Scheduling is about Visibility, Accuracy, Speed and Efficiency.

Universal Scheduling Evolution on IBM i

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

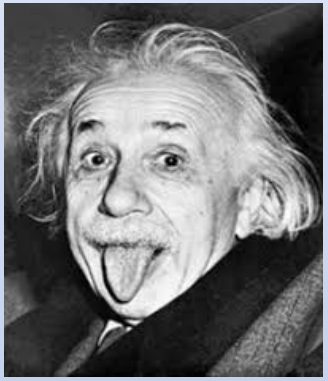
OUR session we will learn :

-Evolution of job scheduling on the IBM i (iSeries)

-Advanced capabilities in use today

-Universal Scheduler processes jobs =ALL platforms

-All jobs execute in sequence, all metrics managed in real time



Runs on a Laptop through to a Mainframe.

For more details contact – Alex.Rodriguez@Revsoft.com

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

In the latter 20th century.

Almost all iSeries Jobs.

BPCS, PRMS, JDE etc.,

In the early 21st century.

Mostly iSeries Jobs.

Cash Registers,
RF Stock input,
etc.,

ERP links evolving.

In this decade.

All Servers Jobs.

Fork Lifts, ATMs, AI - Bots
EDI and other Files arriving.

ERP
Diversification
had occurred
where multiple
ERP's are used.

Runs on a Laptop through to a Mainframe.

For more details contact – Alex.Rodriguez@Revsoft.com

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.







Has your Scheduling Application kept pace with the modernization ?

Most people when thinking about Enterprise Scheduler think of Tivoli or Control-M.

Is that model keeping pace as it still requires an additional server that controls the scheduled jobs for all the Servers ?

Just as the work flow and ERP Diversification has taken place so has Scheduling.

An Enterprise model had evolved to become a Universal model.

The Universal model ran on ALL your existing servers and they could communicate with other servers when required.

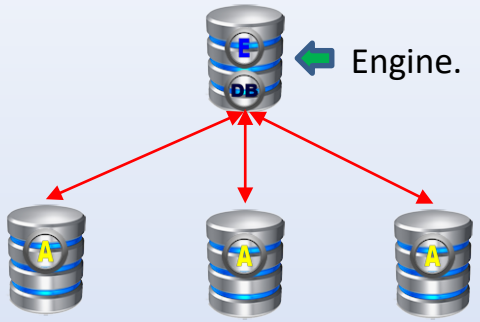



RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

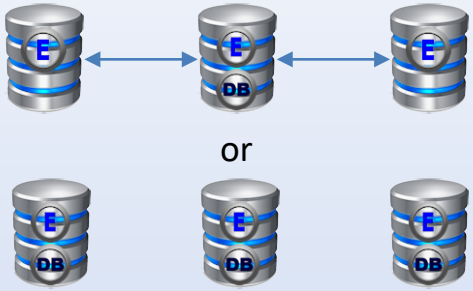
Centralized model.



1 Decision Maker and 3 Agents.

- Data Base.
- Engine – This makes decisions.
- Agent – This does NOT make decisions.

Universal model.



3 Decision Makers.

- Data Base.
- Engine – This makes decisions.
- No Agents.

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

EXAMPLE_TO_TRIGGER Triggers 10 jobs.

EXAMPLE_TO_TRIGGER Ended	10:18:02.397189		
1st Trigger job started	10:18:02.598000	0.200811	
10th Trigger job started	10:18:04.431000	2.033811	1.833000

Filtered	Entry	Sch Time	(Job Event)		(JDC)	Time Zone	Start	End
			trigger					
	Mon 01-Feb-2021							
1	10:15:01.164182	10:15	EXAMPLE_TO_TRIGGER		*BASE	*SYSTEM	10:15:01.246000	10:18:02.397189
2	10:18:02.535751	24:00	EXAMPLE_BY_TRIGGER		*BASE	*SYSTEM	10:18:02.598000	10:21:02.756372
3	10:18:02.745453	24:00	EXAMPLE_BY_TRIGGER_1		*BASE	*SYSTEM	10:18:02.804000	10:21:02.941742
4	10:18:02.946341	24:00	EXAMPLE_BY_TRIGGER_2		*BASE	*SYSTEM	10:18:03.002000	10:21:03.144210
5	10:18:03.151381	24:00	EXAMPLE_BY_TRIGGER_3		*BASE	*SYSTEM	10:18:03.216000	10:21:03.346426
6	10:18:03.321592	24:00	EXAMPLE_BY_TRIGGER_4		*BASE	*SYSTEM	10:18:03.377000	10:21:03.510777
7	10:18:03.490856	24:00	EXAMPLE_BY_TRIGGER_5		*BASE	*SYSTEM	10:18:03.546000	10:21:03.686349
8	10:18:03.688288	24:00	EXAMPLE_BY_TRIGGER_6		*BASE	*SYSTEM	10:18:03.741000	10:21:03.894960
9	10:18:03.882568	24:00	EXAMPLE_BY_TRIGGER_7		*BASE	*SYSTEM	10:18:03.981000	10:21:04.119226
10	10:18:04.043526	24:00	EXAMPLE_BY_TRIGGER_8		*BASE	*SYSTEM	10:18:04.133000	10:21:04.265426
11	10:18:04.210747	24:00	EXAMPLE_BY_TRIGGER_9		*BASE	*SYSTEM	10:18:04.431000	10:21:04.604936

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

This Universal model was the same on ALL platforms.

All platforms could use the same .NET User Interface.

Common Data could be published between Servers/Platforms e.g. Calendars.

It was informative (sounds and colors) with current metrics and defied the Lights Out concept of Faith and NO metrics.

It was mobile via secure WEB interfaces.

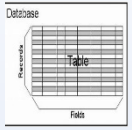
Security could be System or LDAP/AD.

Separate UI's for Definitions, Operations, High Availability, Archiving.

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.



Only submit scheduled jobs if there is data to be processed –
Check Tables for Records that meet WHERE clauses.

Read the contents of .pdf's looking for test strings.

Retrieve text/data from .pdf's.

Check existence of flat files as well as for text strings.

User Defined Conditions can be a Dependency.
Conditions can be used across Servers/Platforms.

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

Environments allow you to Partition your Scheduler.
Security allows you to define who can create/update/delete Jobs and see jobs for the Environment.
High Availability can be selected by Environment.

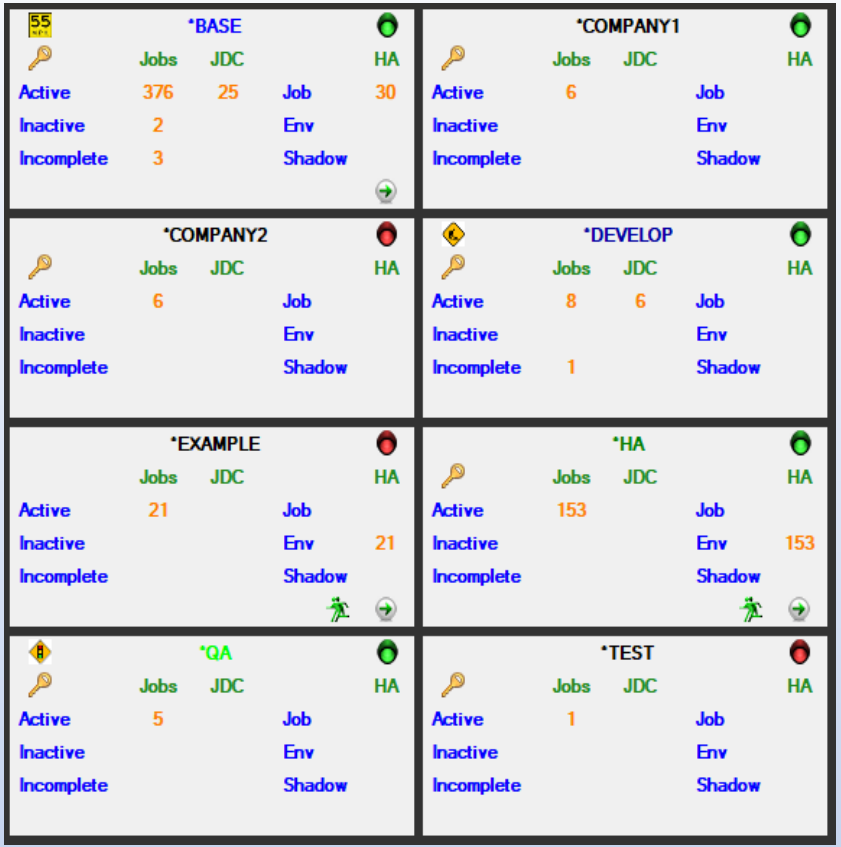
	Environment	Status	Security	HA	Job Events Active	Job Events Inactive	Job Events Incomplete	Job Day Codes Active	Job Day Codes Inactive	Job Day Codes Incomplete	HA Job	HA Environment	Description
1	*BASE				376	2	3	25			30		
2	*COMPANY1				6								Company 1 Environment.
3	*COMPANY2				6								Company 2 Environment.
4	*DEVELOP				8		1	6					Development Environment.
5	*EXAMPLE				21							21	Example Job Events.
6	*HA				153							153	High Availability Job Events.
7	*Q&A				5								Quality & Assurance Environment.
8	*TEST				1								Self Test Environment.

	Environment	Status	Security	HA	Job Events Active	Job Events Inactive	Job Events Incomplete	Job Day Codes Active	Job Day Codes Inactive	Job Day Codes Incomplete	HA Job	HA Environment	Description
1	*AUS_PROD				60								Australia Production.
2	*BASE				483	30	1	7			2		Scheduler Default Environment.
3	*COMPANY1				5								
4	*COMPANY2				5								Company 2 Environment.
5	*DEVELOP				15								Development Environment.
6	*EXAMPLE					21							Example Job Events.
7	*HA					153							High Availability Job Events.
8	*NZ_PROD				61								New Zealand Production.
9	*Q&A				15								Quality and Assurance Environment.

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.



Runs on a Laptop through to a Mainframe.

For more details contact – Alex.Rodriguez@Revsoft.com

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

Time Zones are all User Defined and can be Geographical or Logical.

µs

All metrics are at microsecond level – millionth of a second.

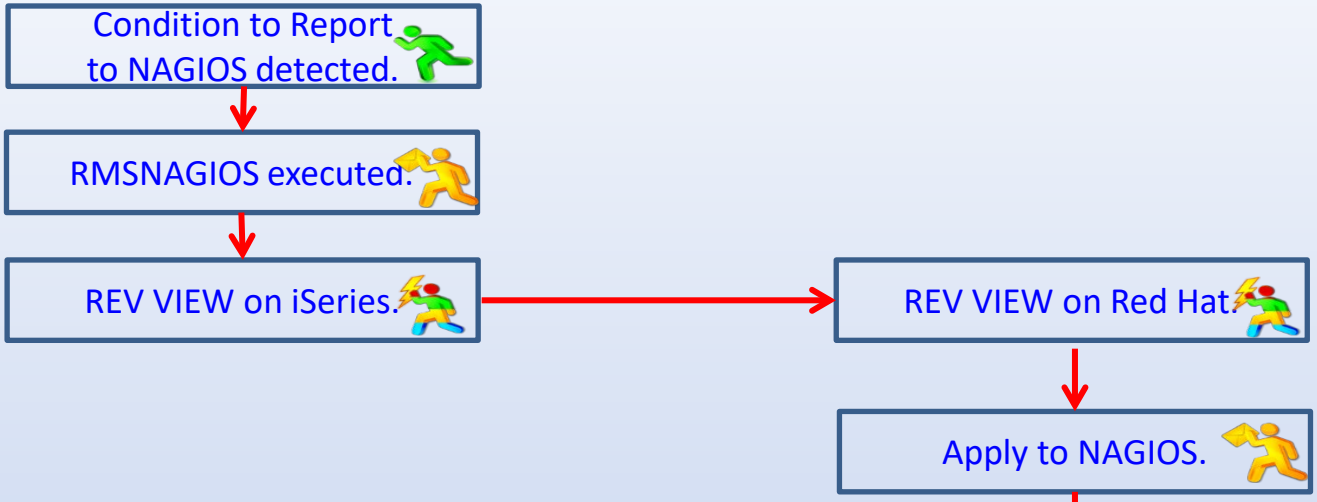
Deutsch
English
Español
Francais

As all Forms labels are stored in a Dictionary you can change just your session to another language.

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.



Host	Service	Status	Last Check	Duration	Attempt	Status Information
REVSOFT_LAB_01	ISERIES_DASD_CHECK	OK	04-09-2014 10:00:23	3d 22h 30m 1s	1/1	DASD is OK - 54.4913%
	ISERIES_MSG_HARDWARE	OK	04-02-2014 10:54:47	6d 23h 10m 30s	1/1	All OK
	ISERIES_MSG_PENDING	WARNING	04-09-2014 10:00:23	0d 0h 40m 10s	1/1	There are - 8 *PENDING Messages.
	ISERIES_OBJECT_DETECTED	OK	04-09-2014 10:00:39	1d 0h 28m 8s	1/1	Detected:/qsys.lib/revsch.lib/-GRP651324-.DTAQ
	ISERIES_SCHEDULER_ERROR	CRITICAL	04-09-2014 10:03:58	6d 3h 59m 57s	1/1	Job Event JOBS_WITH_BAD_CALLS(*BASE) ended abnormally with a status of AC.
	ISERIES_SUBSYSTEM_QBATCH	OK	04-09-2014 10:00:13	7d 18h 56m 30s	1/1	QBATCH is active.
	ISERIES_SUBSYSTEM_QPGMR	OK	04-09-2014 10:00:23	6d 23h 50m 11s	1/1	QPGMR is active.

Runs on a Laptop through to a Mainframe.

For more details contact – Alex.Rodriguez@Revsoft.com

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

Bill of Materials Order.
LINUX or WINDOWS.

WINDOWS Server.

Detect & Send Order
to IBM i.

Order Received.

Process in JDE E1.

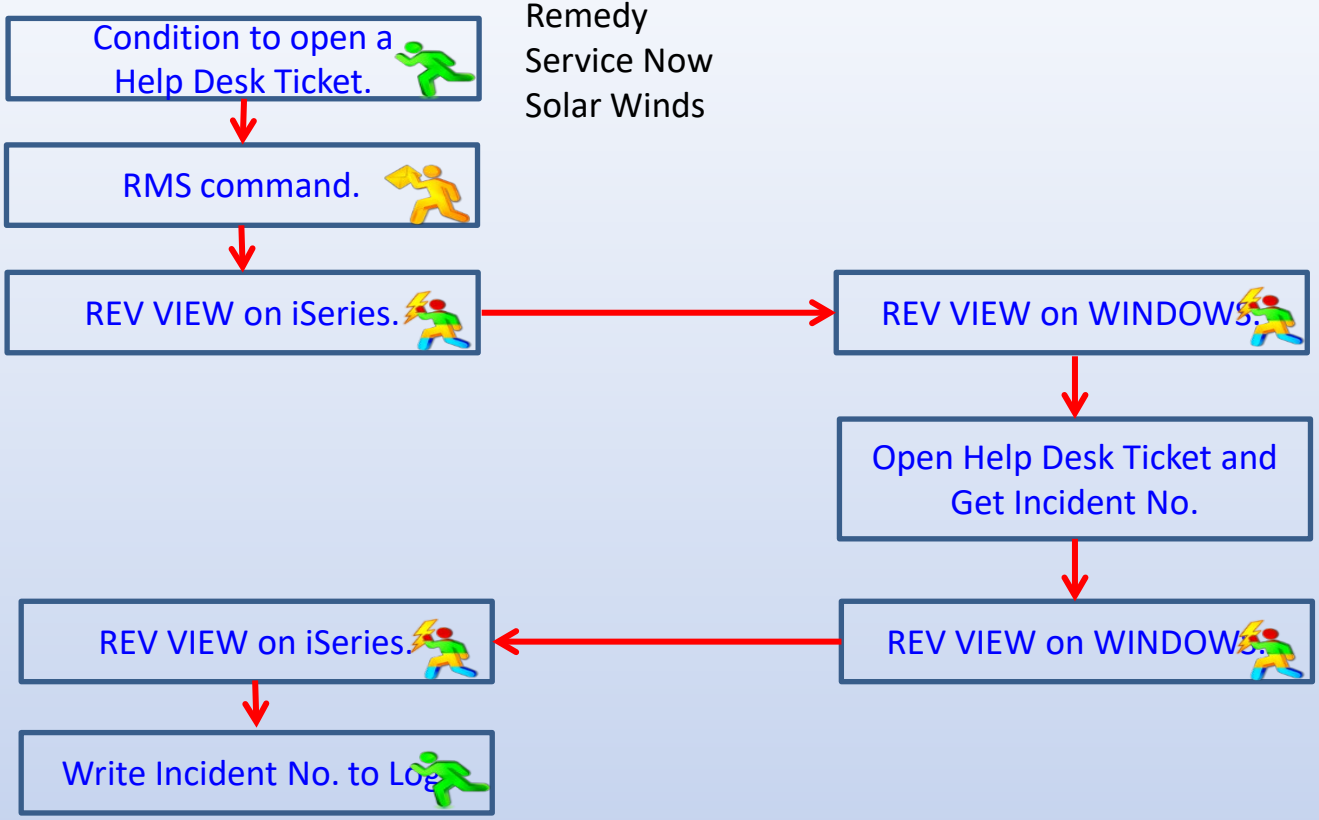
Runs on a Laptop through to a Mainframe.

For more details contact – Alex.Rodriguez@Revsoft.com

RevSoft

Universal Scheduling Evolution

Scheduling is about Visibility, Accuracy, Speed and Efficiency.



Remedy
Service Now
Solar Winds

Runs on a Laptop through to a Mainframe.

For more details contact – Alex.Rodriguez@Revsoft.com

Scheduling is about Visibility, Accuracy, Speed and Efficiency.

Thank you for your time.

Universal Scheduling Evolution on IBM i