Understanding Job Scheduling Dependencies
AutoSys Release: 11.3 SP1
Intended Audience: Business

This job doc is broken into several sections, covering the attributes that impact scheduling – when appropriate the screen captures will include both Job Detail page view and the JIL (Job Information Language view). Note that the 'Job Type' does not display on the QVIEW page. Also, the JIL name (Job Information Language) has an embedded hyperlink which will take you directly to that section of this document.

These job attributes covered in this document include ('Page Name', 'JIL Name':
- ✓ 'Job Type', 'job_type'
- ✓ 'Date/Time conditions', 'date_conditions'
- ✓ 'Run calendar', 'run_calendar'
- ✓ 'Exclude calendar', 'exclude_calendar'
- ✓ 'Run Days', 'days_of_week'
- ✓ 'Minutes after each hour', 'start_mins'
- ✓ 'Times of day', 'start_times'
- ✓ 'Run Window', 'run_window'
- ✓ 'Condition', 'operator', and 'type'
- ✓ 'Send alarm on failure', 'alarm_if_fail'
- ✓ 'status_code' ('Success', 'Failure', 'Inactive', 'On Ice', 'On Hold', etc.)

Attribute: job_type

Comments or Screen Captures:
The Job Type attribute identifies the type of Job AutoSys should run; and there may be different required fields, depending on the Job Type.
job_type: box There are two ways to identify a job_type of 'box': 1) A Job Box does not contain 'command' line attributes (Job Boxes are used to group and manage Job Streams – they do not execute Jobs by and of themselves). 2) A Job box should also be identified by naming convention - the sixth character in the AutoSys job name should reflect 'B' (Box). Note: 'Send alarm on failure' is not flagged for Job Boxes; the University will only create incidents for Job Failures. If a job within a stream fails, both the Job status and the Job Box status will reflect 'failure'.

Job Details		Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	ACPAPBN.Nightly
Description	DX_Su-Fr @19:00
Owner	psoft
Schedule	
Average run time	17355
Date/Time conditions	true
Days	
Run calendar	DX_Su-Fr
Time	
Times of day	19:00
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	false

Comments or Screen Captures:

Select the 'Show JIL' button to verify the job type.

```
Job Details                                              Quick Edit  Show Tree

insert_job: ACPAPBN.Nightly   job_type: box
description: "DX_Su-Fr @19:00"
owner: psoft
permission: gx,ge,wx,we
max_run_alarm: 0
alarm_if_fail: n
avg_runtime: 17355
date_conditions: y
start_times: "19:00"
run_calendar: DX_Su-Fr
```

job_type: cmd (command)
There are two types of Jobs which are classified by AutoSys as commands - Job Type 'cmd':
1) A Job that contains 'command' line attributes not directly relating to a PeopleSoft ProcessPeopleSoft. These jobs contain a 'C' as the sixth character in the naming convention.

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	ADMIPCN.FTP_CCLTRGEN_Rerun
Description	Rerun trans.pl script when requested - UPDATE the cfg_file name on the command line
Send to machine	WP_WATAB
Owner	psoft
Command	
Command	/Autosys/autosys/scripts/ftp_rerun.scr cfg_file=ccltrgen.sf.oaprod.trans
Standard output file	$$AUTOLOG/ad/ADMIPCN.FTP_CCLTRGEN_$$MMDD.log
Standard error file	$$AUTOLOG/ad/ADMIPCN.FTP_CCLTRGEN_$$MMDD.err
Notification	
Alarms	

Select the 'Show JIL' button to verify the job type.

Job Details	Quick Edit	Show Tree

```
insert_job: ADMIPCN.FTP_CCLTRGEN_Rerun    job_type: cmd
description: Rerun trans.pl script when requested - UPDATE the cfg_file name on the command line
machine: WP_WATAB
owner: psoft
permission: gx,ge,wx,we
max_run_alarm: 0
alarm_if_fail: y
std_out_file: $$AUTOLOG/ad/ADMIPCN.FTP_CCLTRGEN_$$MMDD.log
std_err_file: $$AUTOLOG/ad/ADMIPCN.FTP_CCLTRGEN_$$MMDD.err
command: /Autosys/autosys/scripts/ftp_rerun.scr cfg_file=ccltrgen.sf.oaprod.trans
```

2) A job which will execute a PeopleSoft Run Control - the sixth character in the AutoSys job name should reflect 'P' (PeopleSoft); and the command line will also include 'auto_ps7'.

Attribute Name	Attribute Value
▣ Primary	
Name	ACPAPPN.UMFAPAM1
Description	Load Assets Request
Send to machine	WP_WATAB
Condition	s(ACPAPPN.AP_PSTVCHR_NGHTLY_UMNIS) & s(ACPAPPN.AP_PSTVCHR_NGHTLY_UMN01) & d(ASMAPPN.AMPS1000)
Owner	psoft
Box	ACPAPBN.Nightly
▣ Command	
Command	$$PS_Adapter/auto_ps7 -jjb -F16 FSUMPRD INTFAPAM UMFAPAM1 EFSBTCH1
Standard output file	$$AUTOLOG/efs/ACPAPPN.UMFAPAM1_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/efs/ACPAPPN.UMFAPAM1_$AUTORUN.P_$$.err
▣ Schedule	
Average run time	74
▣ Notification	
▣ Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true

Job Details — Quick Edit — Show JIL — Expand All | Collapse All

Select the 'Show JIL' button to verify the job type.

Job Details — Quick Edit — Show Tree

```
insert_job: ACPAPPN.UMFAPAM1   job_type: cmd
description: Load Assets Request
machine: WP_WATAB
condition: s(ACPAPPN.AP_PSTVCHR_NGHTLY_UMNIS) & s(ACPAPPN.AP_PSTVCHR_NGHTLY_UMN01) & d(ASMAPPN.AMPS1000)
owner: psoft
box_name: ACPAPBN.Nightly
permission: gx,ge,wx,we
max_run_alarm: 0
alarm_if_fail: y
avg_runtime: 74
std_out_file: $$AUTOLOG/efs/ACPAPPN.UMFAPAM1_$AUTORUN.P_$$.log
std_err_file: $$AUTOLOG/efs/ACPAPPN.UMFAPAM1_$AUTORUN.P_$$.err
command: $$PS_Adapter/auto_ps7 -jjb -F16 FSUMPRD INTFAPAM UMFAPAM1 EFSBTCH1
```

job_type: fw (file watcher job)
The University currently uses one other job type - 'fw' (file watcher). A 'File Watcher' job has 'F' as the sixth character in the Job Naming convention; and includes a 'File Watcher' section.

Job Details   Quick Edit   Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	STREP**FN**.Watch_DARWINBB
Description	Watch for DARWIN Trigger File
Send to machine	WP_DARP01
Owner	uprddar1
File Watcher	
File(s) to watch	/dars/dars35/D35PRD/triggers/darwinbb.txt
Minimum file size	0
Watch interval	60
Termination	
Minutes to wait before terminating	1200
Schedule	

Select the 'Show JIL' button to verify the job type.

Job Details   Quick Edit   Show Tree

```
insert_job: STREPFN.Watch_DARWINBB    job_type: fw
description: Watch for DARWIN Trigger File
machine: WP_DARP01
owner: uprddar1
permission: gx,ge,wx,we
max_run_alarm: 0
alarm_if_fail: y
avg_runtime: 13858
start_times: "07:00"
run_calendar: DX_Su-Fr
term_run_time: 1200
watch_file: /dars/dars35/D35PRD/triggers/darwinbb.txt
watch_file_min_size: 0
watch_interval: 60
```

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Attribute: date_conditions

Comments or Screen Captures
For a job to run 'standalone', the 'Date/Time conditions' attribute in the 'Schedule' section must reflect 'true'. If the date_conditions field is not set to '1' (true), AutoSys will review ignore any 'Days' or 'Time' attributes and rely solely of dependencies for scheduling. If the 'Date/Time conditions are 'true', the job or job box will also reference 'Run days', or 'Run calendar' and/or 'Exclude Calendar'; and, 'Times of day' or 'Minutes past hour'. These attributes will be covered in more details in other sections of this document.
This Job Box (ACPAPBN.Nightly) will be selected and displayed on the forecast if the forecast date and time frame is populated on the referenced run calendar. If the 'Date/Time conditions' field were blank, the job would not display on the forecast; nor would it run without manual intervention. Note: There is a way to identify this Job as a 'Job Box' - a Job Box does not contain 'command' line attributes (Job Boxes are used to group and manage Job Streams – they do not execute Jobs by and of themselves).

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	ACPAEBN.Nightly
Owner	psoft
Group	FS89ENT
Application	ENFI
Schedule	
Average run time	18454
Date/Time conditions	true
Days	
Run calendar	DX_Mo-Fr
Time	
Times of day	19:00

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Attribute: run_calendar

Comments or Screen Captures
This Job Stream (ACPAPBN.Nightly) is scheduled to use a calendar to determine which days it should run (Run Calendar 'DX_Mo-Fr'). If the current date is populated on the DX_Mo-Fr' calendar; the job will be scheduled to begin at 19:00 (7:00 p.m.). Note that the 'Date/Time conditions' must be 'true' or the job will not run; regardless of the other attributes provided.

Job Details		Quick Edit	Show JIL
Expand All | Collapse All			
Attribute Name	**Attribute Value**		
⊟ **Primary**			
Name	ACPAPBN.Nightly		
Description	DX_Su-Fr @19:00		
Owner	psoft		
⊟ **Schedule**			
Average run time	17355		
Date/Time conditions	true		
⊟ **Days**			
Run calendar	DX_Su-Fr		
⊟ **Time**			
Times of day	19:00		

Calendar 'DX_Su-Fr' is fairly self explanatory - it will run Sunday through Friday.
Note: The business does not currently have access to view calendars; a separate document will be created to detail the full calendar functionality.

Name: DX_Su-Fr

Calendar

Starting Month: January   **Starting Year:** 2013   Go

January 2013

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February 2013

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March 2013

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2013

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2013

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2013

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July 2013

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August 2013

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September 2013

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October 2013

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2013

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2013

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

☐ Processing Days

Generate Days	Apply Rules...

Expand All | **Collapse All**

Name	Value
⊟ **Primary**	
Action	Set Processing days ▼
⊟ **Date Range**	All days in year ▼
All days in year	2013 ▼
⊟ **Recurrence Pattern**	
⊟ **Occurrence**	
First	☐
Second	☐
Third	☐
Fourth	☐
Every	☐
Next to last	☐
Last	☐
Nth	
Every Nth	
⊟ **Days**	Any day ▼
Any day	
⊟ **Periods**	No period ▼
No period	
⊟ **Reschedule Rule**	
Reschedule	☐
Reschedule direction	Previous ▼
⊟ **Reschedule Day Type**	Any day ▼
Any day	

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Attribute: exclude_calendar

Comments or Screen Captures

In addition to specifying a run calendar, job EXPEPPN.UMFEX002 also documents exceptions by specifying an Exclude Calendar ('Holidays')
If the current date is populated on the DX_Tu-Sa' calendar, but not on the 'Holidays' calendar; the job will be scheduled to begin at 1:00 a.m.

Note: 'Date/Time conditions' must be true in order for the job to process systematically (the job will not be scheduled to run, if this value is false).

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	EXPEPPN.UMFEX002
Description	Budget Check Closed TAs
Send to machine	WP_WATAB
Owner	psoft
Command	
Command	$$PS_Adapter/auto_ps7 -jae -F16 FSUMPRD EX_UMFEX002 UMFEX002 EFSBTCH1
Standard output file	$$AUTOLOG/efs/EXPEPPN.UMFEX002_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/efs/EXPEPPN.UMFEX002_$AUTORUN.P_$$.err
Schedule	
Average run time	60
Date/Time conditions	true
Days	
Run calendar	DX_Tu-Sa
Exclude calendar	Holidays
Time	
Times of day	01:00
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 18, 2013 1:01:03 AM
Next Start Time	Jul 19, 2013 1:00:00 AM
Run Machine	WP_WATAB

Comments or Screen Captures

A 'run calendar' specifies the days on which a job should run, such as Tuesday through Saturdays, each week.
In this example, the 'Processing Days' are highlighted in green. Unless referenced on the exclude calendar, the job will run on any day highlighted (the next screen capture will cover exclude calendar attributes).

Comments or Screen Captures

This calendar does not utilize the 'Reschedule Rule' functionality.

Comments or Screen Captures

| Generate Days | Apply Rules... |

Expand All | Collapse All

Name	Value
Primary	
Action	Set Processing days ▼
Date Range	All days in year ▼
All days in year	2013 ▼
Recurrence Pattern	
Occurrence	
First	☐
Second	☐
Third	☐
Fourth	☐
Every	☐
Next to last	☐
Last	☐
Nth	
Every Nth	
Days	Any day ▼
Any day	
Periods	No period ▼
No period	
Reschedule Rule	
Reschedule	☐
Reschedule direction	Previous ▼
Reschedule Day Type	Any day ▼
Any day	

An 'exclude calendar' specifies the days on which a job should not run. For example, to help ensure that a job never runs on any University holiday, a calendar named Holidays has been created, and each corporate holiday selected as a processing day.

Comments or Screen Captures

🔼 **Calendar Properties**   Select an action ▼ | Go | Commit | Refresh | Delete

Name: Holidays

Calendar

Starting Month: January ▼   **Starting Year:** 2013 ▼ Go

January 2013						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February 2013						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March 2013						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2013						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2013						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2013						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July 2013						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August 2013						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September 2013						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October 2013						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2013						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2013						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

☐ Processing Days

This calendar does not utilize the 'Reschedule Rule' functionality.

Comments or Screen Captures

▲ Generate Days	Apply Rules...

Expand All | Collapse All

Name	Value
⊟ **Primary**	
Action	Set Processing days ▼
⊟ **Date Range**	All days in year ▼
All days in year	2013 ▼
⊟ **Recurrence Pattern**	
⊟ **Occurrence**	
First	☐
Second	☐
Third	☐
Fourth	☐
Every	☐
Next to last	☐
Last	☐
Nth	
Every Nth	
⊟ **Days**	Any day ▼
Any day	
⊟ **Periods**	No period ▼
No period	
⊟ **Reschedule Rule**	
Reschedule	☐
Reschedule direction	Previous ▼
⊟ **Reschedule Day Type**	Any day ▼
Any day	

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Attribute: days_of_week

Comments or Screen Captures
The 'days_of_week' or 'Run Days' attribute specifies the exact days a job should be scheduled to run. This attribute cannot be used in combination with a run calendar, (run_calendar).
The following is an example of a Job that is scheduled to run Monday-Saturday, and will run every five minutes on those days.

Job Details   Quick Edit   Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	STREPPN.UMIMU002
Description	WebCT PS_STDNT_ENRL Updates
Send to machine	WP_WATAB
Owner	psoft
Command	
Command	$$PS_Adapter/auto_ps7 -jsr -oF -F6 HEPCOM UMIMU002 UMIMU002 UPRDCTL1
Standard output file	$$AUTOLOG/sr/STREPPN.UMIMU002_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/sr/STREPPN.UMIMU002_$AUTORUN.P_$$.err
Schedule	
Average run time	36
Date/Time conditions	true
Days	
Run days	mo,tu,we,th,fr,sa
Time	
Minutes after each hour	00,05,10,15,20,25,30,35,40,45,50,55
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 18, 2013 1:10:32 PM
Next Start Time	Jul 18, 2013 1:15:00 PM
Run Machine	WP_WATAB

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Attribute: start_mins

Comments or Screen Captures
The 'start_mins' attribute identifies the exact minutes after each hour the specified job should run. 'Minutes after each hour' can not be used in combination with the 'start_times' attribute.
In this example, the job is scheduled to run every five minutes.

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	STREPPN.UMIMU002
Description	WebCT PS_STDNT_ENRL Updates
Send to machine	WP_WATAB
Owner	psoft
Command	
Command	$$PS_Adapter/auto_ps7 -jsr -oF -F6 HEPCOM UMIMU002 UMIMU002 UPRDCTL1
Standard output file	$$AUTOLOG/sr/STREPPN.UMIMU002_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/sr/STREPPN.UMIMU002_$AUTORUN.P_$$.err
Schedule	
Average run time	36
Date/Time conditions	true
Days	
Run days	mo,tu,we,th,fr,sa
Time	
Minutes after each hour	00,05,10,15,20,25,30,35,40,45,50,55
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 18, 2013 1:10:32 PM
Next Start Time	Jul 18, 2013 1:15:00 PM
Run Machine	WP_WATAB

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Attribute: start_times

Comments or Screen Captures
The 'start_times' attribute identifies the exact time a specified job should run. 'Times of day' can not be used in combination with the 'Minutes after each hour' attribute. Note that these times are recorded in miltary format (the 24-hour military time format).
In this example, the job is scheduled to run at one o'clock each morning.

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	EXPEPPN.UMFEX002
Description	Budget Check Closed TAs
Send to machine	WP_WATAB
Owner	psoft
Command	
Command	$$PS_Adapter/auto_ps7 -jae -F16 FSUMPRD EX_UMFEX002 UMFEX002 EFSBTCH1
Standard output file	$$AUTOLOG/efs/EXPEPPN.UMFEX002_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/efs/EXPEPPN.UMFEX002_$AUTORUN.P_$$.err
Schedule	
Average run time	60
Date/Time conditions	true
Days	
Run calendar	DX_Tu-Sa
Exclude calendar	Holidays
Time	
Times of day	01:00
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 18, 2013 1:01:03 AM
Next Start Time	Jul 19, 2013 1:00:00 AM
Run Machine	WP_WATAB

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Attribute: run_window

Comments or Screen Captures
The 'run_window' attribute identifies the exact time interval a specified job should run. The Run Window attribute is not a starting condition; it acts as an additional control - all starting condition attributes must be met for the specified job to be scheduled.
In this example, the job is scheduled to run at 1, 21, and 41 minutes past the hour between 8:01 a.m. and 5:04 p.m.

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	TREAPBN.Daytime_20-Minutes
Owner	psoft
Schedule	
Average run time	19
Date/Time conditions	true
Run window	08:01 - 17:04
Days	
Run calendar	DX_Mo-Fr
Time	
Minutes after each hour	01,21,41
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	false
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 18, 2013 1:21:19 PM
Next Start Time	Jul 18, 2013 1:41:00 PM

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Attribute: operator

Comments or Screen Captures
There are two condition operator's, '&' and '|', 'and' and 'or' respectively.
In the following examples both the referenced jobs must complete (with a status of 'SUCCESS', 'FAILURE', or 'TERMINATED'), in order for this job to be scheduled to run by AutoSys.

Job Details	Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	FIAIPCN.MailComplete
Description	Email Financial Aid That Batch is Complete
Send to machine	js-prd02.oit.umn.edu
Condition	d(FIAIPBN.FA_CORE) & d(STFIPBN.SFPGRPST_TC)
Owner	autosys
Command	
Command	/Autosys/scripts/EmailFA.ksh
Standard output file	$$AUTOLOG/autosys/FIAIPCN.MailComplete_$$MMDD.log
Standard error file	$$AUTOLOG/autosys/FIAIPCN.MailComplete_$$MMDD.err
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 17, 2013 11:37:05 PM
Run Machine	js-prd02.oit.umn.edu

Comments or Screen Captures
In this example, the job will be scheduled by AutoSys if 'TREAPCH.Sleep_Bremer-PD' completes with a status of 'SUCCESS', 'FAILURE', or 'TERMINATED' **Or** If 'TREAPCN.FTP_Bremer-PD' completes with a status of 'FAILURE'.

Comments or Screen Captures

Job Details		Quick Edit	Show JIL

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	TREAPCN.FTP_USB-PD
Description	Transfer To Pull In Input USB Previous Day File
Send to machine	WP_EFSTRANS1
Condition	d(TREAPCN.Sleep_Bremer-PD)	f(TREAPCN.FTP_Bremer-PD)
Owner	efstransfer1
Box	TREAPBN.Daytime_PrevDay
Command	
Command	C:\WINDOWS\system32\cscript.exe C:\Scripts\TR_FTP_USB_PD.vbs
Standard output file	C:\LOGS-AutosysJobs\TR_FTP_USB-PD_$$MMDD.log
Standard error file	C:\LOGS-AutosysJobs\TR_FTP_USB-PD_$$MMDD.err
Schedule	
Average run time	7
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx
Run Time	
Status Time	Jul 18, 2013 6:41:51 AM
Run Machine	WP_EFSTRANS1

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Attribute: type

Comments or Screen Captures

Type, or status attributes futher define conditions. There are several Job Status Dependencies that can be used to control when a job should run; or when a job should not run.
   ✓ 'd' (done)
   ✓ 'f' (failure)
   ✓ 'n' (notrunning)
   ✓ 's' (success)
   ✓ 't' (terminated)
 Each of these will be discussed in more detail; followed by some specific examples.

'd' (done) Indicates that the job you are defining may run when the job specified within the condition completes with a status of SUCCESS, FAILURE, or TERMINATED.
'f' (failure) Indicates that the job you are defining may run when the job specified within the condition completes with a status of FAILURE.
'n' (notrunning) Indicates that the job you are defining may run when the job specified within the condition is any value except RUNNING - preventing the dependent job from running at the same time as the job referenced within the condition.
's' (success) Indicates that the job you are defining may run when the job specified within the condition completes with a status of SUCCESS.
't' (terminated) Indicates that the job you are defining may run when the job specified within the condition is TERMINATED.

Comments or Screen Captures

'd' (done)

Indicates that the job you are defining may run when the job specified within the condition completes with a status of SUCCESS, FAILURE, or TERMINATED.

Attribute Name	Attribute Value
Job Details	Quick Edit Show JIL
Expand All | **Collapse All**	
Attribute Name	**Attribute Value**
⊟ **Primary**	
Name	GPCAPPN.UMDYN001_Weekly
Description	Change All the Date Parms
Send to machine	WP_WATAB
Condition	d(GPCAPPN.CA_LIMITS)
Owner	psoft
Box	GPCAPBN.Weekly
⊟ **Command**	
Command	$$PS_Adapter/auto_ps7 -jsp -F16 FSUMPRD UM_DYNPARM_SETUP_NLY UMDYN001 EFSBTCH1
Standard output file	$$AUTOLOG/efs/GPCAPPN.UMDYN001_Weekly_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/efs/GPCAPPN.UMDYN001_Weekly_$AUTORUN.P_$$.err
⊟ **Schedule**	
Average run time	30
⊟ **Notification**	
⊟ **Alarms**	
Maximum run time (minutes)	0
Send alarm on failure	true
⊟ **Native Security Permissions**	
Permission	gx,ge,wx,we
⊟ **Run Time**	
Status Time	Jul 14, 2013 3:59:08 PM
Run Machine	WP_WATAB

Comments or Screen Captures

's' (success)
Indicates that the job you are defining may run when the job specified within the condition completes with a status of SUCCESS.

| Job Details | Quick Edit | Show JIL |

Expand All | Collapse All

Attribute Name	Attribute Value
Primary	
Name	PURCPPN.PO_AUTO_SRC
Description	PO Auto Sourcer
Send to machine	WP_WATAB
Condition	s(PURCPPN.FS_BP_REQ)
Owner	psoft
Box	PURCPBN.Daytime
Command	
Command	$$PS_Adapter/auto_ps7 -jae -F16 FSUMPRD PO_AUTO_SRC PO_AUTO_SRC EFSBTCH1
Standard output file	$$AUTOLOG/efs/PURCPPN.PO_AUTO_SRC_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/efs/PURCPPN.PO_AUTO_SRC_$AUTORUN.P_$$.err
Schedule	
Average run time	209
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true

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Attribute: alarm_if_fail

Comments or Screen Captures

The 'alarm if fail' must be true for the specified job to be selected for a job failure to create a ServiceNow incident. The AutoSys job that was created to send job failure details to ServiceNow will not select any job where 'Send alarm on Failure' is false.
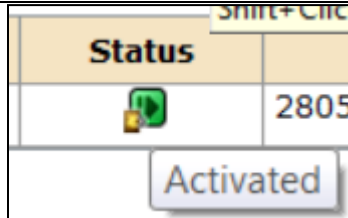
Attribute Name	Attribute Value
Primary	
Name	STREPPN.UMIMU002
Description	WebCT PS_STDNT_ENRL Updates
Send to machine	WP_WATAB
Owner	psoft
Command	
Command	$$PS_Adapter/auto_ps7 -jsr -oF -F6 HEPCOM UMIMU002 UMIMU002 UPRDCTL1
Standard output file	$$AUTOLOG/sr/STREPPN.UMIMU002_$AUTORUN.P_$$.log
Standard error file	$$AUTOLOG/sr/STREPPN.UMIMU002_$AUTORUN.P_$$.err
Schedule	
Average run time	36
Date/Time conditions	true
Days	
Run days	mo,tu,we,th,fr,sa
Time	
Minutes after each hour	00,05,10,15,20,25,30,35,40,45,50,55
Notification	
Alarms	
Maximum run time (minutes)	0
Send alarm on failure	true
Native Security Permissions	
Permission	gx,ge,wx,we
Run Time	
Status Time	Jul 23, 2013 9:55:32 AM
Next Start Time	Jul 23, 2013 10:00:00 AM
Run Machine	WP_WATAB

Job Details | Quick Edit | Show JIL
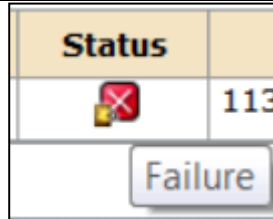
Expand All | Collapse All

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Attribute: status_code

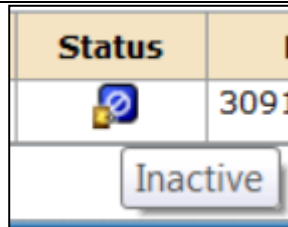| Comments or Screen Captures |
|---|
| You can use 'mouse over text' to identify the various job status codes; but we have also included some within this section of the job doc. |

Status 2805
Activated

The ACTIVATED status indicates that the top-level box in which the job resides is currently in the RUNNING state. This status is internally controlled and does not have an associated event.

Status 113
Failure

The FAILURE status indicates one of the following:

■ For a command job, the command exited with a code greater than the maximum success value specified for the job.

■ For a box job, the failure conditions for the box evaluated to true.
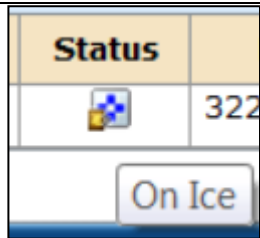
Status 3091
Inactive

The INACTIVE status indicates that the job is inactive; it has no status, by (or in) itself. For example, a newly created job which has not run is inactive.
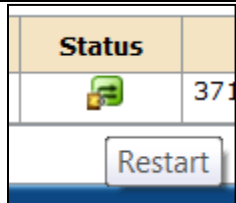
Comments or Screen Captures

Status	Ru
🔷	31655

On Hold

The ON_HOLD status indicates that the job is on hold and will not run until it receives the JOB_OFF_HOLD event.
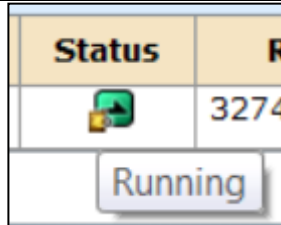
Status	
🔷	322

On Ice

The ON_ICE status indicates that the job is removed from all conditions and logic, but is still defined. Operationally, this is the equivalent of deactivating the job.
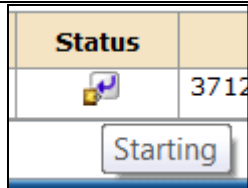
Status	
🔷	371

Restart

The RESTART status indicates that a job that could not start because of hardware or application problems has been scheduled to restart.
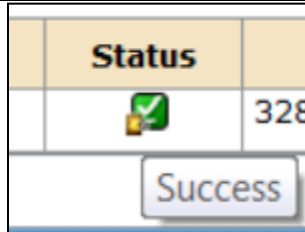
Comments or Screen Captures

Status	F
🟩	3274

Running

The RUNNING status indicates that the job is running. If the job is a box, the RUNNING status indicates that jobs in the box may be started (other conditions permitting). If the job is a command or file watcher job, the RUNNING status indicates that the specified process is running on the client.
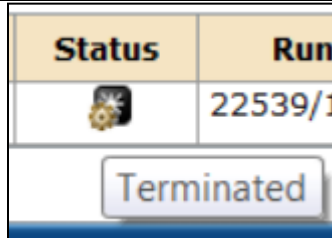
Status	
↩	3712

Starting

The STARTING status indicates that the scheduler has initiated the start procedure with the agent and the job is in the process of "coming up." This status does not apply to box jobs.

Status	
✅	328

Success

The SUCCESS status indicates that the job exited and is considered successful, as determined by the exit code (for a command job) or the success conditions (for a box job).

Comments or Screen Captures

Status	Run
⚙	22539/1
Terminated	

The TERMINATED status indicates that the job was terminated.

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