



ENTRINSICON
LEVEL UP!

September 26th-29th, 2023
Raleigh, NC

Informer 5 Job Administration

When, Why, & How, to run them

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- 1 How Jobs Function
- 2 Dos and Don'ts
- 3 When to Schedule Jobs
- 4 History
- 5 How to have a robust Job Queue

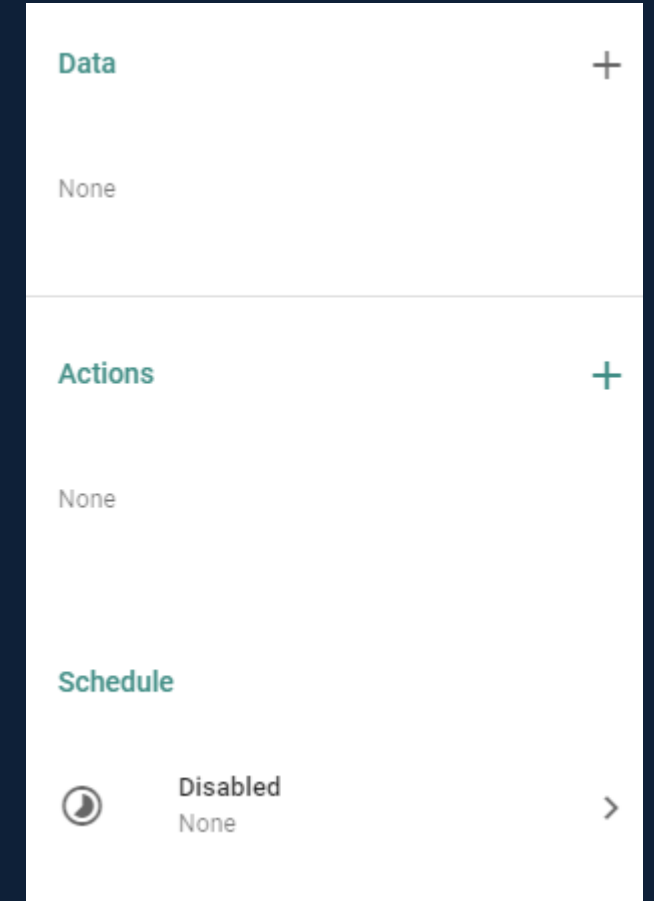
Job Q & A



What are Jobs

Automated Scheduled tasks for:

- Running Ad-hoc Queries & Refreshing Datasets
- Performing Actions with Curated data
- System Maintenance



Who is this for

- System and Application Administrators
- Informer Super users
- Informer Normal users with top level Job permissions

Data & Refreshing

Data options include Datasets & Ad-Hoc queries

- Refresh on Job run
- Dataset static data
- Ad-Hoc (idle time out)

Data



Entrinsicon Dataset
entrinsiconDataset



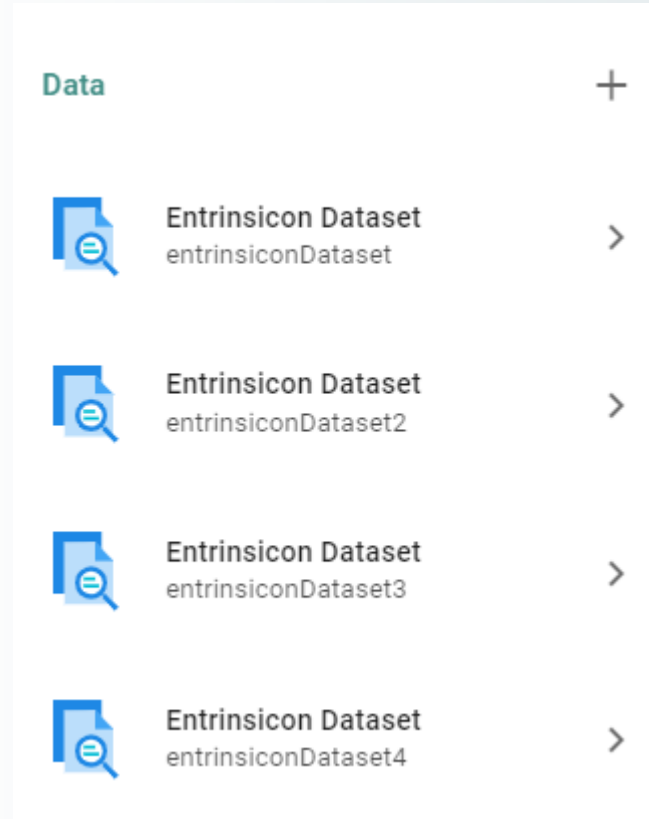
Entrinsicon Ad-Hoc
entrinsiconAdHoc



Data, Data, Data

A Job may have the same data element added multiple times.

Where duplicate data elements with various post query filters enable multiple unique Actions with one primary refresh.



Data Do and Do Not

The screenshot displays a data management interface. On the left, a sidebar contains a 'Data' section with a plus sign and a list of four 'Entrinsicon Dataset' items: 'entrinsiconDataset', 'entrinsiconDataset2', 'entrinsiconDataset3', and 'entrinsiconDataset4'. The first item is highlighted with a red box. Below the 'Data' section is an 'Actions' section with a plus sign and a 'Save to file system' action showing 'Write 0 files'. The main area on the right shows a large grey box with the text 'No data to show.' and a magnifying glass icon over a 'RUN QUERY' button. At the bottom right, a control panel includes a 'REMOVE' button, a play button, a dropdown menu with 'Refresh on Job run' (checked) and 'Take Snapshot on Job run' (unchecked), and a 'DONE' button. The 'Refresh on Job run' option is highlighted with a red box.

Refresh on Job Run

Primary top-most Data element

Order of Operations

Order of operations matter! Use them to your advantage.

- Job assets fire top down
 - Data
 - Actions

The screenshot displays a software interface with two main sections: 'Data' and 'Actions'. Each section is headed with a plus sign icon. The 'Data' section contains two items: 'Entrinsicon Dataset' (entrinsiconDataset) and 'Entrinsicon Ad-Hoc' (entrinsiconAdHoc). The 'Actions' section contains five items: 'Save to file system' (Write 0 files), 'Send an email' (0 recipients), 'Send an email burst' (Field:), 'Send to FTP' (Upload 0 files), and 'Export Saved List'. Each item has a right-pointing chevron icon.

Section	Asset Name	Asset ID
Data	Entrinsicon Dataset	entrinsiconDataset
	Entrinsicon Ad-Hoc	entrinsiconAdHoc
Actions	Save to file system	Write 0 files
	Send an email	0 recipients
	Send an email burst	Field:
	Send to FTP	Upload 0 files
	Export Saved List	

Actions

Getting data out of Informer 5.

When to use one Action over another other.

Save to file system

Send an email

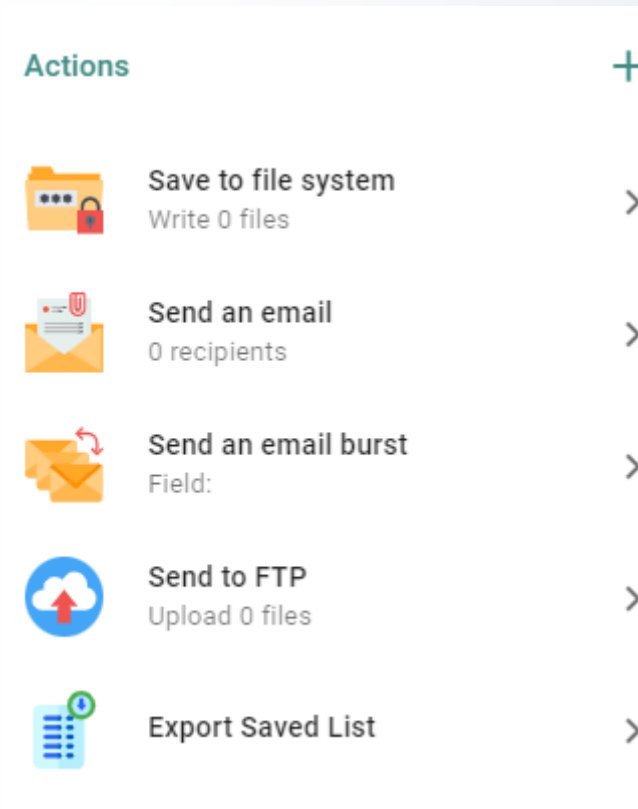
Send an email burst

All data

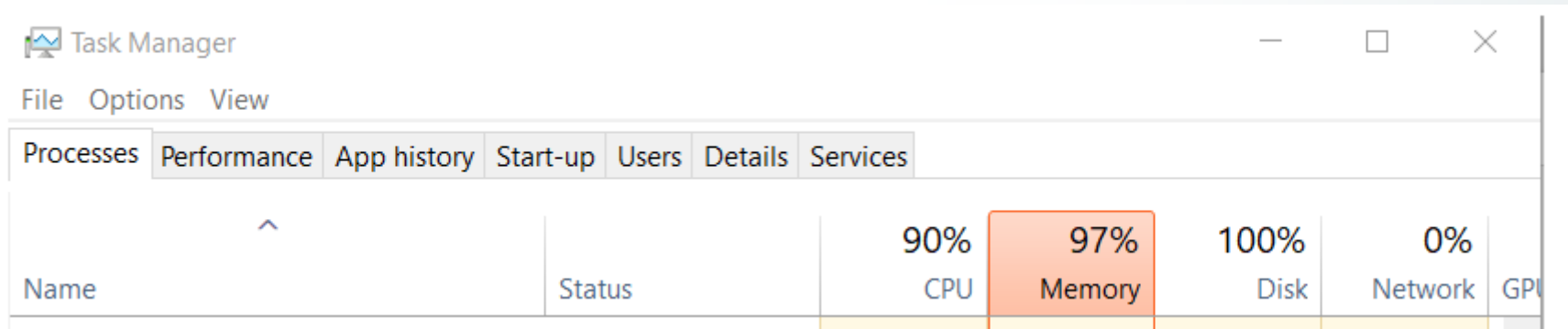
User data

Send to FTP (SFTP)

Export Saved List (U2)



Single Job Load



One Job can do many things, but it shouldn't always.

Logically create multiple Jobs based on.

- When they need to be delivered
- Required Actions for one Query
- Long running refreshes

When to Run Jobs

Data Need & Changes

Frequency & Off Peak



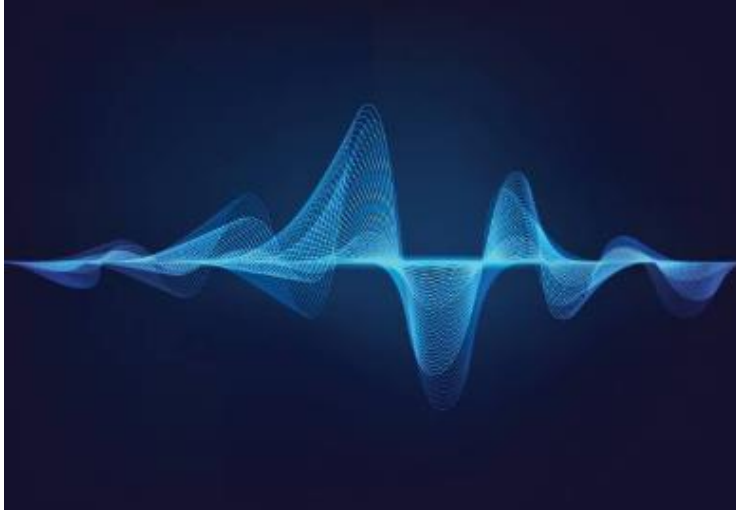
When and how often should a particular Job fire?

Configure Job run time intervals based on need and when the data is expected to change.



Considerations on When to run Jobs Cont.

Frequency & Off-Peak



When cont. - Considering Other Scheduled Jobs

Everyone needs their data, but we can't all get there at the same time. Let's talk spacing fire intervals around other Jobs.



Long Running Jobs?

Job duration has a strong correlation to how performantly the Datasource can process the query.

Consider how long they would run at the Datasource console and omit localized performance variables like SQL Views and U2 Virtual fields.

Running Job: Entrinsicon 2023

Running Job: Entrinsicon 2023

Running Query...





Streaming...

RUN IN BACKGROUND

Job History



History







History				
<input type="text" value="Search"/>				
Started	Run by	Duration	Result	
Sep 12, 2023 at 7:30 PM CDT	 System Administrator	9.25s		
Sep 12, 2023 at 7:29 PM CDT	 System Administrator	9.80s		

History Results

Job progress

The Job failed. Find the status of each action below.



-  **Invoking job endpoint**
Running
-  **Refreshing data: Northwind Orders Sept...**
Refreshed 2155 Records
-  **Exporting northwindOrdersSept.csv**
-  **Writing Custom text file...**
-  **Uploading Files...**
Error: connect ECONNREFUSED 127.0.0.1:21 (control socket)
-  **Job 'Entrinsicon 2023' failed with an error.**
Error: connect ECONNREFUSED 127.0.0.1:21 (control socket)



Statuses and Sorting the Job Page

Job ↑ ▾ Description ▾ Status ▾ Next Run ▾ Last Run ▾ Running Time ▾ Interval ▾

Scheduled

Running

-Max Concurrent Jobs

Queued

Disabled

Jobs Top-Level Permission

Update User System Role and Permissions

- Super User
Administrator access to all parts of the system regardless of Team-based security
- Normal User
No special privileges outside of Team-based security



Job Creation
Ability to create and schedule a Job on accessible content

Painless Script Creation
Ability to create a new Dataset Field using Painless scripting

View all Teams
Ability to see the list of Teams in the system on the top navigation.

View all Users
Ability to see the list of Users in the system on the top navigation.

System Cleanup

Job ↑	Description ↓
 Auto Snapshot Cleanup	Permanent Job to automatically purge expired Snapshots. This Job cannot be deleted.
 Auto System Cleanup	Permanent Job to automatically purge orphaned and expired index data. This Job cannot be deleted.



Most Common Job Conflict





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Q & A



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Thank You