                Sat Mar 22 17:04:31 2014
/mswitch/bin/pim             PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:32 2014
/mswitch/bin/licensemgr      PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:32 2014
/mswitch/bin/isakmpd         PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:32 2014
/mswitch/bin/wms             PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:32 2014
/mswitch/bin/profmgr         PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:32 2014
/mswitch/bin/auth            PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:33 2014
/mswitch/bin/stm             PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:33 2014
/mswitch/bin/rtpa            PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:33 2014
/mswitch/bin/udbserver       PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:33 2014
/mswitch/bin/dhcpdwrap       PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:34 2014
/mswitch/bin/radvdwrap       PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:34 2014
/mswitch/bin/mobileip        PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:34 2014
/mswitch/bin/phonehome       PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:34 2014
/mswitch/bin/hwMon           PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:34 2014
/mswitch/bin/snmpd           PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:35 2014
/mswitch/bin/trapd           PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:35 2014
/mswitch/bin/ntpwrap         PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:35 2014
/mswitch/bin/dbsync          PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:35 2014
/mswitch/bin/slb             PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:36 2014
/mswitch/bin/resolvwrap      PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:36 2014
/mswitch/bin/cts             PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:36 2014
/mswitch/bin/httpd_wrap      PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:37 2014
/mswitch/bin/l2tpd           PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:37 2014
/mswitch/bin/pptpd           PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:37 2014
/mswitch/bin/misc-proc       PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:38 2014
/mswitch/bin/msghh           PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:38 2014
/mswitch/bin/ospf            PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:38 2014
/mswitch/bin/util_proc       PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:38 2014
/mswitch/bin/cpsec           PROCESS_RUNNING  8                0         240            5                Sat Mar 22 17:04:39 2014
/mswitch/bin/spectrum        PROCESS_RUNNING  -                0         240            5                Sat Mar 22 17:04:39 2014
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- “process restart <process name>” – will restart the process and in order to see if it has re-initialized you would need to use one of the previous commands.

I would recommend to have an Aruba support engineer with you on the phone when doing this on production and only if the engineer requests you to do so.