

UI Spec Consera Quartet-Monitor (job monitor area)

Feature: Monitor

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1. Introduction

1.1 Overview and Background

This document is intended to describe Monitor, one of the main functional areas of Consera Quartet. Consera Quartet is a web based application that is broken out by primary functional areas. The UI should be accessible remotely. The framework begins in the functional area of Monitor. This will be the home page for v1. From the home page the users can navigate to the other functional areas contained in the product.

For more information about the product shell see: [UI Shell \(framework\) spec](#).

\\Consera1\scratch\marketing\PM\UI_Quartet_Shell_Spec.doc

2. Glossary of terms

2.1 Glossary of common terms

The following terms are used throughout this document and need clear definition.

The following terms are used throughout this document and need clear definition.

Administration - (it has been decided that this area will be separate form the basic UI, but will use the same framework as the rest) – This will be where the user “possibly” is able to access user created resource data csv files.

Help - (one of the proposed functional areas) – This area is currently a low priority area-Needs to be defined, the current assumption is for v.1 that internet exposed, “title search” based help will be used.

Joblist – A list of jobs as they are displayed in the data grid as viewed from the choices “all jobs” and “my jobs”. These selections are available from the Monitor functional area.

Manage - (one of the proposed functional areas) – This area of the UI will have views of resources available.

Monitor - (one of the proposed functional areas) – This area of the UI will contain features to create, terminate, re-schedule, save, delete, and get status of jobs. This is the home area for Quartet where the status of jobs is monitored.

Operations – Is a sub set of a solution. For example, The Solution File Services, has an Add, Move and Copy operations

Primary functional areas - The 3 main functional areas of Consera Quartet. The current proposal for the areas are, Monitor, Manage and Help.

Product Shell - product shell is the framework UI. This document describes Monitor, which is one of the primary functional areas.

Solutions – A Solution is a set of operations grouped together and typically dealing with a focused set of problems. V1 will ship with two solutions: Machine Lifecycle Management and File Services.

Related Documents

[Functional Specification](#)

[Shell UI Specification](#)

[Move UI Specification](#)

3. Monitor UI

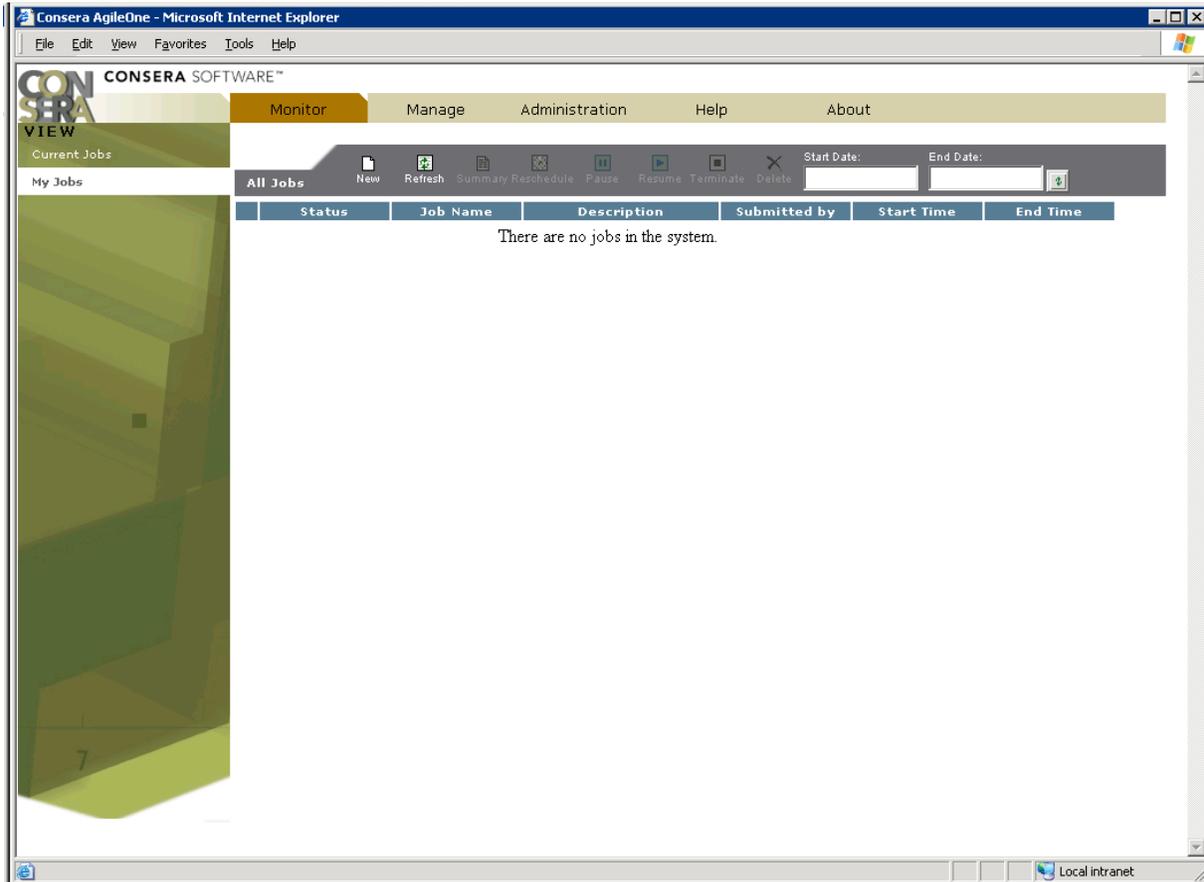
3.1 Current Jobs

This is the main screen of Consera Quartet. It displays "All Jobs" by default, and is the starting point of work when a user launches Consera Quartet.

See the Shell UI spec for information about the framework.

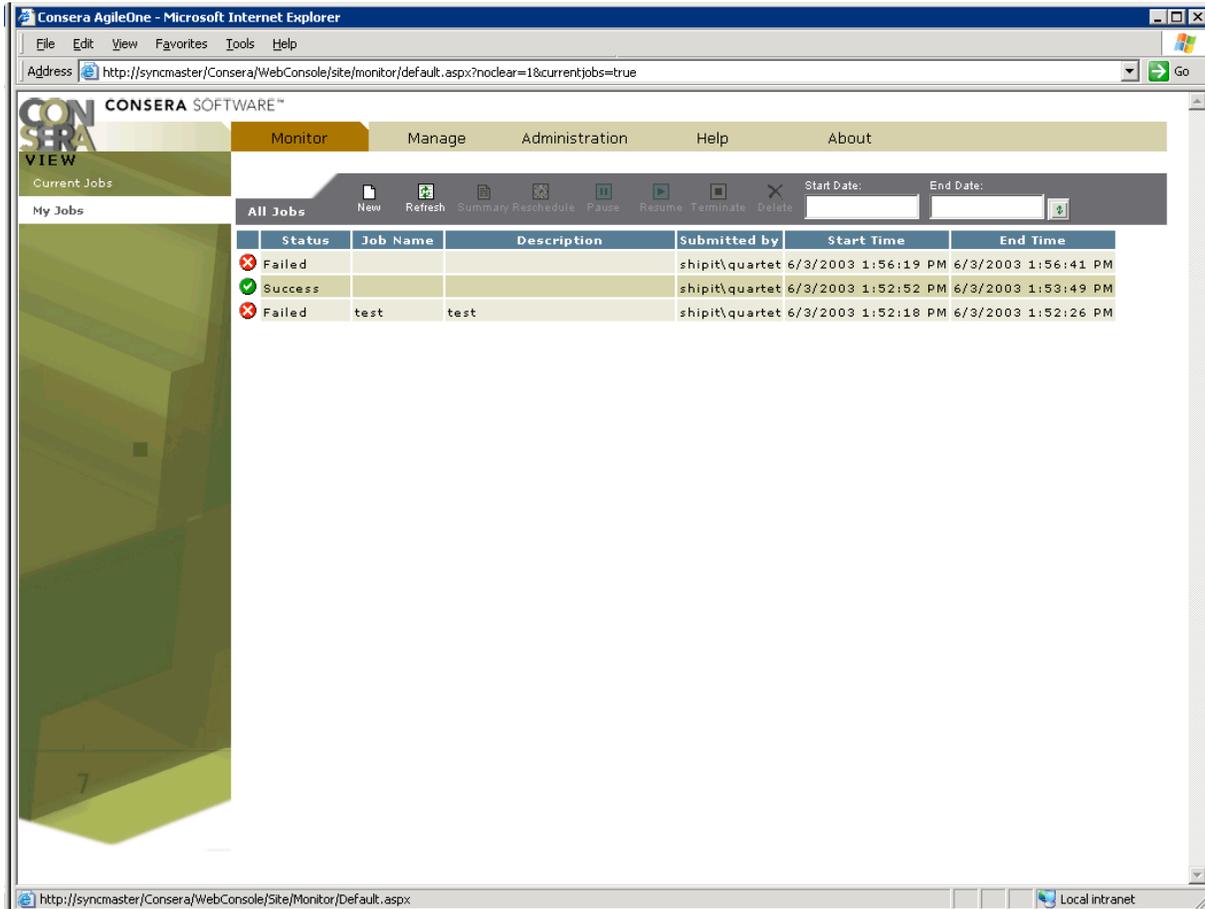
file://Consera1/scratch/ProductMgmt/Specs/QuartetUI/V1_UISpecs/Shell/Consera_Quartet_UI%20Shell_Spec.doc

The default view for the first time use:



The first time a new user enters the software, the only action that they are able to perform is to create a new job. If the user clicks on "new job" in the joblist toolbar, or right clicks in the joblist area they are able to select "new job". This takes user to the Manage functional area for the user to create a "new job"
See: \\Consera1\consera\scratch\marketing\PM\UI_Quartet_Move_Spec.doc

Default view for subsequent uses of software (not first time).



Focus is on the "My Jobs" in the left hand navigation. My jobs is the default view for Monitor. It displays only jobs submitted by the current user.

3.1.1 "Sub" jobs

The user can also "expand" a job in the joblist. Clicking on the  icon in the status column of the joblist will display all the sub jobs that the system must perform to complete the job.

| Status | Job Name | Description | Submitted by | Start Time | End Time |
|--|----------------|---|----------------|---------------------|---------------------|
|  Failed | Jc test | subjobs | shipit\quartet | 6/3/2003 2:17:53 PM | 6/3/2003 2:20:10 PM |
|  Failed | Jc test | subjobs | shipit\quartet | 6/3/2003 2:17:53 PM | 6/3/2003 2:20:10 PM |
| Success | FileShareMove5 | FileShareMove: share391949 from NEWZION to REPS | shipit\quartet | 6/3/2003 2:18:00 PM | 6/3/2003 2:20:09 PM |
| Success | FileShareMove4 | FileShareMove: share391143 from NEWZION to REPS | shipit\quartet | 6/3/2003 2:18:00 PM | 6/3/2003 2:20:10 PM |
| Success | FileShareMove3 | FileShareMove: addashare0528 from NEWZION to REPS | shipit\quartet | 6/3/2003 2:17:59 PM | 6/3/2003 2:20:10 PM |
| Success | FileShareMove2 | FileShareMove: HenryTest2 from NEWZION to REPS | shipit\quartet | 6/3/2003 2:17:59 PM | 6/3/2003 2:20:10 PM |
| Success | FileShareMove1 | FileShareMove: HenryTest1 from NEWZION to REPS | shipit\quartet | 6/3/2003 2:17:58 PM | 6/3/2003 2:20:19 PM |
| Success | FileShareMove0 | FileShareMove: codeshare1 from NEWZION to REPS | shipit\quartet | 6/3/2003 2:17:57 PM | 6/3/2003 2:20:10 PM |

Once selected the sub jobs are displayed. The column "submitted by" will be the same for the parent job and the sub job.

The "status" field will display the status of the sub job.

The "job name" field will display the name of the sub job in relation to the parent job.

The "description field" will display the summary of the sub job.

The "start time" will display the starting time of the sub job.

The "end time" will display the ending time for the sub job.

Clicking the ☐ icon will collapse the tree back to it's original state.

3.1.2 Joblist column headings

The list of jobs in the system, "joblist" is displayed in 2 different views. "Current Jobs" and "My Jobs".

The columns for the views are:

Status Icon-Visual display of job status.

Status-Displays live status of the job, this is updated every 5 seconds. This Column is unique from other columns as it displays plus icon if there are multiple sub jobs that are included with the job. It also displays the status icon, and the textual description of the status.

Name-The user provided name of the job. It does not have to be unique.

Description- User generated field. 75 characters maximum. This is the only field where the text will wrap.

Submitted by-The person that created, and submits the job

Start Time-The time and date that the job is scheduled to start, or was started. The format is DD/MM/YY HH:MM am/pm. In other words the date followed by the time.

The user's systems setting for time and date will override Quartet's settings.

End Time-Time the job completed or terminated.

3.1.3 Joblist Column Headings tooltips

"Click on heading to sort items in ascending order", then switch to "Click on heading to sort items in descending order", depending on the current sort.

⇒ [This feature is at risk for B2](#)

3.1.4 Joblist column sorting

The default sort order of the job list is "start time".

Sorting is done by clicking on one of the column headings.

Clicking on any of column heading sorts the entire joblist by the data in that column in ascending order.

Clicking on the heading again re-sorts the column in descending order. The sorting is alpha numeric, except for "start" heading, which sorts by date and then time, and the "status" heading which is defined below.

Sorting is persistent during a single session of the software.

Job sorting is by top level jobs only. Sub jobs sorting provided by quartet, and is not user definable. The sub jobs will be sorted by the end time.

⇒ [This feature is at risk for B2](#)

3.1.5 Joblist column re-sizing

The columns widths are adjustable. The user may make them wider or narrower.

The adjustments are persistent during the session, but will return to the default size next time the application is launched.

The columns, other than description do not wrap.

The cursor for column sizing is 

⇒ [This feature is at risk for B2](#)

3.1.6 Status

Job in the list will have

| Status | icon | What it represents |
|---------------------|------|--|
| Success | | The job completed successfully |
| Failed | | The job Failed. **The TEXT will appear red. |
| Running | | The job is currently running |
| Terminated | | The job was stopped |
| Scheduled | | The job is scheduled to run at a future time |
| Waiting | | The job is waiting |
| Paused | | The job has been paused |
| Success with errors | | The job completed successfully with errors |

3.1.6.1 Sort order for status for status column

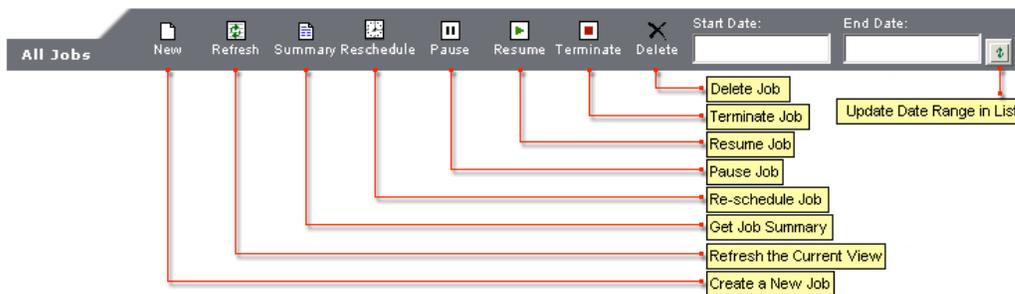
Clicking on the status heading will sort in the following order.

- Failed
- Terminated
- Waiting
- Success with Errors
- Success
- Running
- Scheduled

3.1.7 Joblist Toolbar

The Toolbar icons will be selection sensitive depending on the status of the job that is currently highlighted in the joblist. When there is no selection in the job list, as when you enter the page, all the icons are in the "disabled" state except new and refresh.

3.1.8 Joblist Toolbar Icon Tooltips



3.1.9 Joblist toolbar icon definitions

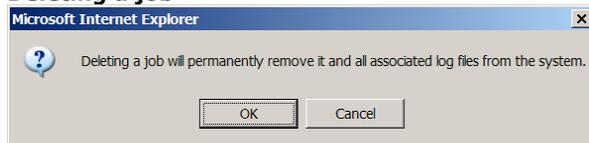
| Title | icon | tooltip | Selection based | Description |
|---------|------|-----------------|-----------------|--------------------------------|
| New | | Create new job | no | The job completed successfully |
| Refresh | | Refresh joblist | no | Refreshes tree |

| | | | | |
|-------------|---|---------------------|-----|---|
| Summary |  | Get job summary | no | Opens the summary page for the selected job |
| Re-Schedule |  | Re-schedule job | yes | This is only active when a job has already been scheduled to run. This allows the user to change the time to a different time in the future |
| Pause |  | Pause Job | yes | Pauses the selected job |
| Resume |  | Resume Job | yes | Resumes Paused job |
| Delete |  | Delete selected job | yes | Deletes selected job- TBD may appear in context menu only. Error See details below. |
| Terminate |  | Stop Job | yes | Stops a job, but keeps the information in the system. - TBD may appear in context menu only. Error TBD |

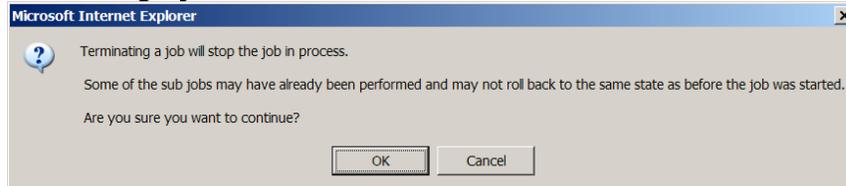
3.1.10 Job Errors

In the Monitor UI there will be 2 instances where a user will get a warning message.

Deleting a job



Terminating a job



⇒ [At risk feature](#)

3.1.11 Joblist toolbar icon states

| Joblist toolbar icon states | | | | | | | | |
|-----------------------------|--------|---------|-------------|---------|-----------|----------|----------|----------|
| Status of Job | New | Refresh | Re-Schedule | Summary | Terminate | Delete | Paused | Resumed |
| Success | active | active | disabled | active | disabled | active | disabled | disabled |
| Failed | active | active | disabled | active | disabled | active | disabled | disabled |
| Running | active | active | disabled | active | active | disabled | active | disabled |
| Terminated | active | active | disabled | active | disabled | active | disabled | disabled |
| Scheduled | active | active | active | active | disabled | active | disabled | disabled |

| | | | | | | | | |
|--------|--------|--------|----------|--------|--------|----------|----------|--------|
| Paused | active | active | disabled | active | active | disabled | disabled | active |
|--------|--------|--------|----------|--------|--------|----------|----------|--------|

3.1.12 Date range

To change the range of dates that are displayed in the joblist, the user simply enters the start date, and end date fields in the inline date range picker.



Once the user enters the dates, clicking the refresh button to the left of these fields will refresh the list and display jobs that fall during the entered range.

⇒ [Date picker At Risk feature](#), will not be implemented for B2 and at risk for V2.

3.1.13 Actions that can be performed on the joblist

3.1.13.1 Selection based actions

Actions for an individual job that is selected from the joblist...

Once selected, you will be able to perform these actions on a job by either selecting the icon from the toolbar, or right clicking to use the context menu:

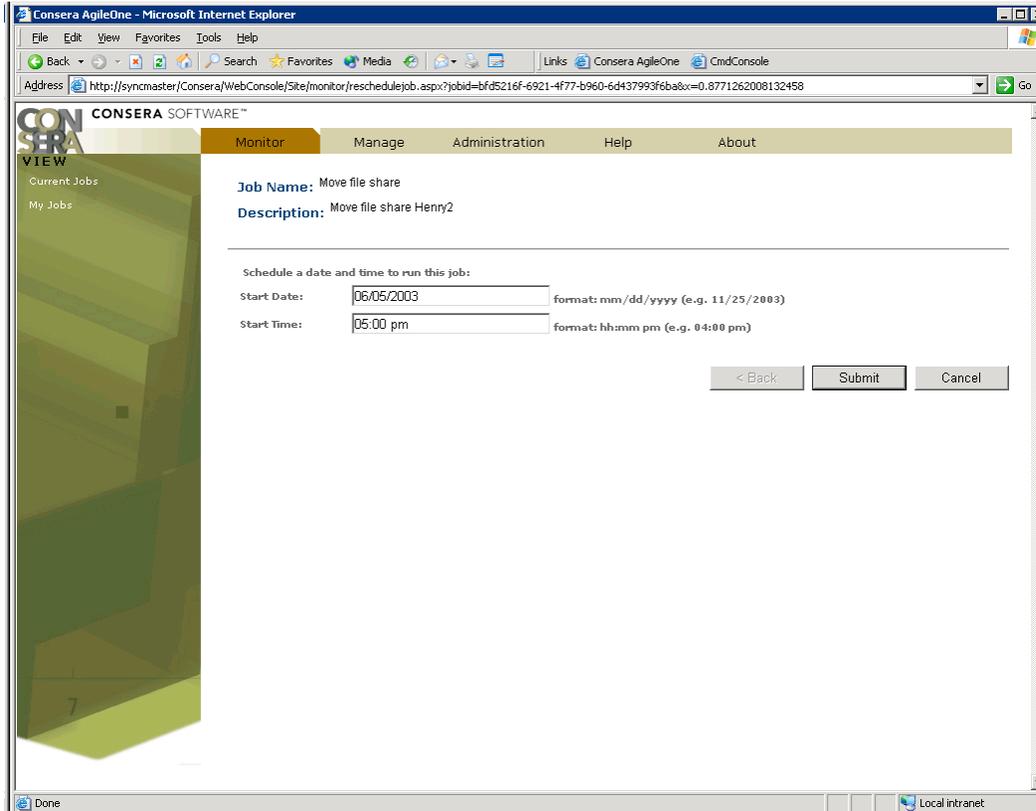
Summary – This will launch a new browser window displaying the summary information of the selected job.



This "Summary screen" would open up in a new browser window. There could be more than one summary screen open at one time.

Clicking on the "Log file" button will open up the log file.

Re-Schedule – This allows the user to change the time a scheduled job is set to run. This feature is for one case only for v1 and does not allow for multiple runs. If the user selects to re-schedule a job they will be taken to the schedule screen. This screen is the screen that that they used when scheduling the job originally. It is explained in more detail in the



The user may change the date and/or time in the screen above. The time and date the job is scheduled to run should be filled in by default from the scheduled job. The fields may be edited for another date and time in the future. Clicking the “submit” button the save the changes. The user will then be taken back to the Monitor UI. The job that the changes were made “to”, will be the job that has focus in the joblist.

Terminate-This will stop a job in progress.

⇒ [See FS for more in depth description](#)

Delete-This will delete the job from the system

⇒ [Need to describe rollback process, see FS for more in depth description.](#)

3.1.13.2 Non selection based actions

Actions that affect the entire joblist, regardless of the status of the selected job in the joblist, or if there is no selection in the joblist at all.

Refresh - Refreshes tree and updates data

New – Takes the user to the “Manage” area to create a new job (see Manage UI Spec)

Change the date range of view – Allows user to define the range of the view that is displayed in the joblist.

3.2 Current Jobs

Selecting Current jobs will display all the jobs in the system, up to 100 jobs. The default display is one week in the future and one week in the past. The user can control the date range by using the date picker as defined in section 3.1.12.

3.3 Joblist context Menu's

When an item in the joblist is selected, the user may right-click to view the context menu. The basic menu is as follows:

Pause would be a toggle on and off, and would display with a check mark next to it to indicate is was currently on.



The states would be the same as the joblist toolbar icon states.
See section "3.1.11 Joblist toolbar icon states" earlier in this document.

4. Issues (shoes)

4.1 Work in process

Tab order-left to right top to bottom
Joblist column scaling
Joblist column heading tooltips

5. Opportunistic Features

Possible ECRS for V2

Monitor-rename job

Monitor - summary fixes

1. The Job summary screen **must** contain a "Job Summary".
2. The job log **must colour** error messages in the job log **red**
3. The job log **must** support copying of the contents so that the contents can be pasted into an email message or other documents.
4. The job log **should** be available on the job summary screen without the need to open another window.

Monitor - Child job arrangements

1. Line up status title, the indentation makes them appear to belong to the job above
2. Alternate color coding by job and all it's sub jobs, instead of everyother line
3. Bold the font on the parent job

Monitor-right click menu's for job list

Low - Monitor-edit job (scheduled only)

Low - Monitor-copy job

Medium - Monitor-reschedule, fields for date and time pre-populated

Monitor and schedule, calendar pop-up and time spin box

Medium - Monitor-Properties

Low - Monitor-Step by step progress

Yup these babies were cut, but I can't seem to get rid of them completely, and we may re-visit them, so I stuck 'em here.

Summary page- log types, Log file, audit file, bug file.

Cumulative summary

Email notifications ☺

Find



Saved Jobs

Saved Jobs

Status-Displays live status of the job, this is updated every 5 seconds. This Column is unique from the rest as it displays the icon, and the textual description of the status.

Name-The is the user provided name of the job. It does not have to be unique.

Description- User generated field. 255 characters.

Job ID-System generated number that is unique for each job

Created by-The person that created the job

Start-The time and date that the job is scheduled to start, or was started. The format is DD/MM/YY 00:00 am/pm. In other words the date followed by the time.

Stop-Time the job completed.

⇒ [Edit](#)

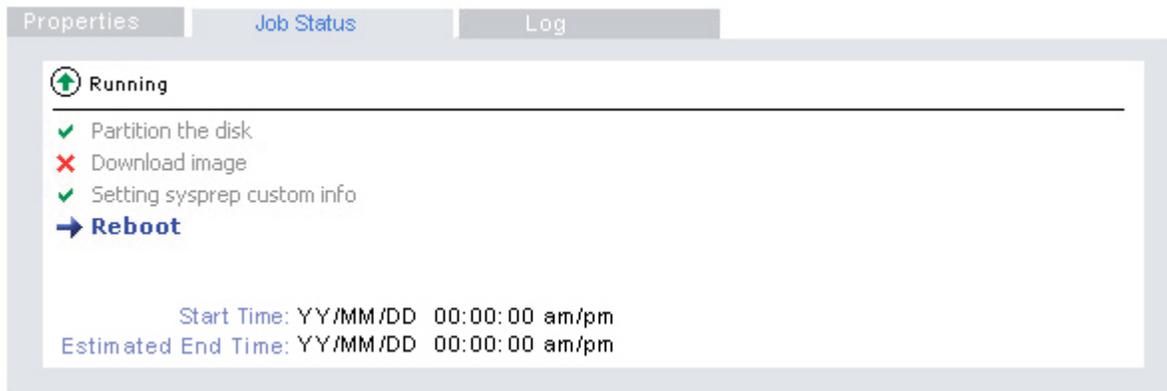
Edit, this allows the user to edit a selected job

There are 3 propose views, available by selecting the tab bearing the title. These views are detailed below.

5.1.1.1 Step by Step Status

This area is TBD depending on engineering resources

Status UI. This area will show the step by step status of a job.



⇒ [Waiting for feedback from engineering for the status, and displayed information for this feature.](#)

RENAME
EDIT

