FORTRA

Robot Schedule
SAP Interface
13
User Guide

Contents

Notes:

■ **The Robot Schedule SAP Interface**

The Robot Schedule SAP Interface gives you the ability to schedule SAP processes on the IBM i using Robot Schedule. This interface also allows you to determine the status of your SAP-related jobs and run these jobs with reactivity to other jobs, and much more:

• Use Robot Schedule to run all your SAP jobs whether SAP is installed on an IBM i, Windows, or UNIX platform. Robot Schedule features cross-system reactivity so you can schedule SAP jobs that are dependent on other SAP jobs or IBM i, UNIX, or Windows jobs, regardless of where SAP resides.

• Schedule recurring jobs once in Robot Schedule and you have nothing more to do, ever. Robot Schedule runs these jobs on time, every time until you tell it to stop.

• View SAP error messages on the IBM i job log. Use Robot Alert, the IBM i email and pager messaging software, to send an email or pager message to an SAP professional automatically when critical events occur.

• Get spooled file output from SAP onto the IBM i output queue so you can view these documents natively or process them through Robot Reports, Fortra's report distribution, archiving, and viewing software. Or, you can use Robot Transform, the spooled file PDF transformation package, to convert them to PDF files, making them viewable on any platform. Robot Transform preserves electronic forms package graphics, bar codes, company logos, and so on.

■ **Three Packages In One**

Robot Schedule is the cornerstone of the Robot Automated Opera-tions Solution, Fortra's product line that allows you to run your IBM i unattended. Thousands of Robot Schedule users have found that their operations run more smoothly after automation with Robot Schedule.

Automation using Robot Schedule is unsurpassed because Robot Schedule is three packages in one. It is an automatic computer operator, a job scheduler, and a batch management system. Robot Schedule lets you choose between the traditional "green screen" and a fully functional graphic user interface (GUI) . See the Robot Schedule User Guide for more information.

■ **Prerequisites**

To use the Robot Schedule SAP Interface, you must be running Robot Schedule 9.07 or higher. You also must obtain a security code from your HelpSystems Regional Sales Manager. **Note**: This security code is different than your Robot Schedule security code.
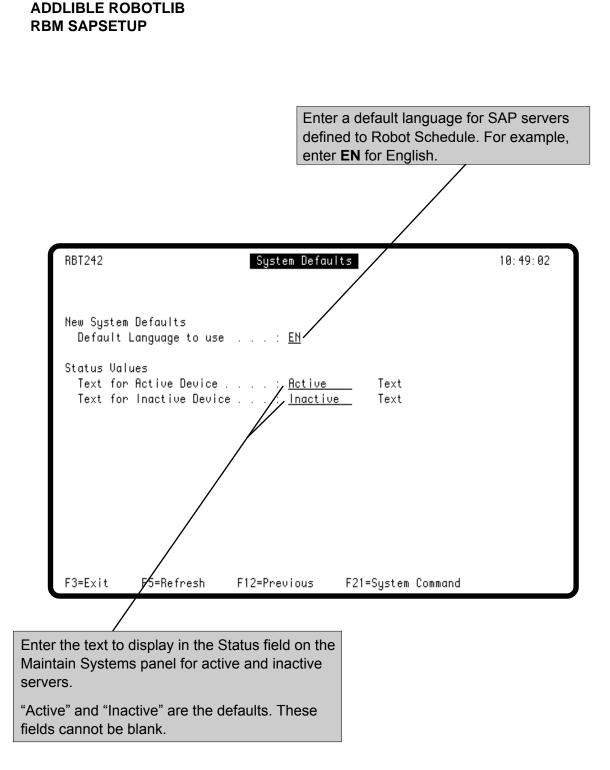
Entering your SAP Interface security code does the following:

• Places the SAPJOBS query in the Query menu

• Places three new security records in the Maintain Secured Objects panel

• Creates the RBM/SAPSETUP and RBM/SAPMAIN menu options

The remainder of this user guide describes how to complete the System Defaults panel; how to define your SAP servers to Robot Schedule; how to schedule your SAP jobs with the RBTRUNSAP (Robot Schedule Run SAP Process) command in Robot Schedule; and how to view SAP job completion history.

System Defaults Panel

Before you can define your SAP servers to Robot Schedule, you must complete the System Defaults panel. Use this panel to specify the default language for SAP servers defined to Robot Schedule and specify the display text for active and inactive servers. Enter the following commands to display this panel:

> **ADDLIBLE ROBOTLIB**
> **RBM SAPSETUP**

Enter a default language for SAP servers defined to Robot Schedule. For example, enter **EN** for English.

```
RBT242                      System Defaults                        10:49:02




      New System Defaults
        Default Language to use  . . . . :  EN

      Status Values
        Text for Active Device . . . . . :  Active        Text
        Text for Inactive Device . . . . :  Inactive      Text










      F3=Exit      F5=Refresh     F12=Previous     F21=System Command
```

Enter the text to display in the Status field on the Maintain Systems panel for active and inactive servers.

"Active" and "Inactive" are the defaults. These fields cannot be blank.

Maintain Systems Panel

You must define your SAP servers to Robot Schedule using the Maintain Systems panel before you can schedule jobs for them. To display this panel, enter the following commands:
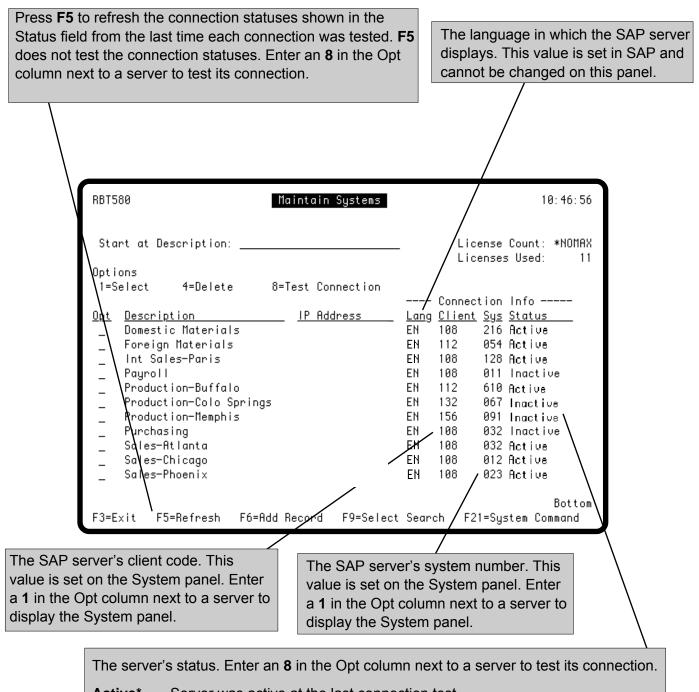
ADDLIBLE ROBOTLIB
RBM SAPMAIN

All the SAP servers that you define to Robot Schedule are listed on the Maintain Systems panel. The Maintain Systems panel displays an SAP server's description, IP address, and connection information. You can search the list of servers by server description or IP address. Use this panel to add, delete, and modify SAP server records. When you select a server on the Maintain Systems panel, you can modify its system/user/password combination. You also can use the Maintain Systems panel to determine if a server's connection information is correct.

In addition, the Maintain Systems panel displays the number of servers you are licensed to define to Robot Schedule and the number of SAP servers defined to Robot Schedule.

The License Count indicates the number of SAP servers you are licensed to define to Robot Schedule.

If this value is ***NOMAX**, you can define an unlimited number of SAP servers to Robot Schedule.

Licenses Used indicates the current number of SAP servers defined to Robot Schedule.

The SAP server's description, IP address, and connection information.

```
RBT500                        Maintain Systems                        10:46:56


     Start at Description: _____        License Count: *NOMAX
                                                        Licenses Used:      11
   Options
   1=Select      4=Delete      8=Test Connection
                                                    ---- Connection Info -----
   Opt  Description                 IP Address     Lang Client Sys Status
    _    Domestic Materials                         EN   108    216 Active
    _    Foreign Materials                          EN   112    054 Active
    _    Int Sales-Paris                            EN   108    128 Active
    _    Payroll                                    EN   108    011 Inactive
    _    Production-Buffalo                         EN   112    610 Active
    _    Production-Colo Springs                    EN   132    067 Inactive
    _    Production-Memphis                         EN   156    091 Inactive
    _    Purchasing                                 EN   108    032 Inactive
    _    Sales-Atlanta                              EN   108    032 Active
    _    Sales-Chicago                              EN   108    012 Active
    _    Sales-Phoenix                              EN   108    023 Active

                                                                      Bottom
   F3=Exit    F5=Refresh   F6=Add Record   F9=Select Search   F21=System Command
```

Maintain Systems Panel

Press **F5** to refresh the connection statuses shown in the Status field from the last time each connection was tested. **F5** does not test the connection statuses. Enter an **8** in the Opt column next to a server to test its connection.

The language in which the SAP server displays. This value is set in SAP and cannot be changed on this panel.

```
RBT580                      Maintain Systems                      10:46:56


 Start at Description: _____     License Count: *NOMAX
                                                  Licenses Used:      11
Options
 1=Select      4=Delete      8=Test Connection
                                                ----- Connection Info -----
Opt  Description           IP Address      Lang Client Sys Status
 _    Domestic Materials                    EN   108    216 Active
 _    Foreign Materials                     EN   112    054 Active
 _    Int Sales-Paris                       EN   108    128 Active
 _    Payroll                               EN   108    011 Inactive
 _    Production-Buffalo                    EN   112    610 Active
 _    Production-Colo Springs               EN   132    067 Inactive
 _    Production-Memphis                    EN   156    091 Inactive
 _    Purchasing                            EN   108    032 Inactive
 _    Sales-Atlanta                         EN   108    032 Active
 _    Sales-Chicago                         EN   108    012 Active
 _    Sales-Phoenix                         EN   108    023 Active


                                                                 Bottom
 F3=Exit    F5=Refresh    F6=Add Record    F9=Select Search   F21=System Command
```

The SAP server's client code. This value is set on the System panel. Enter a **1** in the Opt column next to a server to display the System panel.

The SAP server's system number. This value is set on the System panel. Enter a **1** in the Opt column next to a server to display the System panel.

The server's status. Enter an **8** in the Opt column next to a server to test its connection.

Active* Server was active at the last connection test.

Inactive* Server was inactive at last connection test.

Blank Server status is unknown. Test the connection to determine status.

Failed Server failed last connection test.

* These values may be different if they were changed on the System Setup panel.

Searching for a Server
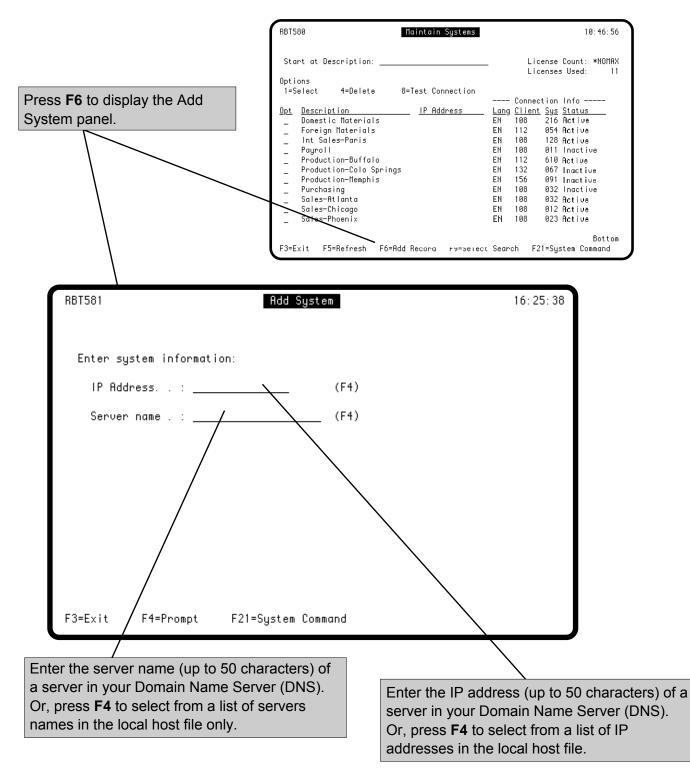
You can search for SAP servers by server description or IP address. If you change search criteria, the panel displays again using the selected sort option and the label on the **Start at** field changes accordingly.

In this example, the server list is sorted alphabetically by server description. To locate a server in the list, enter the server description in the **Start at** field and press Enter. Robot Schedule searches for the first server with that name and positions it at the top of the list.

```
RBT580                  Maintain Systems                      10:46:56


 Start at Description: _____    License Count: *NOMAX
                                                   Licenses Used:     11
Options
 1=Select      4=Delete      8=Test Connection
                                           ---- Connection Info -----
Opt  Description            IP Address      Lang Client Sys Status
 _   Domestic Materials                     EN   108    216 Active
 _   Foreign Materials                      EN   112    054 Active
 _   Int Sales-Paris                        EN   108    128 Active
 _   Payroll                                EN   108    011 Inactive
 _   Production-Buffalo                     EN   112    610 Active
 _   Production-Colo Springs                EN   132    067 Inactive
 _   Production-Memphis                     EN   156    091 Inactive
 _   Purchasing                             EN   108    032 Inactive
 _   Sales-Atlanta                          EN   108    032 Active
 _   Sales-Chicago                          EN   108    012 Active
 _   Sales-Phoenix                          EN   108    023 Active

                                                             Bottom
 F3=Exit    F5=Refresh    F6=Add Record   F9=Select Search   F21=System Command
```

To change the search option, press **F9** to display the Search Options window. Enter a **1** next to the sort option you want to use and press Enter.

```
RBT702   Search Options   16:07:45

 1=Select Option
 _    Sort by Description
 _    Sort by IP Address

                          Bottom
 F3=Exit
```
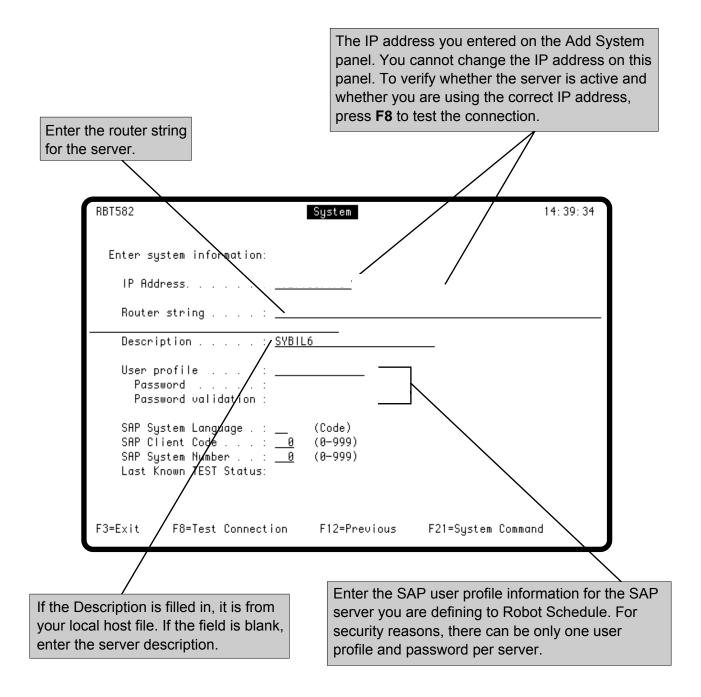
Defining a Server to Robot Schedule

To define a new server to Robot Schedule , press **F6** on the Maintain Systems panel to display the Add System panel. Use the Add System panel to define SAP servers to Robot Schedule. Enter the IP address or server name of the server you are defining. If you don't know this information, press **F4** to display a list of server names or IP addresses.

```
RBT580                    Maintain Systems                    10:46:56

  Start at Description: _____      License Count: *NOMAX
                                                  Licenses Used:     11
Options
 1=Select      4=Delete       8=Test Connection
                                               ---- Connection Info -----
Opt  Description            IP Address     Lang Client Sys Status
 _   Domestic Materials                     EN   108    216 Active
 _   Foreign Materials                      EN   112    054 Active
 _   Int Sales-Paris                        EN   108    128 Active
 _   Payroll                                EN   108    011 Inactive
 _   Production-Buffalo                     EN   112    610 Active
 _   Production-Colo Springs                EN   132    067 Inactive
 _   Production-Memphis                     EN   156    091 Inactive
 _   Purchasing                             EN   108    032 Inactive
 _   Sales-Atlanta                          EN   108    032 Active
 _   Sales-Chicago                          EN   108    012 Active
 _   Sales-Phoenix                          EN   108    023 Active
                                                               Bottom
 F3=Exit   F5=Refresh   F6=Add Record   ry=Select Search   F21=System Command
```

Press **F6** to display the Add System panel.

```
RBT581                    Add System                         16:25:38

   Enter system information:

      IP Address. . :  _____       (F4)

      Server name . :  _____       (F4)

 F3=Exit     F4=Prompt     F21=System Command
```

Enter the server name (up to 50 characters) of a server in your Domain Name Server (DNS). Or, press **F4** to select from a list of servers names in the local host file only.

Enter the IP address (up to 50 characters) of a server in your Domain Name Server (DNS). Or, press **F4** to select from a list of IP addresses in the local host file.

Defining a Server to Robot Schedule

After you complete the Add System panel, the System panel displays allowing you define new servers. Enter a router string, server description, the SAP user profile and password for the server, and a SAP client code and system number for the server. As a security precaution, there can be only one valid user profile and password per server.

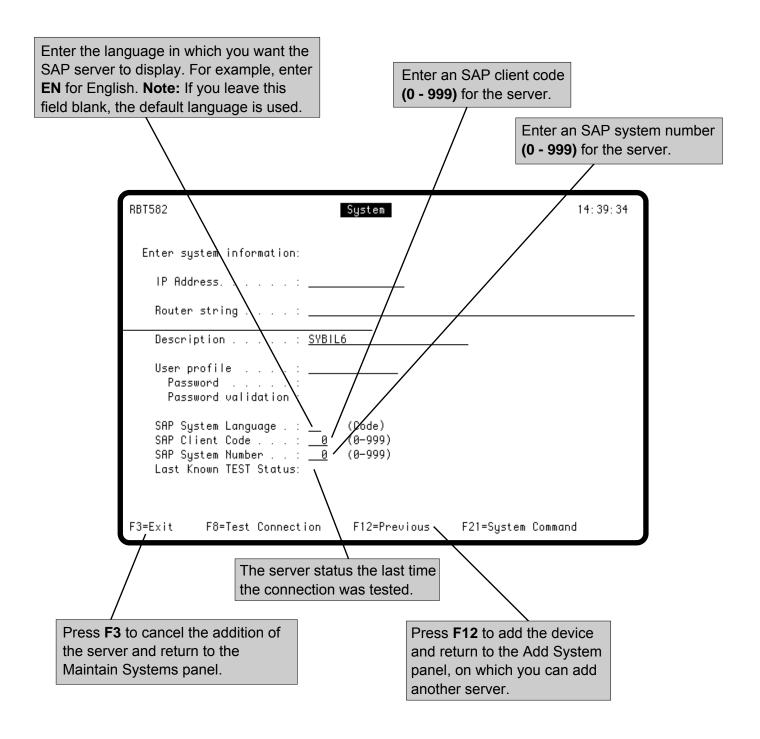The IP address you entered on the Add System panel. You cannot change the IP address on this panel. To verify whether the server is active and whether you are using the correct IP address, press **F8** to test the connection.

Enter the router string for the server.

```
RBT582                         System                          14:39:34


    Enter system information:

       IP Address. . . . . .     _____

       Router string . . . . :  _____

     _____
       Description . . . . . :  SYBIL6_____

       User profile  . . .  :  _____
        Password   . . . . . :
        Password validation :

       SAP System Language . :  __     (Code)
       SAP Client Code . . . :   0     (0-999)
       SAP System Number . . :   0     (0-999)
       Last Known TEST Status:



    F3=Exit     F8=Test Connection    F12=Previous    F21=System Command
```

If the Description is filled in, it is from your local host file. If the field is blank, enter the server description.

Enter the SAP user profile information for the SAP server you are defining to Robot Schedule. For security reasons, there can be only one user profile and password per server.

Defining a Server to Robot Schedule

Enter the language in which you want the SAP server to display. For example, enter **EN** for English. **Note:** If you leave this field blank, the default language is used.

Enter an SAP client code **(0 - 999)** for the server.

Enter an SAP system number **(0 - 999)** for the server.

```
RBT582                          System                        14:39:34


      Enter system information:

         IP Address. . . . . . :  _____

         Router string . . . . :  _____

         Description . . . . . :  SYBIL6_____

         User profile  . . . . :  _____
           Password  . . . . . :
           Password validation

         SAP System Language . :  __    (Code)
         SAP Client Code . . . :   0    (0-999)
         SAP System Number . . :   0    (0-999)
         Last Known TEST Status:



      F3=Exit     F8=Test Connection     F12=Previous     F21=System Command
```

The server status the last time the connection was tested.

Press **F3** to cancel the addition of the server and return to the Maintain Systems panel.

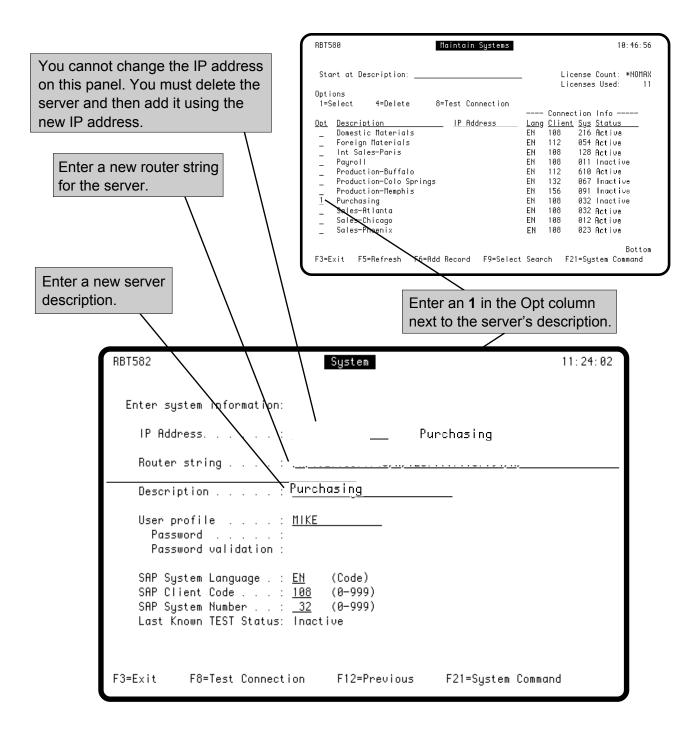Press **F12** to add the device and return to the Add System panel, on which you can add another server.

Changing Server Information

Use the Maintain Systems panel to select a server and modify its setup information. You can change a server's router string, description, SAP client code, or SAP system number.

You cannot change a server's IP address on this panel. If you want to change a server's IP address, you must delete it and then add it using the new IP address. See Deleting a Server Defined to Robot Schedule later in this User Guide, and Defining a Server to Robot Schedule, earlier in this User Guide.
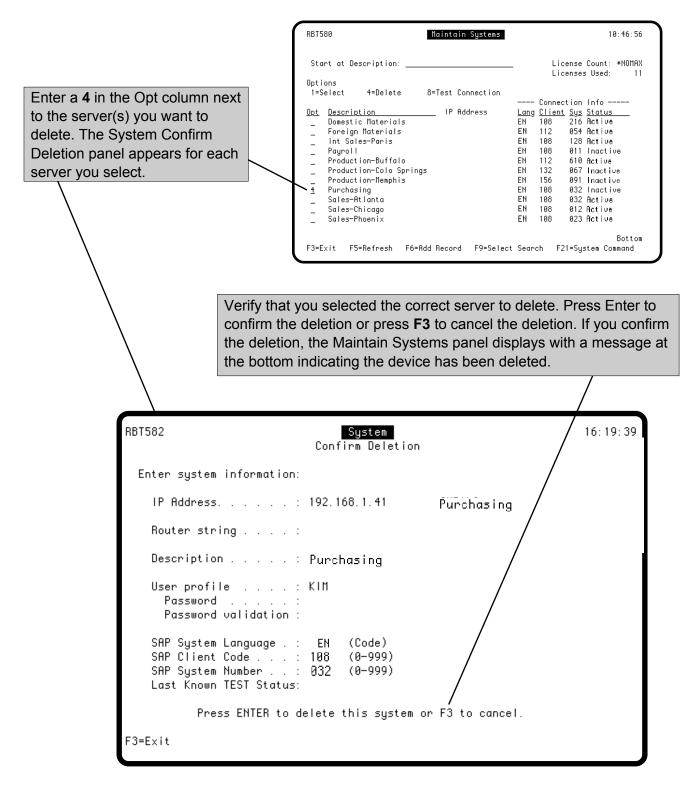
You cannot change the IP address on this panel. You must delete the server and then add it using the new IP address.

Enter a new router string for the server.

Enter a new server description.

Enter an **1** in the Opt column next to the server's description.

```
RBT580                          Maintain Systems                    10:46:56


  Start at Description: _____           License Count: *NOMAX
                                                    Licenses Used:      11
 Options
  1=Select      4=Delete      8=Test Connection
                                              ---- Connection Info -----
 Opt  Description              IP Address      Lang Client Sys Status
  _    Domestic Materials                       EN   108    216 Active
  _    Foreign Materials                        EN   112    054 Active
  _    Int Sales-Paris                          EN   108    128 Active
  _    Payroll                                  EN   108    011 Inactive
  _    Production-Buffalo                       EN   112    610 Active
  _    Production-Colo Springs                  EN   132    067 Inactive
  _    Production-Memphis                       EN   156    091 Inactive
  1    Purchasing                               EN   108    032 Inactive
  _    Sales-Atlanta                            EN   108    032 Active
  _    Sales-Chicago                            EN   108    012 Active
  _    Sales-Phoenix                            EN   108    023 Active

                                                                    Bottom
  F3=Exit    F5=Refresh    F6=Add Record    F9=Select Search    F21=System Command
```

```
RBT582                             System                          11:24:02


    Enter system information:

      IP Address. . . . . :              __    Purchasing

      Router string . . . :  _____

      Description . . . . : Purchasing_____

      User profile  . . . : MIKE_____
        Password   . . . . . :
        Password validation :

      SAP System Language . : EN    (Code)
      SAP Client Code . . . : 108   (0-999)
      SAP System Number . . :  32   (0-999)
      Last Known TEST Status: Inactive



    F3=Exit     F8=Test Connection    F12=Previous    F21=System Command
```

Changing Server Information

Enter a new user profile and password. For security reasons, there can be only one user profile and password per server.

```
RBT582                           System                        11:24:02


    Enter system information:

      IP Address. . . . . . . :  _____

      Router string . . . . .    _____

      Description . . . . .  :  Purchasing_____

      User profile  . . . . :  MIKE_____
        Password  . . . . . :
        Password validation :

      SAP System Language . :  EN     (Code)
      SAP Client Code . . . :  108    (0-999)
      SAP System Number . . :   32    (0-999)
      Last Known TEST Status:  Inactive


    F3=Exit     F8=Test Connection     F12=Previous     F21=System Command
```

Enter a new system language for the server. For example, enter **EN** for English. **Note:** If you leave this field blank, the default language is used.

Enter a new SAP client code or SAP system number.
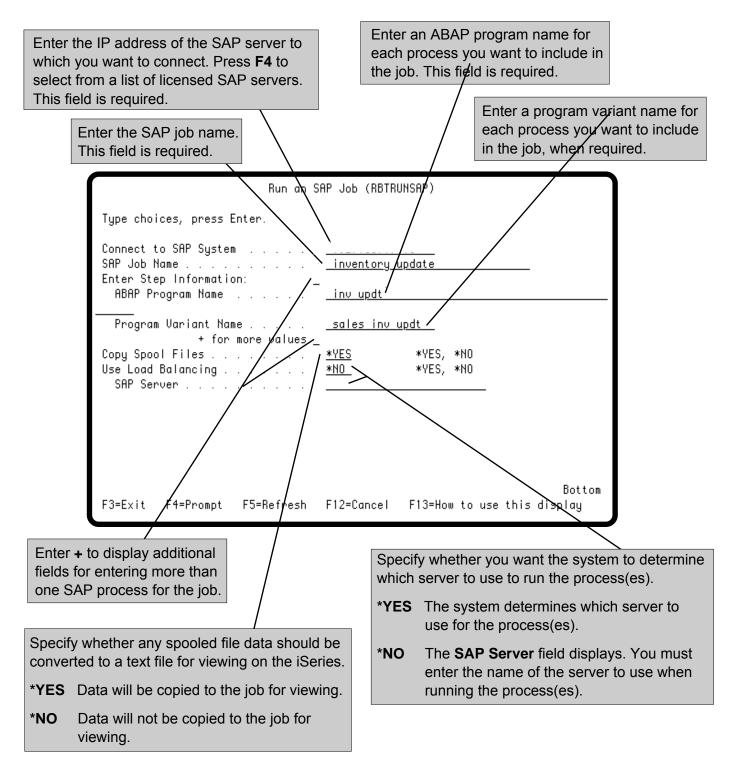
Deleting a Server Defined to Robot Schedule

There are certain instances when you should delete SAP servers defined to Robot Schedule. For ex-ample, if you no longer use a server, you should delete it. If you replace a server, you should delete the existing server's record and add a new record for the new server. Use the Maintain Systems panel to delete servers defined to Robot Schedule. You can select one or more servers to delete.

```
RBT580                         Maintain Systems                      10:46:56


    Start at Description: _____       License Count: *NOMAX
                                                      Licenses Used:     11
   Options
    1=Select     4=Delete       8=Test Connection
                                                   ---- Connection Info -----
   Opt  Description            IP Address          Lang Client Sys Status
    _    Domestic Materials                         EN   108   216 Active
    _    Foreign Materials                          EN   112   054 Active
    _    Int Sales-Paris                            EN   108   128 Active
    _    Payroll                                    EN   108   011 Inactive
    _    Production-Buffalo                         EN   112   610 Active
    _    Production-Colo Springs                    EN   132   067 Inactive
    _    Production-Memphis                         EN   156   091 Inactive
    4    Purchasing                                 EN   108   032 Inactive
    _    Sales-Atlanta                              EN   108   032 Active
    _    Sales-Chicago                              EN   108   012 Active
    _    Sales-Phoenix                              EN   108   023 Active

                                                                     Bottom
   F3=Exit   F5=Refresh   F6=Add Record   F9=Select Search   F21=System Command
```

Enter a **4** in the Opt column next to the server(s) you want to delete. The System Confirm Deletion panel appears for each server you select.

Verify that you selected the correct server to delete. Press Enter to confirm the deletion or press **F3** to cancel the deletion. If you confirm the deletion, the Maintain Systems panel displays with a message at the bottom indicating the device has been deleted.

```
RBT582                           System                           16:19:39
                             Confirm Deletion

    Enter system information:

       IP Address. . . . . . : 192.168.1.41            Purchasing

       Router string . . . . :

       Description . . . . . : Purchasing

       User profile  . . . . : KIM
         Password   . . . . . :
         Password validation :

       SAP System Language . :  EN    (Code)
       SAP Client Code . . . : 108    (0-999)
       SAP System Number . . : 032    (0-999)
       Last Known TEST Status:

             Press ENTER to delete this system or F3 to cancel.

    F3=Exit
```

The Run an SAP Job (RBTRUNSAP) Command

Use the RBTRUNSAP command to schedule SAP server processes in Robot Schedule. You can sched-ule up to 10 SAP processes in one RBTRUNSAP command. You must enter an ABAP program name for each process you want to include in the job. When required, you also must enter a program variant name for each process you want to include in the job. You can allow your system to determine the server it uses to run SAP processes, which is called *load balancing*, or you can specify the server to use for the processes.

Enter the IP address of the SAP server to which you want to connect. Press **F4** to select from a list of licensed SAP servers. This field is required.

Enter an ABAP program name for each process you want to include in the job. This field is required.

Enter the SAP job name. This field is required.

Enter a program variant name for each process you want to include in the job, when required.

```
                       Run an SAP Job (RBTRUNSAP)

 Type choices, press Enter.

 Connect to SAP System  . . . . .    _____
 SAP Job Name . . . . . . . . . .    inventory update_____
 Enter Step Information:
   ABAP Program Name  . . . . . .    inv updt_____

   Program Variant Name . . . . .    sales inv updt_____
                     + for more values_
 Copy Spool Files . . . . . . . .    *YES           *YES, *NO
 Use Load Balancing . . . . . . .    *NO            *YES, *NO
   SAP Server . . . . . . . . . .    _____



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

Enter **+** to display additional fields for entering more than one SAP process for the job.

Specify whether you want the system to determine which server to use to run the process(es).

*YES   The system determines which server to use for the process(es).

*NO   The **SAP Server** field displays. You must enter the name of the server to use when running the process(es).

Specify whether any spooled file data should be converted to a text file for viewing on the iSeries.

*YES   Data will be copied to the job for viewing.

*NO   Data will not be copied to the job for viewing.

Quick Tour: Creating a Job that Executes the RBTRUNSAP Command

This quick tour shows you how to schedule a Robot Schedule job that executes the RBTRUNSAP command. The RBTRUNSAP command can include up to 10 SAP processes. For more information on creating and scheduling commands in Robot Schedule, see the Command Entry section in the Robot Schedule User Guide.

To display the ROBOT Main Menu, enter **RBO** on a command line and select the option for Robot Schedule.

```
RBT1010                    ROBOT Main Menu                    16:07:49
MAIN
R09M001020520

                   Select one of the following:

                   1. Job Schedule List

                   2. Scheduling Objects Menu

                   3. Control Menu

                   4. System Setup Menu

                   5. Report Menu

                   6. Schedule Forecasting Menu

                   7. Audit Menu

                   Selection: 1_

F3=Exit     F21=Command Line
                        (C) COPYRIGHT HELP/SYSTEMS INC. 1982, 2002.
```

1. On the ROBOT Main Menu, select **option 1** to display the Job Schedule List.

```
RBT276                     Job Schedule List               13:43:35

 Last wake up 13:32   Next wake up 14:01          ROBOT is: ACTIVE

 Start job list at:  Job name _____
For list of options, Enter ?
   Sched. Job         Job to be run            Days or dates job runs
OPT Code   Type   Name        Description     Time  M  T  W  TH  F  ST  SN
___         C   ACCTRCVRPT  Daily Receivables Repo 22:00  C  Y  Y  Y   Y
___         C   BACKUP1     Evening Backup     19:00  C        Y
___         C   BUYERLIST   Sales Buyer Report 17:00  C  Y  Y  Y   Y
___  DAYNO  G   CLOSIT      Monthly closing proced 18:00    2
___         C   CMDSWA      Robot/SAVE Command 22:00  C  Y  Y  Y   Y
___      SD C   CRTRPGPGM   Capture compiles   18:00  Y  Y  Y  Y   Y
___         C   DLYAPRPT    Daily Accounts Payable 21:00  C  C  Y  Y   Y
___         G   DLYSALES    Daily Sales Report 23:30  C  Y  Y  Y   Y
___         P   EMPHRS      Weekly Employee Hours 06:00  C
___  REACT  C   EMP407CMD   Weekly Labor Report 22:00               Y
___         C   EMP432      Hours Report       23:00  C  Y  Y  Y   Y  Y   Y
___         W   EXCEL       Monthly Reconciliation 00:00
                                                           More...
F3=Exit             F4=Prompt          F6=Add record
F8=Completion times  F9=Job search criteria   F24=More keys
```

2. On the Job Schedule List, press **F6** to create a new job record.

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Quick Tour: Creating a Job that Executes the RBTRUNSAP Command

```
RBT201          Initial Job Setup for Job Number 000000000056          08:54:53

                              DESCRIBE YOUR JOB
Job Type: C                         (F4=Prompt)
Job Name: INVBACKUP   Desc: SAP Inventory Backup      Application: _____
Notes: _____

                              RUN INFORMATION
Run Times: 2200   ____  ____  ____  ____  ____  ____  ____

Run Days: Y=Every week, WK=Week number, L=Last week of the month
Y/WK/L Day____   Started  Ended  Run Time  Status  Last day completed
   Y    Monday                                      Last start time
   Y    Tuesday                                     Last end time
   Y    Wednesday                                   Last run time
   Y    Thursday                                    Last job status
   Y    Friday
   _    Saturday
   _    Sunday
Schedule Override Code: __        (F4=Prompt)

F3=Exit              F4=Prompt            F10=Next Option
F12=Previous         F21=Command Line     F23=More Options
Add was successful.
```

3. On the Initial Job Setup panel, enter a **C** for job type **Command**. Then, fill in the rest of the job details and the job schedule.

   To make it easier to locate SAP jobs on the Job Completion History panel, include 'SAP' in the Description field on this panel.

   Press Enter to save your job setup information. Then, press **F10** to display the ROBOT Command Entry panel.

```
RBT292                  ROBOT Command Entry                     08:58:13

Commands for jobs named: INVBACKUP

Options
 1=Select     4=Delete     7=Insert

Opt  Seq _____Command_____  Error
 _    1   RBTRUNSAP TARGET('172.16.65.16') JOBNAME(INVBACKUP) STEP((IN >   C




                                                              Bottom

F3=Exit              F4=Prompt          F7=Reserved Cmd Variables
F8=Command Finder    F10=Next Option    F12=Previous     F24=More keys
Command line 1 inserted for jobs named INVBACKUP.
```

4. On the ROBOT Command Entry panel, enter the **RBTRUNSAP** command. Press **F4** on the command to display the command prompt panel and enter the information for the SAP jobs you want the command to run. For more information, see The Run an SAP Job (RBTRUNSAP) Command, earlier in this User Guide.

Quick Tour: Creating a Job that Executes the RBTRUNSAP Command

```
RBT292                ROBOT Co
Commands for jobs named: INVBACKUP       RBT701        Options        09:02:40

Options                                  1=Select Option
 1=Select    4=Delete     7=Insert          MAIN JOB SETUP DISPLAYS
                                         _ > 1=Initial Job Setup
Opt  Seq _____Co       _ > 2=Advanced Scheduling
 _    1  RBTRUNSAP TARGET('172.16.65      _ > 3=ROBOT Command Entry
                                          _ > 4=Output Options
                                          1   5=Control Options
                                              OTHER ROBOT SETUP OPTIONS
                                          _   Group Options >
                                          _   7=Reactive Jobs
                                          _   8=Local Data Area Entry
                                          _ > 9=Report Distribution
                                          _ > 10=Exception Scheduling
                                                                More...

                                          F3=Exit   F11=More Info

F3=Exit            F4=Prompt
F8=Command Finder  F10=Next Option    F12=Previous    F24=More keys
```

5. After you finish entering the commands, you may want to check the job control options for the job. To do so, press **F23** to display the Options menu and then enter a **1** next to **option 5**.

```
RBT204                Control Options                09:05:05

Job Name . . :  INVBACKUP    SAP Inventory Backup      Command

  Job Submission Options
    Job description . . : *RBTDFT   F4  Job Queue . . . . : *RBTDFT   F4
      Library . . . . :    *RBTDFT        Library . . . . :  *RBTDFT
    Message Queue . . : *RBTDFT       Library List Name : *RBTDFT   F4
      Library . . . . :    *RBTDFT      User Profile . . : *RBTDFT
    Message reply value: 1 Default      _ Operator Required
                         _ System Reply _ Job Description
    Job Priority . . : 0              Job switches . . :
    Current Library . : *RBTDFT   F4  Accounting Code . : *RBTDFT

  Other Job Control Options
    Pager Name . . . . : *RBTDFT   F4
    Calendar Name . . :          F4  Environment Name . . : STANDARD  F4
    Maximum Run Minutes: ___          Action . . . : 2 Warning Status F4
    Auto Tune Pool Size for this job: _____
    Number of runs to track for Job History: ___

F3=Exit        F4=Prompt        F10=Next Option
```
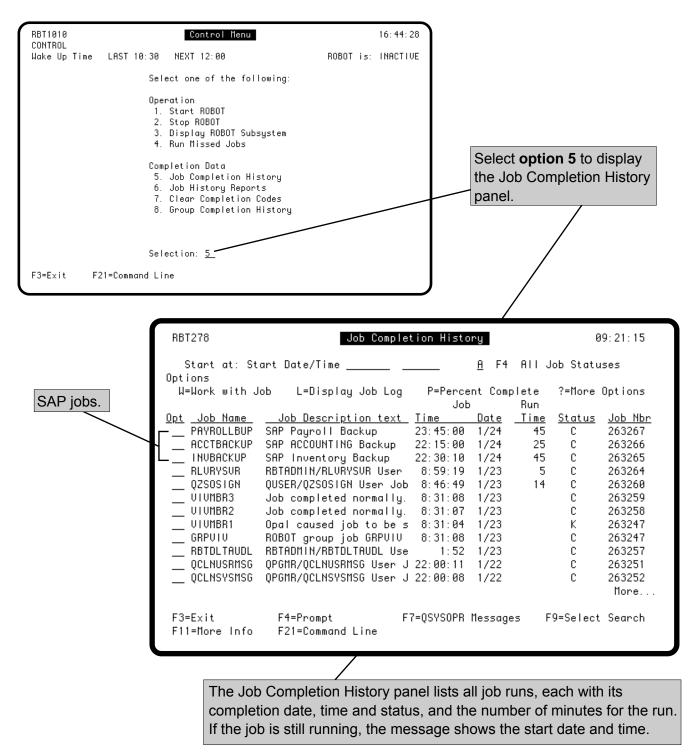
6. On the Control Options panel, review and change control options for the job, as needed. The initial control options on the panel come from the STANDARD environment that you can access and edit from the Scheduling Objects Menu. In any field, *RBTDFT means that the value for that field is obtained from the specified environment (STANDARD). For more information on the options, see the Control Options section in the Robot Schedule User Guide.

Press **F12** to return to the Job Schedule List. From the Job Schedule List, you can see the jobs you have entered and continue entering jobs.

Viewing Job Completion History
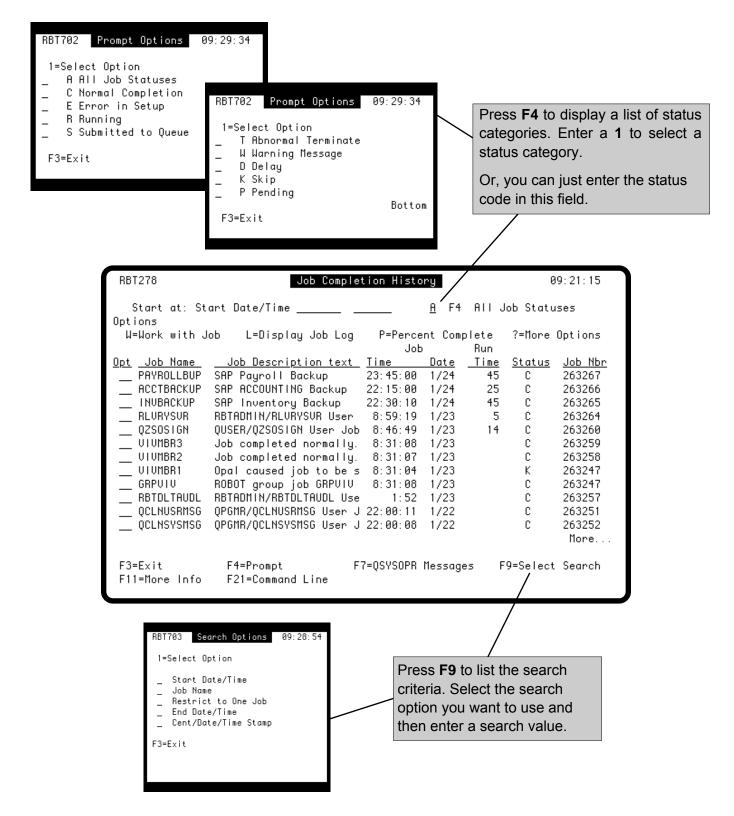
The Job Completion History panel lists all SAP and other jobs that have been submitted; the jobs might have completed or still be running. It lists all jobs submitted by Robot Schedule; it also lists all batch jobs that were submitted outside of Robot Schedule.

Use the Job Completion History panel to see and work with the completion history and logs of a job. To see the Job Completion History panel, select **option 5** on the Control Menu.

```
RBT1010                      Control Menu                    16:44:28
CONTROL
Wake Up Time   LAST 10:30   NEXT 12:00            ROBOT is: INACTIVE

                    Select one of the following:

                    Operation
                     1. Start ROBOT
                     2. Stop ROBOT
                     3. Display ROBOT Subsystem
                     4. Run Missed Jobs

                    Completion Data
                     5. Job Completion History
                     6. Job History Reports
                     7. Clear Completion Codes
                     8. Group Completion History


                    Selection: 5

F3=Exit     F21=Command Line
```

Select **option 5** to display the Job Completion History panel.

```
RBT278                  Job Completion History              09:21:15

     Start at: Start Date/Time _____ _____    A  F4  All Job Statuses
Options
   W=Work with Job     L=Display Job Log    P=Percent Complete   ?=More Options
                                            Job        Run
Opt  Job Name    Job Description text  Time     Date  Time  Status   Job Nbr
  __ PAYROLLBUP  SAP Payroll Backup    23:45:00 1/24    45    C      263267
  __ ACCTBACKUP  SAP ACCOUNTING Backup 22:15:00 1/24    25    C      263266
  __ INVBACKUP   SAP Inventory Backup  22:30:10 1/24    45    C      263265
  __ RLVRYSVR    RBTADMIN/RLVRYSVR User 8:59:19 1/23     5    C      263264
  __ QZSOSIGN    QUSER/QZSOSIGN User Job 8:46:49 1/23   14    C      263260
  __ VIVMBR3     Job completed normally. 8:31:08 1/23          C      263259
  __ VIVMBR2     Job completed normally. 8:31:07 1/23          C      263258
  __ VIVMBR1     Opal caused job to be s 8:31:04 1/23          K      263247
  __ GRPVIV      ROBOT group job GRPVIV  8:31:08 1/23          C      263247
  __ RBTDLTAUDL  RBTADMIN/RBTDLTAUDL Use    1:52 1/23          C      263257
  __ QCLNUSRMSG  QPGMR/QCLNUSRMSG User J 22:00:11 1/22         C      263251
  __ QCLNSYSMSG  QPGMR/QCLNSYSMSG User J 22:00:08 1/22         C      263252
                                                                     More...

     F3=Exit          F4=Prompt       F7=QSYSOPR Messages   F9=Select Search
     F11=More Info    F21=Command Line
```

SAP jobs.

The Job Completion History panel lists all job runs, each with its completion date, time and status, and the number of minutes for the run. If the job is still running, the message shows the start date and time.

Finding a Job in the Job Completion History

The Job Completion History panel provides two ways to help you find what you are looking for on the
display. You can limit the list of runs to a specific status category, or you can select the search option to use
and then enter a search value to find a specific job.

```
RBT702    Prompt Options    09:29:34

 1=Select Option
 _    A All Job Statuses
 _    C Normal Completion
 _    E Error in Setup
 _    R Running
 _    S Submitted to Queue

  F3=Exit
```

```
RBT702    Prompt Options    09:29:34

 1=Select Option
 _    T Abnormal Terminate
 _    W Warning Message
 _    D Delay
 _    K Skip
 _    P Pending
                                Bottom
  F3=Exit
```

> Press **F4** to display a list of status
> categories. Enter a **1** to select a
> status category.
>
> Or, you can just enter the status
> code in this field.

```
RBT278                  Job Completion History                  09:21:15

    Start at: Start Date/Time _____  _____      A  F4  All Job Statuses
Options
  W=Work with Job    L=Display Job Log    P=Percent Complete   ?=More Options
                                             Job        Run
Opt  Job Name      Job Description text  Time     Date   Time   Status   Job Nbr
 __  PAYROLLBUP   SAP Payroll Backup    23:45:00  1/24     45     C      263267
 __  ACCTBACKUP   SAP ACCOUNTING Backup 22:15:00  1/24     25     C      263266
 __  INVBACKUP    SAP Inventory Backup  22:30:10  1/24     45     C      263265
 __  RLVRYSVR     RBTADMIN/RLVRYSVR User  8:59:19 1/23      5     C      263264
 __  QZSOSIGN     QUSER/QZSOSIGN User Job 8:46:49 1/23     14     C      263260
 __  VIVMBR3      Job completed normally. 8:31:08 1/23            C      263259
 __  VIVMBR2      Job completed normally. 8:31:07 1/23            C      263258
 __  VIVMBR1      Opal caused job to be s 8:31:04 1/23            K      263247
 __  GRPVIV       ROBOT group job GRPVIV  8:31:08 1/23            C      263247
 __  RBTDLTAUDL   RBTADMIN/RBTDLTAUDL Use    1:52 1/23            C      263257
 __  QCLNUSRMSG   QPGMR/QCLNUSRMSG User J 22:00:11 1/22          C      263251
 __  QCLNSYSMSG   QPGMR/QCLNSYSMSG User J 22:00:08 1/22          C      263252
                                                                      More...

 F3=Exit          F4=Prompt        F7=QSYSOPR Messages   F9=Select Search
 F11=More Info    F21=Command Line
```

```
RBT703    Search Options    09:28:54

 1=Select Option

 _    Start Date/Time
 _    Job Name
 _    Restrict to One Job
 _    End Date/Time
 _    Cent/Date/Time Stamp

  F3=Exit
```

> Press **F9** to list the search
> criteria. Select the search
> option you want to use and
> then enter a search value.

Notes:

Notes: