Updating Product Passwords

A CPU password is required to install and operate Relational Architects International (RAI) products on either a trial or permanent basis. The jobstream described below is used to specify the passwords that license these RAI products.

RAI passwords are specific to a product, release and CPU ID and cannot be used with other RAI products. To request a password for use on a CPU at a disaster recovery site, contact RAI or your local representative.

RAIJPSWD Jobstream

The RAIJPSWD member of the xxxCNTL dataset (where xxx is the component code for the Relational Architects product in question), illustrated in Figure P.1, provides a jobstream with which to specify passwords for one or more RAI program products. The numbers in parentheses to the right of the JCL statements correspond to the numbered, annotating paragraphs which follow.

> **NOTE**: Be sure to edit this member with **CAPS ON** since it contains lower case text.

```
//somejob JOB ....
//jobname  JOB
//   SET   RAILOAD=?raiload?                            <--- (1)
//PSWDGEN  EXEC PGM=RAIPWG
//STEPLIB  DD  DISP=SHR,DSN=&RAILOAD
//SYSTSPRT DD  SYSOUT=*
//SYSIN    DD  *                                        <--- (2)
  product1 aaaaaaaa bbbbbbbb pppvrm comments            <--- (3)
//SYSOUT   DD  DSN=&PASSWORD,UNIT=SYSDA,
//             SPACE=(TRK,(10,1)),DISP=(NEW,PASS)
//*----------------------------------------------------------------
//*
//*       Zap password load modules with updated product passwords
//*
//*----------------------------------------------------------------
```

```
//PSWDZAP  EXEC PGM=IMASPZAP,COND=(Ø,LT)
//SYSPRINT DD  SYSOUT=*
//SYSIN    DD  DSN=&PASSWORD,DISP=(OLD,DELETE)
//SYSLIB   DD  DISP=SHR,DSN=&RAILOAD
```

where

(1) Replace ?raiload? with the dataset name of the system load library of the Relational Architects product for which you are defining passwords.

(2) Specify instream input through the SYSIN DDname as follows: Specify the product line or line(s) ***exactly as supplied (in a cover letter, email or fax) by Relational Architects or one of its representatives***. In addition, be sure to specify the password definition line or line(s) in the same ***sequence*** as supplied to you. It is intended that you ***replace the line*** identified as (3) below.

(3) Each line of a password definition statement has the following format:

```
pppppppp aaaaaaaa bbbbbbbb pppvrm comments
```

where:

`pppppppp`	represents the RAI product name
`aaaaaaaa`	the first eight character password (token #2)
`bbbbbbbb`	the second eight character password token (token #3)
`ppp`	represents the three character RAI product code
`vrm`	the three digit Version Release Modification level of the RAI product. `pppvrm` *concatenated together* comprise token #4
`comments`	is an optional comment string comprised of 0 or more tokens

The second, third and fourth tokens are the *only* ones verified. The tokens specified as `pppppppp` and `comments` above are ignored and provide documentation only. The first token can start in any position. Leave at least one blank character between tokens.

Figure P.1   Password Update Jobstream

Product Password Messages

If any errors are found during password validation, RAI Server issues one or more of the following messages to help you identify and correct any errors. In all cases, messages pertain to the password definition statements present in the PASSWORD member of the RSVCNTL file allocated in the RAI Server procedure. Should you need to contact RAI technical support, please provide the following information:

- Your company name
- The RAI Product name and its version
- The ID and exact text of the error message

RAI001E   Load of XXXXXXXX failed.   Abend = AAAA Reason = RRRRRRRR

Explanation:
The RAI password authorization module whose name is represented by XXXXXXXX in the prototype text could not be loaded. The abend code (represented by AAAA in the prototype text) and abend reason code (represented by RRRRRRRR in the prototype text) further describe the error. If the abend code is 806, then the RAI password load module XXXXXXXX could not be found.

Developer Response:
Check with the RAI product administrator to ensure a password load module was created during installation. If it was created, ensure the load module is in a library accessible to the program fetch search order. Options include: Add a STEPLIB DD statement to the failing jobstep or JOBLIB DD statement to the failing jobstream. The load module library defined by either the STEPLIB or JOBLIB file must contain the password authorization module. A third option is to include the password load module library in the MVS linklist concatenation. The job should then be rerun.

Operator Response: Same as developer response.
System Programmer Response: None required
Problem Determination: Collect SYSUDUMP.

RAI002E   Specify product passwords before operating XXXXXXXX

Explanation: An attempt was made to utilize an RAI program product before it was
                                      fully installed. The RAI product administrator should be notified and
                                      advised that a pair of product passwords have to be specified BEFORE
                                      any RAI software product will operate correctly.

Developer Response: None required
Operator Response: None required
System Programmer Response: Generate a password load module via the RAI password definition
                                      dialog. Make the load module and library accessible to MVS program
                                      fetch.
Problem Determination: None required

RAI003E   xxxxxxxx product usage has expired on CPU xxxxx - contact vendor

Explanation: The RAI program product whose name is represented by
                                      XXXXXXXX in the prototype text will no longer operate on the CPU
                                      whose serial number is represented by XXXXX in the prototype text.
                                      This is because the term of usage has elapsed.   This could be due to
                                      the fact that the RAI program product XXXXXXXX was in for a trial
                                      or was licensed on a term rather than a perpetual basis. In order to
                                      continue to use the product, contact the vendor and obtain new
                                      passwords.

Developer Response: None required
Operator Response: None required
System Programmer Response: None required
Problem Determination: None

RAI004W   XXXXXXXX   product usage has NN days remaining -   Contact vendor

Explanation: This warning message indicates that the RAI product whose name is
                                      represented by XXXXXXXX in the prototype text will cease to operate
                                      in NN days. RAI should be contacted to arrange to extend the use of
                                      the product. Otherwise, it will cease to function in NN days.

Developer Response: None required
Operator Response: None required
System Programmer Response: None required
Problem Determination: None

RAI005E   XXXXXXXX   Version VVVVVV   not authorized on   CPU   XXXXX

Explanation: The set of passwords supplied by RAI for the product represented by XXXXXXXX in the prototype text do not authorize the use of the version and release of the product represented by VVVVVV in the prototype text. RAI should be contacted to obtain a pair of passwords consistent with the currently installed version and release of the product.

Developer Response: None required
Operator Response: None required
System Programmer Response: None required
Problem Determination: Collect a SYSUDUMP. Add a DSNTRACE DD statement

RAI006E   CPU serial   NNNNN   not authorized to run   PPPPPPPP

Explanation: The RAI product whose name is represented by PPPPPPPP in the prototype text is authorized to run on the processor complex whose CPU serial number is represented by NNNNN in the prototype text. The RAI product administrator should add a pair of password entries for this CPU serial number to the RAI password verification load module tailored for product PPPPPPPP. If RAI did not furnish these passwords, then the vendor should be contacted to obtain a pair of passwords which will enable the currently installed version and release of product PPPPPPPP to operate on CPU serial number NNNNN.

Developer Response: None required
Operator Response: None required
System Programmer Response: None required
Problem Determination: None