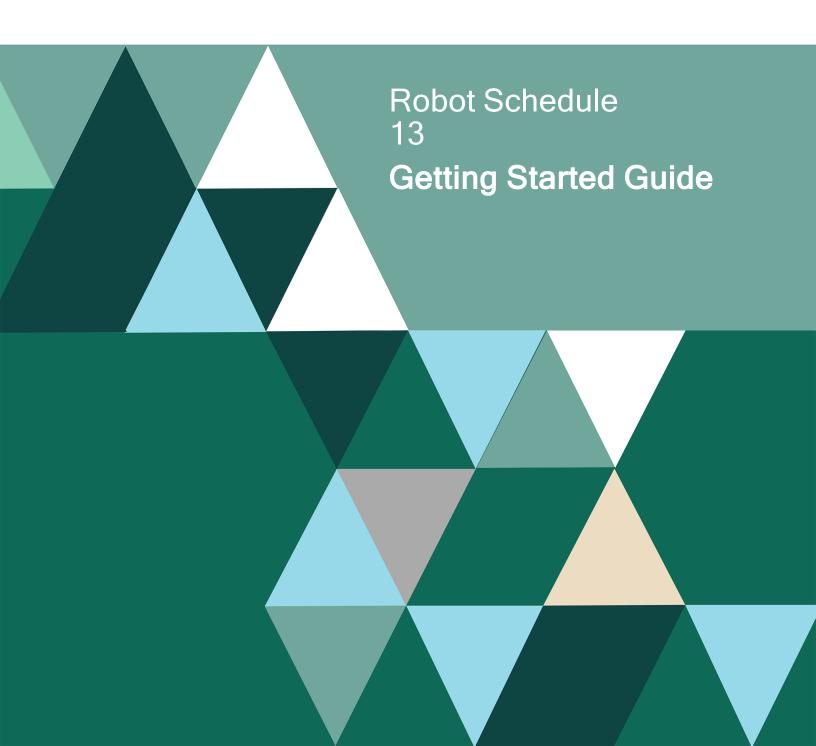
# **FORTR**



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# **Getting Started**

This section describes the minimum steps required to get Robot Schedule up and running.

## Accessing Robot Schedule

- 1. Install Robot Schedule using the Robot Schedule Installation Guide.
- On the IBM i, display the Robot Schedule Main Menu by entering the following commands:

ADDLIBLE ROBOTLIB RBM

## Setting the Environment

Robot Schedule includes a STANDARD environment that you can customize to fit the needs of your environment.

RBT212 Robot is: f	Environment Options	12:14:28
	ment Name: STANDARD STANDARD conment Options Information:	
Job Que Libra Output Libra Message Libra	ssion Options ue <u>QBATCH</u> Job Description <u>QBATCH</u> nry <u>QCPL</u> Library <u>QCPL</u> Queue . <u>QPRINT</u> Library List Name . *JOBD ury <u>QCPL</u> User Profile <u>QPGMR</u> e Queue . <u>QSYSOPR</u> Message Reply *DFT nry <u>QSYS</u> : Library . <u>ROBOTLIB</u> Accounting Code *BLANK Initial ASP group . *NONE	
Pager N Calenda	) Control Options lame <u>*NONE</u> (F4=Prompt) ar <u>STANDARD</u> (F4=Prompt) Ine pool size for job <u>0</u>	
F3=Exit	F4=Prompt F12=Previous F21=Command Line	

- 1. From the Robot Schedule main menu, select option 2, Scheduling Objects.
- 2. From the Scheduling Objects Menu, select option **4**, **Job Environment Objects**.
- 3. Enter a 2 next to the STANDARD .
- 4. On the **Environment Options** panel, review the default values and make any necessary changes.

## Setting General System Defaults

RBT222 General System Defaul	ts 12:21:18
Enter General System Default Information: Delay Robot startup in minutes Prefix to add to Job Names submitted by Robot Do you want to use Robot security system Do you want to use Robot's submit-delay Do you want Robot to capture job logs	RB Y (Y=Yes, N=No) N (Y=Yes, N=No)
Validate objects against Authorized Objects List	
F3=Exit F12=Previous F21=Command Line	)

- 1. From the Robot Schedule main menu, select option **4**, **System Setup Menu**.
- 2. From the System Setup Menu, select option 1, General System Defaults.
- 3. Review these default values and make any necessary changes.

## Starting Robot Schedule

Before you can run jobs, you must start the Robot Schedule monitors. The ROBOT monitor program checks the schedule based on time. The RBTREACT monitor program checks the conditions for running reactive jobs and for completion history.

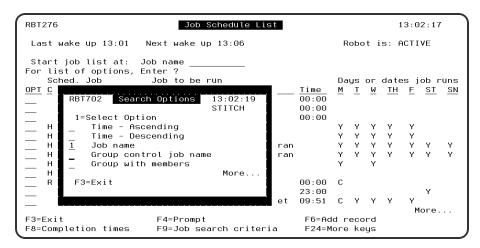
Normally, the Robot Schedule monitors should start each time the system IPLs. The following command in your IPL procedures starts the RBTSLEEPER subsystem: **STRSBS SBSD(RBTSYSLIB/RBTSLEEPER)** 

RBT1010	Control Menu	12:28:28
CONTROL Wake Up Time	Robot Schedule LAST 12:26 NEXT 12:30	ACTIVE
	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	
F3=Exit	Selection: F21=Command Line	

- 1. From the Robot Schedule main menu, select option **3**, **Control Menu**.
- 2. From the Control Menu, select option 1, Start Robot.

## Using the Job Schedule List

- 1. From the Robot Schedule Main Menu, select option 1, Job Schedule List.
- The Job Schedule List shows the job records defined to Robot Schedule. To find a specific job record, press F9 to display the Search Options panel. Select the Job Name option. You can find a job by entering its name in the Start job list at: Job name field.



3. Select the job record you want to look at by entering a code by the job in its OPT field. Press **F4** in the OPT field to display the options for that job. Select an option by entering a **1** next to the option.

RBT	701	Options	13:06:42	2
1 \	1 - Tritical	SETUP DIS	2	
_ ` _ _ ` _ `	OTHER ROB Group Opt 7=Reactiv 8=Local D 9=Report 10=Except	ed Schedul: Command En Options Options OT SETUP ( Cions > Ye Jobs Data Area E Distribut: Cion Schedu	Entry ion uling	
		=More Info		·

4. From the Job Schedule list, press **F6** to define a new Robot Schedule job.

## Initial Job Setup

RBT201 Init	ial Job Setup	for Job Number 00	0000000651	11:54:05
Job Type: Job Name: Notes:	DESCRI	BE YOUR JOB (F4=Prompt)	_ Application:	
	RUN I	NFORMATION		
Run Times:				
Run Days: Y=Every wee Y/WK/L Day Star — Monday — Tuesday — Wednesday — Thursday — Friday — Saturday _ Sunday Schedule Override Cod	<u>ted Ended Ru</u>	<u>n Time</u> <u>Status</u> L L L		d
F3=Exit	F4=Prompt	F10=	Next Option	
F12=Previous	F21=Command L	ine F23=	More Options	

Every Robot Schedule job has required fields. To set up a new job, follow the steps below:

- 1. From the Job Schedule List, press **F6** to create a new job.
- 2. Enter a job type.
  - a. C Command: Job that can execute up to 999 commands.
  - b. **G** Group Control: Job that controls a group of jobs.
  - c. **P** Program: Job that calls a program call that needs no parameters.
- 3. Enter a job name. If the job type is Program, enter the name of the program to be called by the job. Robot Schedule finds the program in the library list for the job.
- 4. Press **F23** for all options. Options 1 through 10 are for job entry. For some jobs, only the Initial Job Setup is required. For other jobs, you may need to fill in several additional panels. The examples in this manual can help you decide which panels a given job needs.

RBT201 Initial Job Setup fo DESCRIBE Job Type: C Job Name: DAILYJOB Desc: Notes: RUN INF	RBT701 Options 15:00:56 1=Select Option <u>MAIN JOB SETUP DISPLAYS</u> > 1=Initial Job Setup > 2=Advanced Scheduling > 2=babet Command Distay
RUN Times:	<pre>&gt; 3=Robot Command Entry &gt; 4=Output Options &gt; 5=Control Options Group Options &gt; 7=Reactive Jobs 8=Local Data Area Entry &gt; 9=Report Distribution &gt; 10=Exception Scheduling F3=Exit F11=More Info</pre>
F3=Exit F4=Prompt F12=Previous F21=Command Line	F23=More Options

# Quick Tour 1: Creating a Robot Schedule Job that Calls a Program

This quick tour outlines how you schedule a Robot Schedule job to call a program that needs no parameters.

- 1. Select option **1** from the Robot Schedule Main Menu.
- 2. On the Job Schedule List, press **F6** to create a new job.
- 3. On the Initial Job Setup panel, enter a **P**for job type Program.
- 4. Enter the name of the program as the job name. Then, enter the run times and select the days the job should run.
- 5. Press **F12** to save your entries and return to the Job Schedule List panel. The new job appears in the Job Schedule List, ready to run as scheduled.

RBT201 Ini	tial Job Setup for Jo	b Number 00000000653	15:16:47
Job Type: <u>P</u> Job Name: <u>SHIFTREP</u> Notes:	DESCRIBE YOU (F _ Desc: <u>Shift Report</u> _	R JOB 4=Prompt) Application:	
	RUN INFORMA	TION	
Run Times: <u>10 0</u> 90	0 18 00		
	<u>nrted Ended Run Time</u>	=Last week of the month <u>Status</u> Last day complete Last start time Last run time Last run time Last job status	ed
F3=Exit	F4=Prompt	F10=Next Option	
F12=Previous	F21=Command Line	F23=More Options	

# Quick Tour 2: Creating Robot Schedule Jobs Using the Learn Commands

This quick tour describes how to create Robot Schedule job records using the Robot Schedule learn commands.

- 1. Sign on to the IBM i with a user profile that can access all menus needed to submit the jobs you want to capture.
- 2. From a command line, enter the Robot Schedule start learn command and press **F4** to display the command prompt panel:

**ROBOTLIB/RBTSTRLRN** 

Start Rob	oot Learn Session	(RBTSTRLRN)	
Type choices, press Enter.			
Submit Job after Created Schedule Job		*NO, *YES *YES, *NO	
F3=Exit F4=Prompt F5=Refre F24=More keys	esh F12=Cancel	F13=How to use	Bottom this display

3. On the Start Robot Learn Session panel, specify whether you want to submit the job immediately after creating it or to schedule it using Robot Schedule.

- 4. Press Enter to return to the command line. Select menu options as you normally do to submit jobs. For every job you submit, Robot Schedule captures the SBMJOB command, the LDA, and the library list. It stores the information in a new Robot Schedule job record.
- 5. You also can capture jobs by entering SBMJOB commands directly. When you press Enter, Robot Schedule captures the job parameters and creates a new job record.
- 6. If the job name on the SBMJOB command is already the name of a Robot Schedule job, a window displays asking you to enter a new name for the job. Type a new name and press Enter.
- 7. If you specified \*YES in the Schedule Job field of the RBTSTRLRN command, Robot Schedule displays the Initial Job Setup panel when you submit the job.
  - Leave **C** in the Job Type field.
  - Enter the job description and any notes.
  - Enter the run times for the job and select the days of the week when the job should run.
  - The job is on hold when it is created. Enter an **R** in the Schedule Override Code field to remove the hold so the job can run.
  - Press F12 to save the job and exit.

RBT201 Ini	tial Job Setup for Job	Number 00000000480	15:47:12
Job Type: C Command Job Name: <u>RBT650</u> Notes:	DESCRIBE YOUR (F/ Desc: <u>RBT650 Report</u>	} JOB 4=Prompt) Application:	LEARN
	RUN INFORMA	ION	
Run Times: <u>15 00</u>			
Y/WK/L Day Sta Y Monday Y Tuesday Wednesday Thursday Friday Saturday Sunday		Last week of the month <u>Status</u> Last day complet Last start time Last end time Last run time Last job status	ed
F3=Exit F12=Previous	F4=Prompt F21=Command Line	F10=Next Option F23=More Options	

- 8. If you specified \*NO in the Schedule Job field, the Initial Job Setup panel does not display automatically. You can display it through Robot Schedule when you want to schedule the job.
- 9. When you are done capturing jobs, enter the Robot Schedule End Learn command: **RBTENDLRN**
- 10. The jobs you captured are now part of the Robot Schedule job schedule. Robot Schedule will run the jobs at the times you scheduled them to run.

# Quick Tour 3: Creating a Robot Schedule Job that Executes Commands

This quick tour describes how to schedule a Robot Schedule job that executes one or more commands.

- 1. Select option **1** from the Robot Schedule Main Menu.
- 2. On the Job Schedule List, press **F6** to create a new job.
- 3. On the Initial Job Setup panel, enter a **C** for job type Command.
- 4. Enter a Job name, Description, and any Notes.
- 5. Enter run times and a schedule for the job.
- 6. Press **Enter** to save the job.
- 7. Press **F10** to display the Robot Command Entry panel.
- 8. On the Robot Command Entry panel, fill in the commands you want the job to execute.
- 9. If a command is longer than the line provided on this panel, enter a **1** in the Opt column to display the Extended Command Display panel. You can enter a command up to 3,000 characters long on that panel.

RBT292M1	Robot Command Entry	16:17:27
Commands for job	: RBT482	
Options 1=Select 4=Delete	7=Insert	
<u>Opt</u> <u>Seq</u>	Command	Error
_ <u>10</u> RBTRPT482 FR	OMTIME(*FROMBEGIN) TOTIME(*TOEND)	PCTDEV(*NONE) > C
		5.11
		Bottom
F18=Edit Cmd Variables	F19=Resequence F23=More Options	F21=Command Line F24=More keys

## Quick Tour 4: Creating a Robot Schedule Job that Controls a Group of Jobs

This quick tour describes how to set up and schedule a Robot Schedule job that controls a group of jobs. The Group Control job contains the schedule and control options used for all

jobs in the group. The most efficient way to set up groups is to have all the jobs that you want to be members of the group defined to Robot Schedule before you set up the group control job.

- 1. Select option **1** from the Robot Schedule Main Menu.
- 2. On the Job Schedule List, press **F6** to create a new job.
- 3. On the Initial Job Setup panel, enter a **G** for job type Group.
- 4. Enter a Job name, Group name, Description, and any Notes.
- 5. Enter run times and a schedule for the job.
- 6. Press **F10** to display the Group Control panel

RBT206	Gro	oup Control	I		16:36:05
Job Name : GROU	Р				
Group Name . : GROU	Р				
GROUP CONTRO	L OPTIONS W	HICH APPLY	TO ALL JOB	S IN A GROUP	
Use group control o	ptions for	all jobs ir	n group <u>1</u>	(1=Select)	
Stop processing gro	up if one j	ob fails	<u>1</u>	(1=Select)	
Use group control s of all group member		ns the star	t date <u>1</u>	(1=Select)	
F3=Exit F21=Command Line	F10=Next C F23=More C	)ption )ptions	F12=Previo	us	

- 7. On the Group Control panel, select the options that you want applied to all jobs in this group by entering a **1** in front of the option.
- 8. Press Enter to save.
- 9. Press F10 to display the Group Members panel.

RBT2010	Group Members	16:40:10
Group Name: GROUP	Desc:	Appl:
Options 1=Member Maintenance	Position to: Se 4=Remove From Group ?=More	
<u>Opt Seq Job Name</u>	Schedule Description <u>Override</u>	- 3
F3=Exit F4=Promp F12=Previous F15=Othe	t F6=Add Group Member r System Member F18=Resequence	•

- 10. Add members to the group. From the Group Members panel, press **F6** to display the Robot Job Finder.
- 11. Enter a **1** next to each job you want to include.

1=Se	5 lect											
	ched.	Job	Job t	o be run		Da	ys	0 <b>r</b>	date	s i	ob r	un
PT	Code	Type	Name		Time					F	ST	S
_		č	ACCTRCURPT	Daily Receivables Re	22:00	С	Ŷ	H Y	Y	Ŷ		
_		С	BACKUP1	Evening Backup	19:00	С			Y			
1		С	BUYERLIST	Sales Buyer Report	17:00	С	Y	Y	Y	Y		
_		С	CMDSWA	Robot/SAVE Command	22:00	С	Y	Y	Y	Y		
_		С	DLYAPRPT	Daily Accounts Payab	21:00	С	С	Y	Y	Y		
_		Р	EMPHRS	Weekly Employee Hour		С						
_		Р	EMPSHIFT	Shift Report	18:00	Y	Y	Y	Y	Ŷ		
B	EACT	С	EMP407CMD	Weekly Labor Report	22:00					Ŷ		
_		С	EMP432	Hours Report	23:00	С	Y	Ŷ	Y	Y	Y	Y
_		М	EXCEL	Monthly Reconciliati	00:00							
1		С	FORECAST1			С		Y		Ŷ		Ч
<u>1</u> 1		С	FORECAST2	Sales Forecast2 Rep1	20:00	С	R	Y	Y	Ŷ		
-		С	JAA406	Sum Rcd Rpt Locn/Dep		1	2	3	4	5	Ŷ	1

#### 12. Press Enter. The jobs display on the Group Members panel.

RBT2010		Gr	∩oup Members			15:28:58
Group Name	: CLOSE	Desc: Mo	onthly Closin	g Procedure	Appl: 9	SALES
Options 1=Nember	Naintenance	4=Remove	Posit e From Group	ion to: Seq ?=Nore Op		
<u>Opt</u> <u>Seq</u> 10 20 30	Job Name FORECRST1 FORECRST2 BUYERLIST	Desci Sales Foreco Sales Forec Sales Buyer	ast2 Rep1	Schedule <u>Override</u>	System <u>Mame</u> TRAINER TRAINER TRAINER	Schedule <u>Exceptions</u>
F3=Exit F12=Prev Add was su	vious F15=	rompt Dther System	F6=Add Group Nember F1;	Nember 8=Resequence		Bottom xt Option nmand Line +/

- 13. Verify that the jobs are correct. To change the order in which they run, change their sequence numbers and press **Enter**.
- 14. After you have created the group control job, you can view the group control job with its group members listed beneath it in the Job Schedule List.
- 15. On the Job Schedule List, press **F9** to see the Search Options window.
- 16. Select **Group with Members** to show the group control job with the group member jobs listed beneath it.

RBT2	76			Job Schedu	le List				13	3: 32: 4	7
Las	t wake up 13:30 Next wake up 13:46						ROBOT is: ACTIVE				
Sta	rt job	list	at: Group	name							
			ions, Enter								
	Sched.	Job	Job	to be run			Days (	0 <b>r</b>	dates	5 job ⊨	run:
				<u>Description</u>				Щ	<u>t h</u>	<u>F ST</u>	<u>SI</u>
	DAYNO			Monthly clo		18:00	2				
		P+	OWN410T	Sales Journ	CLOMON	10					
		C+	RECBAL	Receivables	CLOMON	20					
		P+	SOF411T	Cash Receip	CLOMON	30					
		C+	RECDET	Receivables	CLOMON	40					
		P+	SOF601T	Zero Out Mo	CLOMON	50					
		C+	SALESARC1	Sales Archi I	CLOMON	60					
		C+	BUYERLIST	Sales Buyer I	CLOMON	70					
		C+	ACCTRCURPT	Daily Receil	CLOMON	90					
		C+	COMMLINE	Check commu	CLOMON	100					
		C+	S0F420	Sales Journ I	CLOMON	110					
		G	CLOSEIT	Monthly Clo	CLOSE	00:00					
_				0						Nore	
3=E 8=C		ion ti		Prompt Job search c	riteria		d reco ore key				

## When Should the Job Run?

- Once a Week
- Every Nonworkday
- On the Last Workday of the Month
- Every 15 Minutes for 4 Hours Each Day
- Whenever Job x Fails
- Every Day That Job y Completes Normally
- If Event x or y Happens on a Nonworking Day

## Once a Week

## Scenario

The files on your system need to be reorganized every week, but the reorganization must be done while no users are on the system. So you decide to run the program every Saturday at 6 p.m. The program does not require parameter values so it can be run using job type Program.

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Type **P** in the job type field to create a Program-type job.
  - Type the program name **PGM232** in the Job Name field.
  - Type the description of the program **Reorganize files** and notes, if any.
  - Type the run time for the job **1800** (6 p.m. on a 24-hour clock).
  - Type **Y** before Saturday to run the job every Saturday.
  - Press F12 to save the panel entries and return to the Job Schedule List.

Run? /

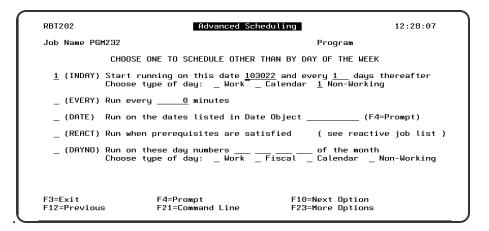
	DESCRIBE YOUR J		
Job Type: <u>P</u>		rompt)	
Job Name: PGM232	Desc: <u>Reorganize Files</u>	Application:	
Notes:			
	RUN INFORMATIO	N	
Run Times: 18 00			
	eek, WK=Week number, L=La		
		<u>itatus</u> Last day completed	
<u>Y/WK/L Day St</u> _ Monday		<u>itatus</u> Last day completed Last start time	
<u>Y/WK/L</u> Day <u>St</u> _ Monday _ Tuesday		<u>itatus</u> Last day completed Last start time Last end time	
<u>Y/WK/L Day St</u> _ Monday _ Tuesday _ Wednesday		<u>itatus</u> Last day completed Last start time Last end time Last run time	
<u>Y/WK/L Day St</u> _ Monday _ Tuesday _ Wednesday _ Thursday		<u>itatus</u> Last day completed Last start time Last end time	
<u>Y/WK/L Day St</u> _ Monday _ Tuesday _ Wednesday _ Thursday		<u>itatus</u> Last day completed Last start time Last end time Last run time	
Y/WK/L Day St _ Monday _ Tuesday _ Wednesday _ Thursday _ Friday Y Saturday		<u>itatus</u> Last day completed Last start time Last end time Last run time	
Y/WK/L Day St _ Monday _ Tuesday _ Wednesday _ Thursday _ Friday Y Saturday _ Sunday	<u>arted Ended Run Time S</u>	<u>itatus</u> Last day completed Last start time Last end time Last run time Last job status	
Y/UK/L Day St - Monday - Tuesday - Wednesday - Thursday - Friday Y Saturday - Sunday		<u>itatus</u> Last day completed Last start time Last end time Last run time Last job status	
Y/UK/L Day St - Monday - Tuesday - Wednesday - Thursday - Friday Y Saturday Sunday Schedule Override C	<u>arted Ended Run Time S</u>	<u>itatus</u> Last day completed Last start time Last end time Last run time Last job status	

## Every Non-workday

#### Scenario

Your sales staff has a dial-up line to your system for use on non-working days. For security reasons, you run a job to vary off the line every non-workday at 5 p.m.

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes.
  - Type the run time for the job **1700** (5 p.m. on a 24-hour clock).
  - Press Enter to save.
- 3. Press F23 and select option 2 to display the Advanced Scheduling panel.
- 4. On the Advanced Scheduling panel:
  - Type **1** before the INDAY option.
  - Type the start date 103022.
  - Type **1** as the day interval.
  - Type 1 before Non-Working.
  - Press Enter to save.



- 5. Press **F23** and select option **10** to display the Exception Scheduling panel.
- 6. On the Exception Scheduling panel:
  - Verify that the Allow to Run on Non-Working day option is Y.
  - Press F12 to save and return to the Job Schedule List.

RBT205	Exception Schedu	ling	13:58:55
Job Name PGM232		Program	
MISCELLANEOUS	SCHEDULING EXCEPTIONS		
Run on non-worki	ng day <u>Y</u> (Y=Yes, N=No, F	Run after, B=Run befo	re)
Start executing	job only between times _	and	
Make this a Subm	it-Delay model job _ (F4:	Prompt for Compare Op	tions)
EXCEPTION SCH	EDULING OBJECTS		
Don't run on dat	es listed in Date Object	(F4=Pro	ompt)
Execute schedule	instructions in OPAL Ob	ject (F4=Pro	ompt)
F3=Exit F12=Previous	F4=Prompt F21=Command Line	F10=Next Option F23=More Options	

## Last Working Day of the Month

#### Scenario

You run the monthly labor report job at 7 p.m. on the last workday of each calendar month.

- 1. Press F6 on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:

- Enter the job type, job name, description, and notes
- Type the run time for the job **1900** (7 p.m. on a 24-hour clock).
- Press Enter to save.
- 3. Press **F23** and select option **2** to display the Advanced Scheduling panel.
- 4. On the Advanced Scheduling panel:
  - Type **1** before the DAYNO option.
  - For the last day of the month, type **-1** as the day number.
  - To use calendar month-ends, type 1 before Calendar.
  - Press Enter to save.

RBT2	:02	Advanced Scheo	duling 17:	00:39
Job	Name LBR	407CMD Monthly labor repo	ort Command	
		CHOOSE ONE TO SCHEDULE OTHER TH	HAN BY DAY OF THE WEEK	
-		Start running on this date Choose type of day:WorkC		fter
-	(EVERY)	Run every minutes		
-	(DATE)	Run on the dates listed in Date	Object (F4=Promp	t)
-	(REACT)	Run when prerequisites are satis	sfied <b>(see reactive job</b>	list
1		Run on these day numbers <u>—1</u> Choose type of day: Work F		rking
F3=E E12=	xit Previous	F4=Prompt F21=Command Line	F10=Next Option F23=Nore Options	

- 5. Press **F23** and select option **10** to display the Exception Scheduling panel.
- 6. On the Exception Scheduling panel:
  - Type **B** for the Allow to Run on Non-Working day option. If the last day of the month is a non-workday, the job will run on the workday before the non-workday.
  - Press Enter and then F3 to save and return to the Job Schedule List.

ABT205	Exception Schedul	ing 17:02:42
Job Name LBR407CMD	Monthly labor rep	ort Command
NISCELLANEOUS	SCHEDULING EXCEPTIONS	
Run on non-worki	ng day <u>B</u> <b>(Y=Yes, N=No, F=</b>	Run after, B=Run before)
Start executing	job only between times	and
Make this a Subm	it-Delay model job _ <b>(F4=</b>	Prompt for Compare Options)
EXCEPTION SCH	EDULING OBJECTS	
Don't run on dat	es listed in Date Object	(F4=Prompt)
Execute schedule	instructions in OPAL Obj	ect (F4=Prompt)
F2_F_1	F4-R4	
F3=Exit E12=Previous	F4=Prompt F21=Command Line	F10=Next Option F23=Nore Options

## Every 15 Minutes

#### Scenario

You want to ensure that the lines stay up every night while transmissions are received from the branch offices. So you run a job to check the lines every 15 minutes from 8 p.m. to midnight.

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes
  - Do not enter run times for the job.
  - Press Enter to save.
- 3. Press F23 and select option 2 to display the Advanced Scheduling panel.
- 4. On the Advanced Scheduling panel:
  - Type **1** before the EVERY option.
  - Enter the minute interval as **15**.
  - Press Enter to save.

ABT2	02	Advanced Scheduli	ing 17:05:18
Job	Name CKL	INES Check comm lines	Command
		CHOOSE ONE TO SCHEDULE OTHER THAN	BY DAY OF THE NEEK
-	(INDAY)	Start running on this date o Choose type of day: _ Work _ Cale	
1	(EVERY)	Run every <u>15</u> minutes	
-	(DATE)	Run on the dates listed in Date Obj	ject (F4=Prompt)
-	(REACT)	Run when prerequisites are satisfie	ed (see reactive job list)
-	(DAYNO)	Run on these day numbers Choose type of day: _ Work _ Fisc	of the month cal Calendar Non-Working
F3=E E12=	xit Previous	F4=Prompt 5 F21=Command Line	F10=Next Option F23=Nore Options

- 5. Press F23 and select option 10 to display the Exception Scheduling panel.
- 6. On the Exception Scheduling panel:
  - Type **Y** for the Allow to Run on Non-Working day option.
  - For the Start Executing job time range, enter **2000** and **2359** (8 p.m. to 11:59 p.m.).
  - Press Enter and then F3 to save and return to the Job Schedule List.

ABT205	Exception Schedulin	ng 17:06:25
Job Name CKLINES	Check comm lines	Command
HISCELLANEOUS	SCHEDULING EXCEPTIONS	
Run on non-worki	ng day <u>Y</u> (Y=Yes, N=No, F=Ru	un after, B=Run before)
Start executing	job only between times <u>2000</u>	<u>3</u> and <u>2359</u>
Make this a Subm	nit-Delay model job _ <b>(F4=Pr</b>	rompt for Compare Options)
EXCEPTION SCH	IEDULING OBJECTS	
Don't run on dat	es listed in Date Object _	(F4=Prompt)
Execute schedule	e instructions in OPAL Objec	et (F4=Prompt)
F3=Exit E12=Previous	F4=Prompt F21=Command Line	F10=Next Option F23=Nore Options

## When Job *x* Fails

Scenario

You have written an error recovery routine to provide the current status if job EMP407CMD fails. You schedule the error recovery routine as a reactive job that runs only if EMP407CMD fails.

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes
  - Do not enter a run time. The job will run immediately when its condition is met.
  - Press Enter to save.
- 3. Press **F23** and select option **2** to display the Advanced Scheduling panel.
- 4. On the Advanced Scheduling panel:
  - Type 1 before the REACT option.
  - Press Enter to save.
- 5. Press **F23** and select option **7** to display the Reactive Jobs panel.
- 6. On the Reactive Jobs panel:
- Press **F6** to insert a Robot job using the Robot Job Finder.
- Find job **EMP407CMD** in the list. Type **1** in the Opt field by the job and press **Enter**.
- Type a **T** over the C in the React To Sts column.
- Press Enter and then F3 to save and return to the Job Schedule List.

	<b>Job Mame</b> MP407CMD			<b>ption</b> Report	 <u>Seq</u> _10	 	Special <u>Instance</u>	<u>Sts</u>
								Botton
 Exit =Nore		F4=Prom F12=Pre	•	Insert Insert			ct Option ve keys	

## Every Day That Job *y* Completes Normally

## Scenario

The sales manager usually submits job SALUPD sometime during the day. If the job completes successfully that day, a report job should run at 6 p.m.

**NOTE**: If the Robot Schedule SBMJOB command is not installed on your system, you must add a SNDRBTDTA command to the SALUPD job (see the next example).

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes
  - Type the run time for the job **1800** (6 p.m. on a 24-hour clock).
  - Type **Y** before every day of the week.
  - Press Enter to save.
- 3. Press **F23** and select option **2** to display the Advanced Scheduling panel.
- 4. On the Advanced Scheduling panel:
  - Type **1** before the REACT option.
  - Press Enter to save.
- 5. Press **F23** and select option **10** to display the Exception Scheduling panel.
- 6. On the Exception Scheduling panel, type **Y** for the Allow to Run on Non-Working day option.
- 7. Press **F23** and select option **7** to display the Reactive Jobs panel.
- 8. On the Reactive Jobs panel:
  - Press F14 to insert a User job.
  - Type the job name (SALUPD) and description.
  - Check that the React On Status value is C.
  - Press Enter and then F3 to save and return to the Job Schedule List.

RBT297	Reactive Jobs	14:58:21
Job Name: SDF42 Options 1=Insert Status	RBT299 User Job 14:58:25 Reactive Job: SDF42	Command ptions
And <u>Opt</u> <u>/Or Name</u>	Enter User Job Information: Job Name <u>SALUPD</u> Description <u>Sales update report</u> React On Status <u>C</u> System (F4=Prompt) Press ENTER to update F3=Exit	Special <u>Instance</u> <u>Sts</u>
F3=Exit F11=More Info		ext Option ore keys

## Run If Events Happen on a Non-working Day

#### Scenario

Your field representatives can dial in to the DALLAS or AUSTIN system and enter support requests. On weekends and holidays, a request must trigger a job on the host system that notifies you of the request. To trigger the job on the host system, the request on the DALLAS or AUSTIN system executes a SNDRBTDTA command to notify Robot Schedule of the request.

- 1. Press F6 on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes
  - Do not enter a run time. The job will run immediately when its condition is met.
  - Press Enter to save.
- 3. Press F23 and select option 2 to display the Advanced Scheduling panel.
- 4. On the Advanced Scheduling panel:
  - Type 1 before the REACT option.
  - Press Enter to save.
- 5. Press F23 and select option 10 to display the Exception Scheduling panel.
- 6. On the Exception Scheduling panel, type **Y** for the Allow to Run on Non-Working day option.
- 7. Press F23 and select option 7 to display the Reactive Jobs panel.
- 8. On the Reactive Jobs panel:

- Press F14 to insert a User job.
- Type the job name (SUPPORTREQ) and description.
- Check that the React On Status value is **C**.
- Press F4 in the System field and select the DALLAS system.
- Press **Enter** to update the prerequisite list.
- Repeat the user job entry for job **SUPPORTREQ** from the AUSTIN system.
- In the And/Or field before the second job, type **OR** over the word AND.
- Press Enter and then F3 to save and return to the Job Schedule List.

RBT297	Rec	active Jobs			13:5	9:57
Job Name: REQNOT	IFY Descriptio	on: Non-work	king day	notify	Comm	and
Options 1=Insert Status	2=Prerequisit	te Cross-Rei	ference	React		
And				То	Special	
<u>Opt /Or _Job Name</u> SUPPORTRE(		<u>escription</u> Request	1		<u>Instance</u>	<u>Sts</u>
	System: f		Status D		and Time:	
_ <u>OR</u> _SUPPORTRE(		DALLAS	 Status D	<u>0 C</u>  ate:	and Time:	
						Bottom
F3=Exit	F4=Prompt	F6=Insert			kt Option	
F11=More Info	F12=Previous	F14=Insert	. User Jo	D F24=Nor	re keys	

Add Command to Trigger the Reactive Job–SNDRBTDTA Command

To trigger the reactive job on the host system, add the following command to the request job executed on the DALLAS system. SNDRBTDTA PRQJOB(SUPPORTREQ) STATUS(C) SYSTEM(DALLAS)

Add the following command to the request job executed on the AUSTIN system. **SNDRBTDTA PRQJOB(SUPPORTREQ) STATUS(C) SYSTEM(AUSTIN)** 

s	end Robot Rea	active Data (S	NDRBTDTA)
Type choices, press En	ter.		
Prerequisite user job OR Prereq Robot job Completion status code System Name	number >	<u>c</u>	Character value Character value B, C, D, K, P, R, S, T Character value
			Botte
F3=Exit F4=Prompt   F24=More keys	F5=Refresh	F12=Cancel	F13=How to use this display

# What Should the Job Do?

- Add a Library to a Library List to Run a Program
- Run S/36 Procedures
- Execute a Long Command that Uses Robot Schedule
- Command Variables
- Run a Sequence of Jobs

## Add Library to Library List to Run Program

## Scenario

Run the program **RBCLR**, which needs no parameters, every Monday at 12:30 a.m. The program is in library **MYLIB**, which needs to be added to a Robot Schedule library list.

Steps to Create the Library List

- 1. From the Robot Schedule Main Menu, select option **2** Scheduling Objects Menu.
- 2. From the Scheduling Objects Menu, select option **3** Library List Objects.
- 3. On the Library List Objects panel:
  - a. Press **F6** to create a new library list.
  - b. On the library list panel, type **MYLIBLIST** for the Library List Name.
  - c. Give the list a description.
  - d. Press **Enter** to save.
- 4. On the Library List Objects panel. Enter a **2** in the Opt field before MYLIBLIST and press **Enter**.
- 5. On the Maintain Library List panel:
  - a. Press F7 to copy the current library list for your job.
  - b. On a blank line, type 5 in the Seq column and MYLIB in the Library column.
  - c. Press Enter.

ABT287	M	aintain Library List	11:56:55
List Name MYL Text	.IBLIST Desc	<b>ription</b> My library list	
Options			
4=Delete	?=Prompt for a	uthorized libraries	
<u>Opt</u>	Seq	<u>Library</u>	
	10	ROBOTLIB	
_	20	QGPL	
_	20 30 40 05	<u>OTEMP</u>	
-	40	RBTNETNODE	
-	<u>95</u>	MYLIB	
-		<u>interb</u>	
-			
-			
-			
-			
-			
-			Nore
F3=Exit F4=F	rompt F7=Re	trieve Current Library List	F12=Previous
F21=Command Lir			
Update was succ			J

## Steps to Schedule the Job

- 1. From the Job Schedule List, press **F6** to create a new job.
- 2. On the Initial Job Setup panel:
  - Type **P** in the job type field to create a Program-type job.
  - Type the program name **RBCLR** in the Job Name field.
  - Type the run time for the job **0030** (12:30 a.m. on a 24-hour clock).
  - Type **Y** before Monday to run the job every Monday.
  - Press Enter to Save
- 3. Press **F23** and select option **5** to display the Control Options panel.
- 4. On the Control Options panel, find the Library List Name field and type **MYLIBLIST**.

ABT204	Control Opt	tions	13:59:4
Job Name : RBCLR	Program to	clear	Program
Job Submission Options Job description . : <u>*R</u> Library : Message Queue : <u>*R</u> Library : Message reply value: _ Job Priority : <u>Ø</u> Current Library . : <u>*R</u>	<u>*RBTDFT</u> <u>BTDFT</u> Pefault System Reply	Library Library List Nam User Profile . _ Operator Requi 1 Job Descriptio Job switches .	.: <u>*RBTDFT</u> e: <u>MYLIBLIST</u> F4 .: <u>*RBTDFT</u> red n .: <u>*RBTDFT</u>
Other Job Control Options			<u> </u>
Pager Name : <u>*R</u> Calendar Name : Maximum Run Minutes: Auto Tune Pool Size for Number of runs to track	F4 	Action :	: : <u>STANDARD  </u> F4 <u>2</u> Warning Status F4
F3=Exit F4=Prompt F12=Previous F21=Comman			

5. Press F12 to save and return to the Job Schedule List.

## Run System 36 Procedures

#### Scenario

Run two System 36 procedures at 4 p.m. on the first Monday of the month. Procedure CATALOG requires no parameters; procedure JB365 in library PRODLIB requires parameters.

#### Steps

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Type **C** in the job type field to create a Command-type job.
  - Type the job name JB365, description, and notes.
  - Type the run time for the job **1600** (4 p.m. on a 24-hour clock).
  - Type **1** before Monday to run the job on the first Monday of the month.
  - Press Enter to save.
- 3. Press F23 and select option 3 to display the Command Entry panel.
- 4. On the Command Entry panel:

- a. On the command line by sequence number 1, type STRS36PRC and press F4.
- b. On the prompt screen, type CATALOG in the Procedure field and press Enter.
- c. To add more lines on the Robot Command Entry panel, type **7** in the Opt field and press **Enter**.
- d. On a blank command line, type **STRS36PRC** and press **F4**.
- e. On the prompt screen, type **JB365** in the Procedure field, **PRODLIB** in the Library field, and its parameter value '**1**,**2**,**3**' in the Parameters field.
- f. Press Enter and then F3 to save and return to the Job Schedule List.

RBT292M1	Robot Command Entry	15:10:38
Commands f	or job : JB365	
Options 1=Select	4=Delete 7=Insert	
	Command STRS36PRC PRC(CATALOG) STRS36PRC PRC(JB365) CURLIB(PRODLIB) PARM('1,2,3')	<u>Error</u> C C C C C C C Bottom
F3=Exit F8=Command	F4=Prompt F7=Reserved Cmd Variables Finder F10=Next Option F12=Previous F24=More	keys

## Execute Long Command with Variables

## Scenario

Execute a sequence of commands when an operator enters the DO option for the job. One of the commands is longer than 60 characters. It contains Robot Schedule command variables (@1, @2 and @3) for which values are substituted when the command is executed. Default values are provided for the variables. Other values can be passed in if needed.

## Steps

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Type **C** in the job type field to create a Command-type job.
  - Type the job name **EXTEDEDCMD**, description, and notes.
  - Do not enter run times or a run schedule. The job is to run only when an

operator enters the DO option for the job.

- Press Enter to save.
- 3. Press F23 and select option 3 to display the Command Entry panel.
- 4. On the Command Entry panel:
  - a. Start typing the command SNDBRKMSG MSG('PLEASE EXIT APPLICATIONS @1, @2, AND @3 IMMEDIATELY. + THANK YOU') TOMSGQ(\*ALLWS)
  - b. When you run out of space on the first line, press Enter.
  - c. Enter a **1** in the Opt field by sequence 1 and press **Enter**.
- 5. On the Extended Command Display panel:
  - a. Continue typing the command SNDBRKMSG MSG('PLEASE EXIT APPLICATIONS @1, @2, AND @3 IMMEDIATELY. + THANK YOU') TOMSGQ (\*ALLWS)
  - b. Press **F12** to save and return to the Command Entry panel.

RBT291	Extended Command Display 16:33:5	57
Job name: EXTED Command Error P	EDCMD Sequence number: rocessing : <u>2</u> (1=Ignore, 2=Cancel)	1
	Command	-
<u>SNDBRKMSG_MSG('F</u> Tomsgo(*Allws)	LEASE EXIT APPLICATIONS @1, @2, AND @3 IMMEDIATELY. THANK YO	<u>)U')</u>
2All 3Com	iable substitution symbol is @n ie. @1, @2 commands used must have an OS batch and interactive entry o tinuation symbols are not allowed or necessary nested ROBOT commands must start with ¢ sign ie. OVR2 = ¢0	ode
F3=Exit F8=Command Find	F4=Prompt F7=Reserved Cmd Variables er F12=Previous F21=Command Line	

- 6. On the Command Entry panel, press F18 to display the Command Variables panel.
- 7. On the Command Variables panel:
  - a. Type PAYROLL;ACCTREC;SALES.
  - b. Press Enter to save.
  - c. Press F11 to test the variable substitution.
  - d. Check that the values have been substituted correctly into the command.
  - e. Press F3 to return.

RBT298	Comm	nand Variables	16:40:18
Job	1umber 000000000122	To separate variab	les, enter a ;
01		2+3+.	4 + 5
		SALES	
	300 *		
	350 *		
	100 *		
	<del>1</del> 50 *		
	500 * *51	12	
F3=Exit	F11=Test Substitution	n F12=Previous	F15=Delete Variables
21=Comman	Line		

## Run a Sequence of Jobs

## Scenario

Your night processing of accounts receivables has a batch update process that must run before the reports. You run this sequence of jobs beginning at 11:30 a.m. every Thursday. Each successive job is submitted only when the preceding job completes normally. This procedure assumes that the jobs in the group have been scheduled on Robot Schedule, but are now to be run as a dependent sequence.

Steps to Create the Group Control Record

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Type **G** in the job type field to create a Group-type job.
  - Type the job name **GRPCTL**, description, and notes.
  - Type the run time for the job **1130**.
  - Type **Y** before Thursday.
  - Press Enter to display the Grp. Name field.
  - Type the group name ARGRP.
  - Press Enter to save
- 3. Press F23 and select Group Options then Group Control Job
- 4. On the Group Control Job panel:

a. Type **1** after each group control option.

RBT206	Group Control		13:44:28
Job Name : GRPC	TL Acct rec. group contr	rol	
Group Name . : ARGRI	Р		
GROUP CONTRO	L OPTIONS WHICH APPLY TO ALL .	JOBS IN A GROUP	
Use group control o	ptions for all jobs in group	<u>1</u> (1=Select)	
Stop processing gro	up if one job fails	<u>1</u> (1=Select)	
Use group control s of all group member	tart date as the start date jobs	<u>1</u> (1=Select)	
F3=Exit E21=Command Line	F10=Next Option F12=Prev F23=Nore Options	vious	

b. Press F12 to save and return to the Job Schedule List.

Steps to Add Jobs to the Group

- 1. On the Job Schedule List, enter option **18** in front of the group control job you just created.
- 1. On the Group Members panel:
  - Press F6 to add local jobs.
  - Press F15 to add jobs from a remote system.
  - To reorder the jobs within the group, type the sequence number for the job (10, 20, and so forth).
  - Press F12 to save and return to the Job Schedule List.

Options 1=Nember	Naintenance	4=Remove	Posit From Group	ion to: Seq ?=Nore Oj		
<u>Opt Seq</u> <u>10</u> <u>20</u> <u>30</u>	Job Name Calcmd Recbal Recdet	Descr Command Calc Receivables Receivables	Balance	Schedule <u>Override</u>	System <u>Mame</u> TRAINER TRAINER TRAINER	Schedule <u>Exception</u>
F3=Exit F12=Prev		°ompt )ther System		Nember 8=Resequence		Bottom t Option mand Line

# How are Parameter Values Changed?

- Pass in Values for Robot Schedule Command Variables
- Capture Local Data Area
- Calculate Parameter Values Before Executing Command

## Pass in Command Variable Values

## Scenario

To run the plant purchasing report, a job executes a command whose parameter values are substituted by Robot Schedule command variables. To provide parameter values for the next time this job runs, you select a menu option that runs an interactive program. The program executes the RBTBCHUPD command to store the parameter values in the Robot Schedule job record.

## Steps

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Find the job number in the panel title. Write it down so you can use it later in the RBTBCHUPD command.
  - Type **C** in the job type field to create a Command-type job.
  - Type the job name, description, and notes.
  - Type the run times and run schedule for the job.
  - Press Enter to save.
- 3. Press **F23** and select option **3** to display the Command Entry panel.
- 4. On the Command Entry panel:
  - Type the command to be executed on the line by sequence number 1: CALL PCH405 PARM('@1' X'@2F' X'0@3F')
    - The first parameter, @1, is a character parameter.
    - The second and third parameters, @2 and @3, are numeric and must have a preceding X and a following F.

- The third parameter, @3, is an even size (6,0) and must have a preceding 0 (zero).
- Press F12 to save and return to the Job Schedule List.

RBT2 Comm		or jobs named	ROBOT Comm I: PCH405	and Entry	4:02:02 RAINER
Opti		4=Delete	7=Insert		
<u>Opt</u>	<u>Seq</u> _ 1 <u>9</u> 2 - 3 - 4 - 5 -	all <u>p</u> ch405 p	Comm barm('@1'X'@2F'X'		<u>Error</u> _ C _ C _ C _ C _ C
F3=E F8=0			4=Prompt 10=Next Option	F7=Reserved Cmd F12=Previous	Bottom

## Capture Local Data Area

#### Scenario

A report job reads dates from the local data area (LDA). To pass new dates for the next job run, change the current LDA and execute an RBTBCHUPD command to capture the LDA and store it in the Robot Schedule job record.

#### Steps

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Find the job number in the panel title. Write it down so you can use it later in the RBTBCHUPD command.
  - Enter the job type, job name, description, and notes.
  - Type the run times and run schedule for the job.
  - Press Enter to save.
- 3. Press **F23** and select option **8** to display the Local Data Area Entry panel.

ABT288 Local Data Area Entry	14:06:43
Job Name . : EMP407CMD Command Description : <u>Report dates</u>	
Enter data to be put in the *LDA at execution time of the Job	
OFFSET*+1+2+3+4+5 0 * <u>010800 021600 031700 042400</u>	
50 * 100 *	
150 * 200 *	
250 *	
350 * 480 *	
450 * 500 *	Nore
F3=Exit F7=Dup LDA F8=LDA Finder F10=Next Option F1 €21=Command Line F23=Nore Options	2=Previous

- 4. On the Local Data Area Entry panel:
  - Type the dates for the initial job run: 010800 021600 031700 042400
  - Press F12 to save and return to the Job Schedule List.
- 5. Use the CHGDTAARA command to change to change the data in the LDA: CHGDTAARA DTAARA(\*LDA) VALUE('051100 061600 070700 082500')
- 6. Capture the LDA (two methods):
  - **Method 1:** Use the RBTBCHUPD command to store the LDA in the Robot Schedule job record:

#### **RBTBCHUPD JOBNUMBER(444) USE\_LDA(Y)**

The data passed in by the command appears on the Local Data Area Entry panel.

• Method 2: From the Local Data Area Entry panel. Press F7 to capture the LDA.

ABT288 Local Data Area Entry	14:06:43
Job Name . : EMP407CMD Command Description : <u>Report dates</u>	
Enter data to be put in the *LDA at execution time of the Job	
OFFSET*+1+2+3+4+5 0 * 051100 061600 070700 082500	
50 ×	
100 * 150 *	
200 * 250 *	
300 *	
350 * 400 *	
450 *	
500 *	Nore
F3=Exit F7=Dup LDA F8=LDA Finder F10=Next Option F1 {21=Command Line F23=Nore Options	2=Previous

## **Calculate Parameter Values**

#### Scenario

The invoice report job requires the current date, time, and invoice number as parameter values. The job executes a command that uses Robot Schedule reserved command variables to substitute those values. The current value of each variable is calculated just before the command is executed. To get the invoice number, the job uses a new reserved command variable that you define.

Steps to Define a New Reserved Command Variable

- 1. From the Robot Schedule Main Menu, enter option **2** for Scheduling Objects Menu.
- 2. Enter option **5** to display the Reserved Command Variable Objects.
- 3. On the Reserved Command Variable Entry panel:
  - Press F6 to define a new reserved command variable.
  - Type the variable name (@@INVNUM) and its description. The variable name must begin with @@.
  - Type the name of the program called to return the variable value (INVNUM) and its library (PRODLIB).
  - Press F12 to save and return.

ABT322	Reserved Command Variable	14:54:20
Enter Reserved Comm <sup>,</sup>	and Variable Information:	
Reserved Variable		
Description Constant Value	<u>Last invoice number</u>	
(Or)		
Program to Call Library		
Parameter		
E3=Exit F12=Prev	vious F21=Command Line	J

Steps to Create a Job That Uses Reserved Command Variables

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Type **C** in the job type field to create a Command-type job.
  - Type the job name, description, and notes.
  - Type the run times and run schedule for the job.
  - Press Enter to save.
- 3. Press F23 and select option 3 to display the Command Entry panel.
- 4. On the Command Entry panel:
  - Type the command to be executed on the line by sequence number 1: CALL INVRPT PARM( '@@DATE' '@@TIME' '@@INVNUM' )
    - The first two variables—@@DATE and @@TIME, pass in the system date and time..
    - The third variable—@@INVNUM, is the reserved command variable you defined to pass in the invoice number
  - Press F12 to save and return to the Job Schedule List.

RBT2 Comm		or jobs name	ROBOT Comm ed: TEST	and Entry	14:57:52 TRAINER
Opti 1=S	ons elect	4=Delete	e 7=Insert		
<u>0pt</u>	<u>Seq</u> 1 <u>1</u> 2 - 3 - 4 - 5 -	CALL INVRPT	Comm PARM('@@DATE''@@T	and IME''@@INUNUM')	Err C C C C C C C
F3=E	xit		F4=Prompt	F7=Reserved Cmd	Botte

# What Report Options Should the Job Use?

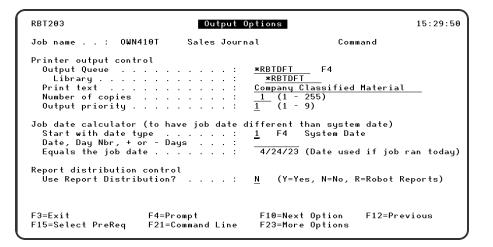
Print Separator Page Footer Print a Distribution List Print Banner Page for Each Recipient Distribute Copies on Network

## Print Separator Page Footer

## Scenario

The separator page of the report produced by the job should have a footer that says "Company Classified Material."

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes.
  - Type the run times and run schedule for the job.
  - Press Enter to save.
- 3. Press **F23** and select option **4** to display the Output Options panel.
- 4. On the Output Options panel:
  - Type Company Classified Material in the Print Text field.
  - Press Enter to save.
  - Press F3 to return to the Job Schedule List.



## **Print Distribution List**

## Scenario

Every report copy produced by the job should have a cover page with the title "Executive Report" followed by a page listing the recipients of the report.

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes.
  - Type the run times and run schedule for the job.
  - Press Enter to save.
- 3. Press F23 and select option 9 to display the Report Distributions panel.
- 4. On the Report Distributions panel:
  - Press **F4** in the opt column of the \*ALL print file entry.
  - Select option **3**, Banner Page Entry.
- 5. On the Banner Page Entry panel:
  - Type the title lines: EXECUTIVE REPORT
  - Type **Y** after Print Recipient List with Banner Page.
  - Press F12 to save and return to the Report Distribution panel.

RBT305	Banner Page	15:38:26
	Sales Journal *ALL Print File	Command
Enter Banner Page Information:		
Title Lines <u>EXECUTIVE</u> <u>REPORT</u>		
Instruction Lines		
Print Recipient List with Ba	nner Page <u>Y</u> (Y=Yes, N=No)	
F3=Exit F6=Delete F12=	Previous F21=Command Li	ne <mark>–</mark>

- 6. On the Report Distributions panel:
  - Press F4 in the opt column of the \*ALL print file entry.
  - Select option 2, Recipient Selection.
- 7. On the Report Recipients panel, press **F8** to display the Recipient Finder panel.
- 8. On the Recipient Finder panel:
  - To sort the list by recipient name, press **F9** and select Recipient from the window.
  - To find a recipient in the list, enter the first characters of the name in the Start list at Recipient field.
  - Type **1** in the Opt field by each recipient to be added to the list.
  - Press **F3** to copy the selected recipients and return to the Report Recipients panel.
- 9. On the Report Recipients panel:
  - To correct the information copied from the Recipient Finder, type **1** in the Opt field next to the recipient.
  - To add a new recipient to the list, press F6.
- 10. On the Recipient Setup panel:
  - Enter or correct the recipient name, department, and location as needed.
  - Type Y by each day so the recipient gets a report copy every time the job is run.
  - Press **F4** in the Output Queue field to select an output queue from the list of authorized queues. Or, type the name of the output queue and its library.
  - Type the number of copies this recipient should receive.
  - Press **F12** to save and return to the Report Recipients panel.
- 11. Repeat steps 9 and 10 until the recipient list is correct and complete on the Report Recipients panel. Then, press **F3** twice to return to the Job Schedule List.

ABT304		Report Rec	ipients					1	1:2	27:46
Job Nam Print F	e: OWN41 ile.: *ALL	0T *ALL Print F	ile	Pr	ogr	am				
Options	list at Recip /Copy/Delete		 ore Options							
				0	list	r il	but i	on	Day	js
<u>0pt</u>	<u>Recipient</u>	Department	Location	Ħ	Т	H	Th	F	Sa	Su
	FINN, MARTY	ACCOUNTING	BLDG C	Υ	Y	Y	Y	Ŷ	Y	Y
	KLEIN, SANDRA	STRATEGIC PLANG	HQ	Y	-Y	Y	Ý	Ŷ	Y	Y
_	KOZ, BILL	PERSONNEL	BLDG C					Y		
										Bottom
F3=Exit E21=Com		F4=Prompt F6 F23=Nore Options	=Add Recipient		F	8=I	łec i	ipie	nt	Finder

## Print Banner Page for Each Recipient

## Scenario

The title lines on the banner page should list the name, department, and location of the recipient. This example assumes that entries for all recipients of the report are available from the Recipient Finder and that the entry for each recipient contains the output queue for that recipient.

- 1. Press F6 on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes.
  - Type the run times and run schedule for the job.
  - Press Enter to save.
- 3. Press F23 and select option 12 to display the Report Recipients panel.
- 4. On the Report Recipients panel, press **F8** to display the Recipient Finder panel.
- 5. On the Recipient Finder panel:
  - Type **1** in the Opt field by each recipient to be added to the list.
  - Press **F3** to copy the selected recipients and return to the Report Recipients panel.

- 6. On the Report Recipients panel, enter a **3** in the Opt field next to display the Banner Page panel
- 7. On the Banner Page panel:
  - Check that the title is correct. The default title for a recipient entry is the recipient name, department, and location.
  - Check that the Print Recipient List with Banner Page option is N.
  - Press F12 to save and return to the Recipient List Selection panel.
  - Repeat steps 6 and 7 for each recipient in the list.

RBT305	Banner Page	11:35:39
Job Name : OUN410 Print File : *ALL Recipient : FINN,	*ALL Print File	Program
Enter Banner Page Informa Title Lines <u>FINN</u> <u>ACCO</u> BLDG	I <u>, MARTY</u> IUNTING	
Instruction Lines		
Print Recipient List wi	th Banner Page <u>N</u> ( <b>Y=Yes,</b>	N=No)
F3=Exit F6=Delete	F12=Previous F21=Comm	nand Line

## **Distribute Copies on the Network**

#### Scenario

A report job that is already using Robot Schedule report distribution is to be changed to send ten copies of its reports to another system on the network. This example assumes that the job has only one recipient list (for \*ALL).

- 1. On the Job Schedule List, enter option **12** next to the report job to display the Report Recipients panel.
- 2. On the Report Recipients panel, press **F6** to add a recipient to the list.
- 3. On the Recipient Setup panel:

- Type the recipient name (FERGUSON, MARY), department (MAIL ORDER), and location (MANKATO).
- Type **Y** after each day of the week so the copies are sent every time the job is run.
- Make sure the Output Queue and Library fields are blank.
- Type the user ID (MARYF). The copies are sent to the default output queue for the user ID. (Be sure to enter a valid ID—Robot Schedule cannot check that the user ID is valid on the other system.)
- If Robot Network is installed, you can press **F4** in the System Address field to select from a list of system addresses on the network. Otherwise, type the system address in the field.
- In the Copies field, type **10**.
- Press F12 to save and return to the Report Recipients panel.

ABT306		Recipient Setup		11:40:02
Job Name : Print File . :		Sales Journal *ALL Print File	Program	
Recipient Informo Recipient		IN. MABY		
Department Location	MAIL OF	IDER		
Distribution Info				
Tuesday Wednesday Thursday Friday Saturday Sunday	· · · Y · · · Y · · · Y · · · Y · · · Y	/es, N=No, 1 thru (F4=Prompt)	5) Other System Distr User ID	
Copies	<u>10</u> (1	thru 255)	System Address	<u>MANKATO</u> (F4=Prompt)
E3=Exit F4=Pr	ompt F12	Previous F21	=Command Line	

## **Special Jobs**

- Setting Up Robot Schedule Security
- Powering Down the System
- Checking Communication Line Status

## Setting Up Security

The following steps show you how to start the Robot Schedule security system and authorize users to secured objects.

**NOTE**: If you plan to use the Robot Schedule security system, you should secure the General System Defaults panel to prevent unauthorized users from being able to turn security off and on.

- 1. On the Robot Schedule Main Menu, select option **4** to display the System Setup Menu.
- 2. On the System Setup Menu, select option 1.
- 3. On the General System Defaults panel:
  - Type Y after the option Do you want to use Robot Security system.
  - Press F12 to save and return.

RBT222 General System Defaul	ts 12:21:18
Enter General System Default Information: Delay Robot startup in minutes Prefix to add to Job Names submitted by Robot Do you want to use Robot security system Do you want to use Robot's submit-delay Do you want Robot to capture job logs	RB Y (Y=Yes, N=No) N (Y=Yes, N=No)
	OSYSOPR        0SYS        (Y=Yes, N=No)        6        Y        (Y = Robot, N = User)        Y        (Y = Yes, N = No)        6        1 - 999        RBTADMIN        *NONE
F3=Exit F12=Previous F21=Command Line	

- 4. On the System Setup Menu, select option 3.
- 5. On the Maintain Secured Objects panel, type a **1** in the Opt column of the object for which you want to edit user authorities and press Enter.

RBT5	001	Maintain Secured Objects	12: 53: 58
St. Opti	art list at Secur	ed Object:	
		8=Job Authorities	
Opt	<u>Secured Object</u>	Description	
	Active Jobs	GUI: Work with Active Jobs	
	Audit Menu	Audit Menu	
	Audit 1	Setup Auditing	
	Audit 2	Start Auditing	
_	Audit 3	End Auditing	
	Audit 4	Display Audit Log	
	Audit 5	Delete Audit Log	
	Blueprint	GUI: Schedule Blueprint	
	Command Sets	GUI: Command Sets	
1	CONTROL 1	Start ROBOT	
	CONTROL 2	Stop ROBOT	
	CONTROL 3	Display ROBOT Subsystem	
	CONTROL 4	Run Missed Jobs	
			More
€3=E:	xit F21=Comma	nd Line	

6. On the Edit Profiles for Object Authority panel, select Exclude or Use authority for users or an authorization list.

ABT5002	Edit	Profiles for Object Authority	11:55:53 TRAINER
Object: CONT	FROL 1 Sto	art ROBOT	INDINEN
Object secur Use *PUBLIC	red by authoriz authority from	ation list	0
<u>User</u> *PUBLIC	Exclude	Use	
MARK JULIE	<u>×</u> –	X	
	-		
	_	-	
	_	-	
	-	-	Nore
€3=Exit	F12=Previous	F21=Command Line	

- 7. Press Enter and **F3** to save and return.
- 8. Repeat Steps for each object you would like to secure.

## Powering Down the System

You can set up a Robot Schedule job that will power down and restart the system automatically. The following job cancels Robot Autotune, the dynamic performance tuner and monitor, first. If Robot Autotune is not on your system, Robot Schedule ignores the command.

## Steps

- 1. Press **F6** on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Type **C** in the job type field to create a Command-type job.
  - Type the job name **PWRDWNSYS**, description, and notes.
  - Type the run time for the job: **2300** (11 p.m. on a 24-hr clock).
  - Type **Y** by Saturday to run the job every Saturday.
  - Press Enter to save.
- 3. Press **F23** and select option **3** to display the Command Entry panel.
- 4. On the Command Entry panel:
  - Type the following, starting at sequence number 1 (enter one command on each line)
    ATLIB/CNLAT

#### DLYJOB DLY(30) PWRDWNSYS OPTION(\*CNTRLD) DELAY(600) RESTART(\*YES)

• Press Enter to have Robot Schedule check the command syntax.

RBT29	92		ROBOT C	ommand Entry		13:31:06
Comme	ands	for jobs named	: PWRDWNSYS			
Optic 1=Se	ons elect	4=Delete	7=Insert			
<u>Opt</u>	<u>Seq</u>		C	ommand		Error
_		ATLIB/CNLAT	\			C
-	<u></u>	DLYJOB DLY(30 PUBDUNSYS OPT		DELAY(600) RESTART(*Y	FS)	C C
						Botton
F3=E>	xit	F	4=Prompt	F7=Reserved Cmd	Variables	
E8=Ca	ommani		10=Next Option	n F12=Previous	F24=Nore	keys

- 5. Enter a **1** before the Opt field next to the first command—ATLIB/CNLAT to display the Extended Command Display panel.
- 6. On the Extended Command Display panel:
  - Enter a **1** in the Command Error Processing field. This tells Robot Schedule to run the job even if the command fails because Robot Autotune is not on the system.
  - Press F12 to save and return.

RBT291	Extended Com	mand Display	13:31:59	
Job name: PWRDWNSYS Command Error Processing	g: <u>1</u> (1=	lgnore, 2=Cancel)	Sequence number: 1	
	Command	1		
ATLIB/CNLAT				
Note 1Variable substitution symbol is @n ie. @1, @2 2All commands used must have an OS batch and interactive entry code 3Continuation symbols are not allowed or necessary 4All nested ROBOT commands must start with ¢ sign ie. OVR2 = ¢OVR2				
F3=Exit F F8=Command Finder F		F7=Reserved Cmd V F21=Command Line	ariables	

## **Checking Communication Line Status**

#### Scenario

You can schedule a Robot Schedule job to check communication line status at regular intervals. This example checks at 20-minute intervals every day to make sure that the line is varied on. You can limit the days and hours that the job runs.

- 1. Press F6 on the Job Schedule List to display the Initial Job Setup panel.
- 2. On the Initial Job Setup panel:
  - Enter the job type, job name, description, and notes
  - Do not enter run times or a run schedule on this panel.
  - Press Enter to save.
- 3. Press F23 and select option 2 to display the Advanced Scheduling panel.

- 4. On the Advanced Scheduling panel:
  - Type **1** before the EVERY option.
  - Type **20** as the number of minutes between job runs.
  - Press Enter to save.

ABT202	Advanced Scheduling	13: 36: 34			
Job Name COM	MLINE Check communications lin	ne Command			
CHOOSE ONE TO SCHEDULE OTHER THAN BY DAY OF THE WEEK					
_ (INDAY)	Start running on this date and Choose type of day: _ Work _ Calenda	· ·			
<u>1</u> (EVERY)	Run every <u>20</u> minutes				
_ (DATE)	Run on the dates listed in Date Object	(F4=Prompt)			
_ (REACT)	Run when prerequisites are satisfied	( see reactive job list )			
_ (DAYNO)	Run on these day numbers Choose type of day: _ Work _ Fiscal	of the month CalendarNon-Working			
F3=Exit F12=Previous	•	10=Next Option 13=Nore Options			

- 5. Press **F23** and select option **10** to display the Exception Scheduling panel.
- 6. On the Exception Scheduling panel:
  - Check that the Allow to Run on Non-Working Days option is Y.
  - To limit the runs to a range of hours enter the range in the Start executing job only between times fields.
  - Press F12 to save and return.

ABT205	Exception Schedu	iling 13:37	7:53
Job Name COMMLINE	E Check communicati	ions line Command	
MISCELLANEOU	JS SCHEDULING EXCEPTIONS		
Run on non-work	king day <u>Y</u> (Y=Yes, N=No, F=	=Run after, B=Run before)	
Start executing	g job only between times _	and	
Make this a Sub	omit-Delay model job _ (F4:	=Prompt for Compare Options)	
EXCEPTION SO	CHEDULING OBJECTS		
Don't run on do	ates listed in Date Object	(F4=Prompt)	
Execute schedu	le instructions in OPAL Obj	oject (F4=Prompt)	
F3=Exit E12=Previous	F4=Prompt F21=Command Line	F10=Next Option F23=Nore Options	