Job Management

Customer Release Notes

Version 9.3

advanced

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Job Manager 9.3

Development of Job Manager version 9.3 is now complete and was released in October 2024.

Job Manager 9.3 includes fixes, enhancements, security improvements and new functionality.

What's new

This section describes the new or improved features we have introduced in this release and key fixes and improvements.

Job Manager 9.3

NEW [JM-22630] Add Tooltip for failed login attempt count

NEW [JM-22359] Upgrade Apache Tomcat 9.0.X (the version we certify / support in the JM Product)

NEW [JM-22047] Annotate Image - Asset Manager - Support Adding Markers to the Asset with Markup Attributes

NEW [JM-21869] JTB - Ability to set default value of TEXT / TEXTAREA to > 250 chars

NEW [JM-22614] Single Sign On and Multifactor Authentication using Advanced Identity

NEW [JM-22601] Improve the JM Reporting Schema to include Assets, Asset attributes and Asset lines

NEW [JM-22194] Add a new WebService request with the ability to extract Stock details

NEW	[JM-22193] Add a new WebService request with the ability to configure and set a new Job Type
FIXED	[JM-21118] Dialog menu displays to users need to be updated
FIXED	[JM-22673] JClient: Improved handling of sub job lines of read only header job lines
FIXED	[JM-22634] Error uploading large image from jClient
FIXED	[JM-22536] Operative activity costs not picked up on final costs on Work Hub Repairs
FIXED	[JM-22432] JM - Control Centre - Appears to be no way to unlock a locked out user account via the Control Centre UI
FIXED	[JM-22421] Prevent setting of empty (null) values for NUMBER system properties via the cc UI.
FIXED	[JM-22287] External URLs no longer working as expected in JM.
FIXED	[JM-22286] J-Client - Asset Manager - If the Asset Tree has just the root node then clicking on any part of the widget apart from hamburger icon doesn't give asset details
FIXED	[JM-22205] Force Daily logout not working as expected

FIXED	[JM-22198] Delete Assets background service not purging orphaned attachments
FIXED	[JM-22189] Attachment is not loading up when viewing Job - JM Control Centre
FIXED	[JM-22038] Tenancy occupant details not updated
FIXED	[JM-22013] notifyGpsUpdate web service call issue
ISSUE	[JM-22690] Log4J 1.x found in several lesser used modules
ISSUE	[JM-22625] Disable Password Editing for Business Admin User in Control Centre
ISSUE	[JM-Various] Various PEN and Security Test Improvements
ISSUE	[JM-Various] Review and Fix the FOSSA security issues

A closer look

This section provides extended information on key features and fixes

New Features

JM-22630 - Add Tooltip for failed login attempt count

What have we done?

Changes have been made to the User Management screen to better support Administrators and users with the ability to manage users when reviewing locked accounts and completing password resets.

Why have we done this?

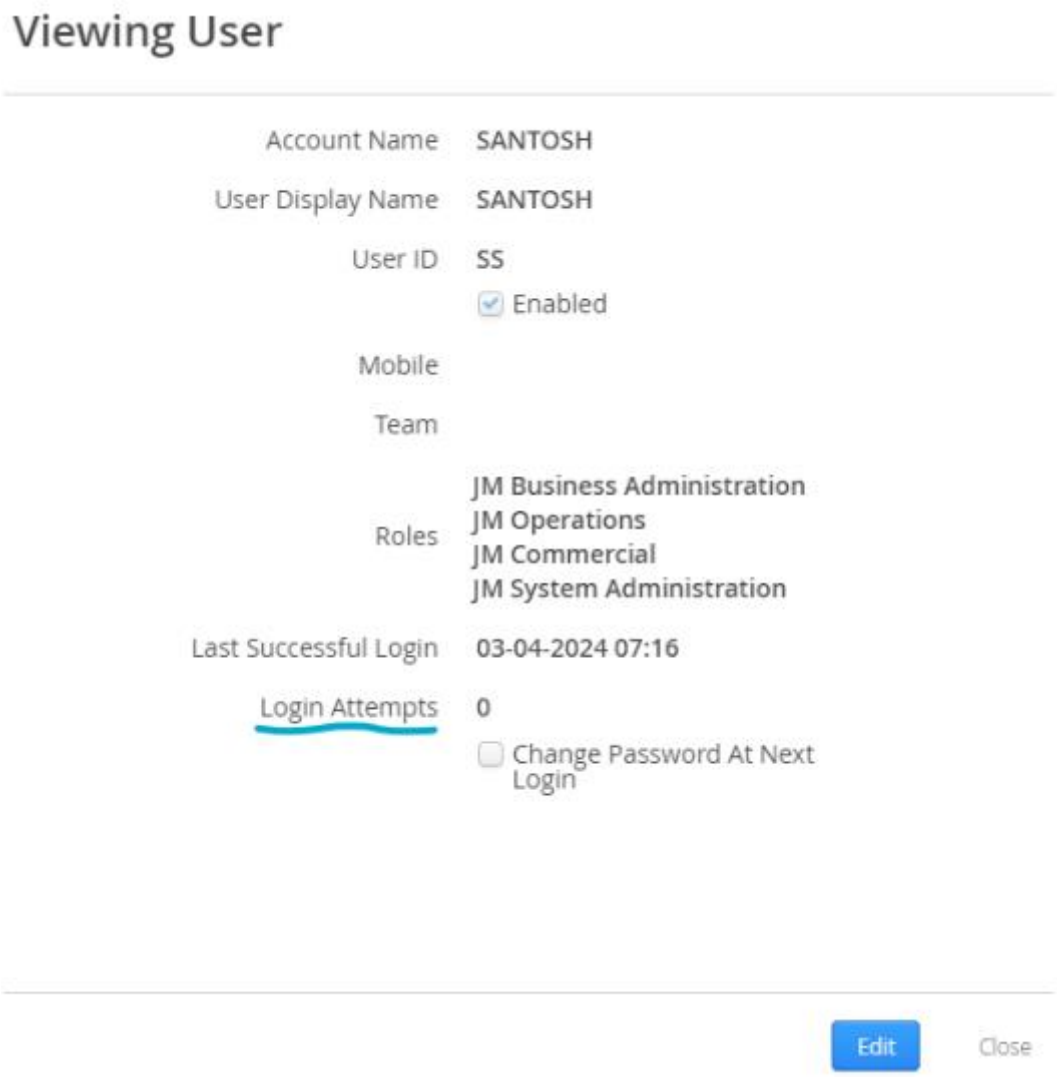
The lack of visibility of the amount of failed attempts since the last successful logon fails to support Administrators and users who can manage users adequately when considering the security of the Job Management solution.

How will you benefit?

Additional information will allow those who can manage users to make informed decisions

Details of the change

When viewing a configured user as a user with Administrator or User Management privileges, you will now be able to hover over the ‘Login Attempts’ label to be shown an improved tool tip that includes the number of failed login attempts since last successful login.


Viewing User
Account Name
SANTOSH
User Display Name
SANTOSH
User ID
SS
Enabled
Mobile
Team
Roles
JM Business Administration
JM Operations
JM Commercial
JM System Administration
Last Successful Login
03-04-2024 07:16
Login Attempts
0
Change Password At Next Login
Edit
Close

JM-22359 - Certify the latest Apache Tomcat 9.0.X

What have we done?

We have certified the latest version of Apache Tomcat to work with Job Management 9.3

Why have we done this?

Ensuring our product infrastructure is compatible with the latest releases of our core product maintains security, stability and performance.

How will you benefit?

Updated product infrastructure ensures your solution is taking advantages of all current fixes and is not effected by known security vulnerabilities

Details of the change?

Apache Tomcat 9.0.85 has been certified for use against Job Manager 9.3

JM-22047 - Annotate Image - Asset Manager - Support Adding Markers to the Asset with Markup Attributes

What have we done?

The Annotate Image functionality has now been improved to allow mobile users to add location markers with appropriate tagging to images and documents for uploading back to the server for back office review.

Why have we done this?

Adding the ability to add Markers, as well as Lines to images provides your users with the flexibility of being able to specifically identify detail to your back office for later review. The Marker object will allow uses to specifically tag locations within the image to highlight it for the end users attention.

How will you benefit?

Improved data responses from your mobile workers will limit the need for you to request further information from the mobile worker and increase the amount of working time they have to action your required daily tasks.

Details of the change?

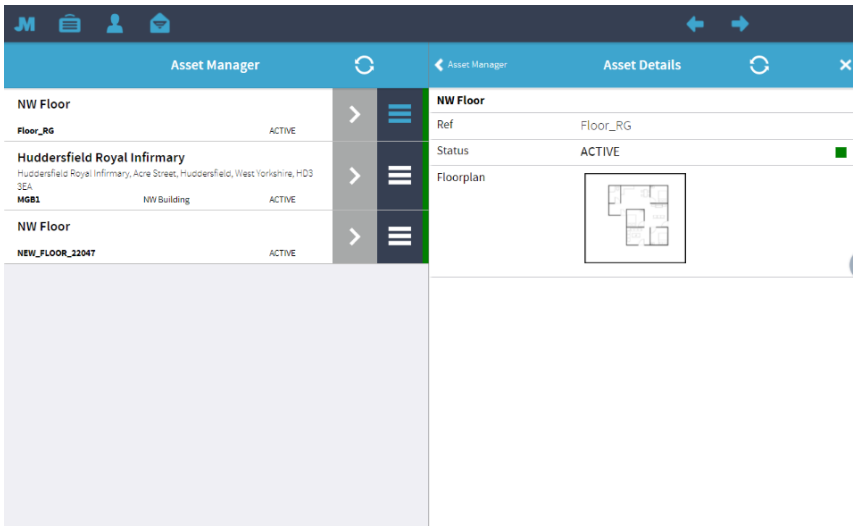
Previous versions of Job Manager introduced the ability to add Markup in the form of Lines to documents, images and files attached to Jobs. This markup allowed used to create annotation points which were then transferred to the Control Centre for review by back office staff.

This feature has been extended to include the ability to add Markers with associated notes.

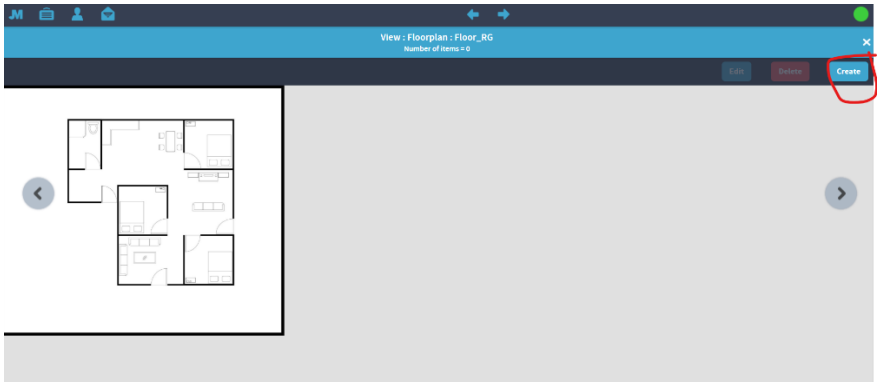
To use this feature;

On an asset with a markup attribute available, we can now select whether we want to draw a line or add a marker.

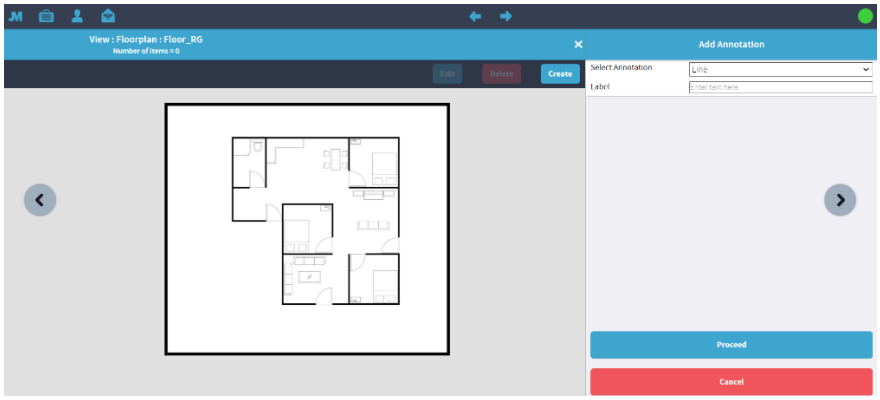
Open details of asset with markup attribute



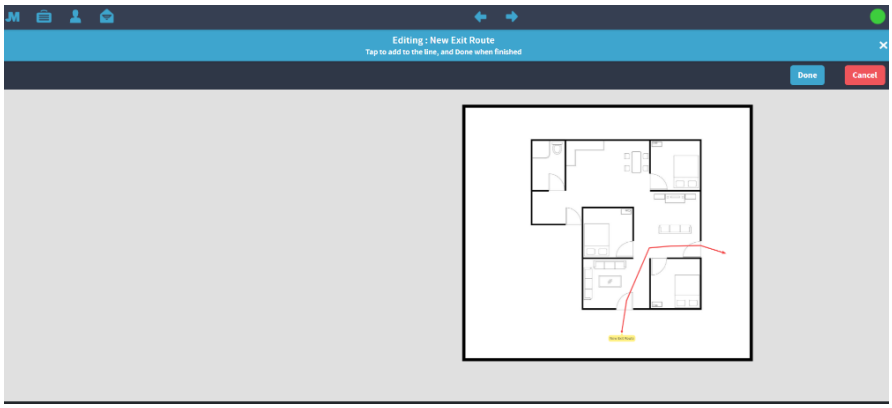
Click create



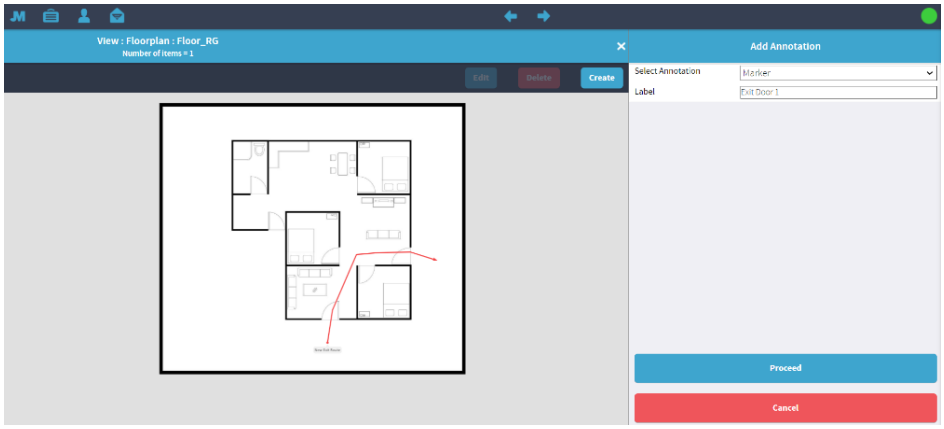
From the Select Annotation menu, select whether you need to add a Line, or a Marker.



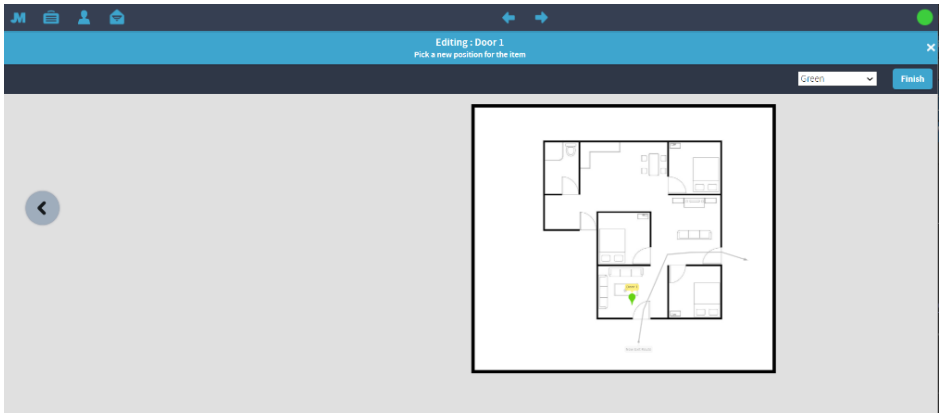
When Line is selected, the ability to create marker lines on your image will be available.



When marker is selected, you will be given the option to Label your marker with an appropriate and informative label.



Clicking within the canvas area will place your marker and label.



JM-21869 - JTB - Ability to set default value of TEXT / TEXTAREA to > 250 chars

What have we done?

The default value of the SIZE field within the setup of an attribute when using the Job Type Builder has been configured to allow a maximum of 4000 characters.

Why have we done this?

Inconsistencies between the Job Type Builder and core attribute definitions was causing confusion and problems for Administrators and those tasked with configuring new Job Types for the mobile worker.

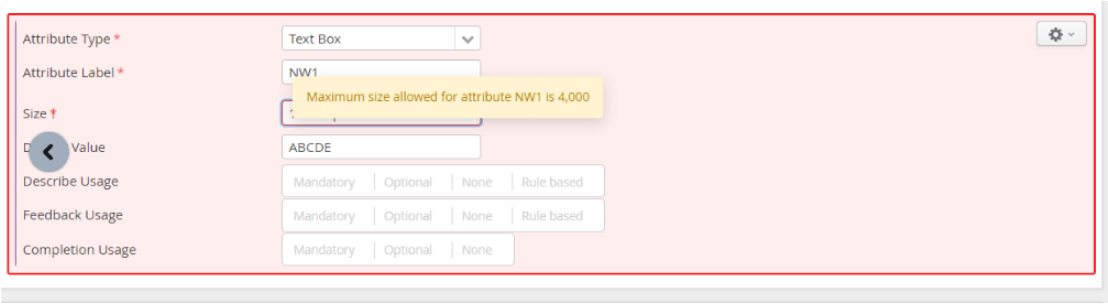
How will you benefit?

This improvement will limit the amount of confusion and error encountered by the users when making these changes.

Details of the change?

An improvement has been made to allow the Default Size for fields within Job Manager Job Type Builder to have a maximum field size of 4000 characters.

When hovering over the field, a tool tip will display to remind the user the available field length has been changed.



JM-22614 - Single Sign On and Multifactor Authentication using Advanced Identity

Job Management has been configured to allow for SSO and Multifactor Authentication, using Advanced Identity as the default authentication method. This can be enabled by default for Advanced Hosted customers at versions greater than 9.3. On Premise customers can elect to configure this functionality.

Common config

The following system properties will need to be set within Job Management

Property	Set To	Description
oidc.uri	uri of oauth service	
oidc.client.id	client id	
oidc.client.secret	client secret	
oidc.client.scopes	scopes to request	openid email profile
oidc.accountName.claim	claim to use as the user account name	email

Additionally the oauth service needs to be configured to redirect to

server url/oidc/callback

This is usually done by adding the URL to a whitelist in the oauth service.

To enable for the control centre login set the property

controlcentre.security.logonmode=OAUTH2

To enable for jClient

set the jclient config setting (using the cc UI setting->business->general->properties)

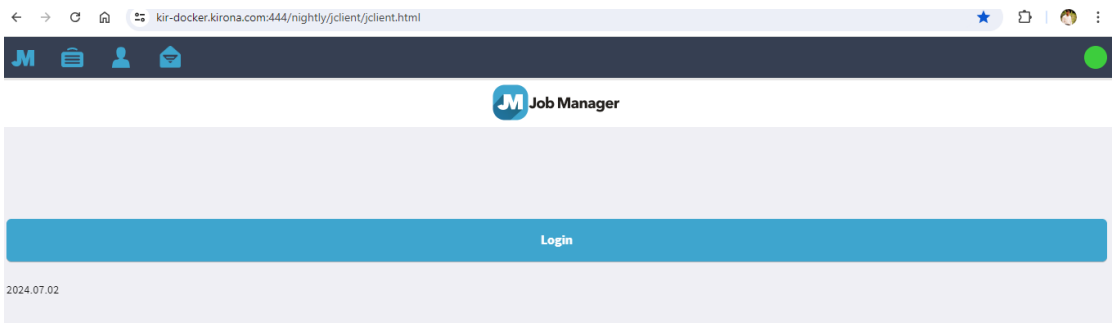
signInConfig.useOpenIdSignOn to true.

Additionally the following URLs will need to be whitelisted.

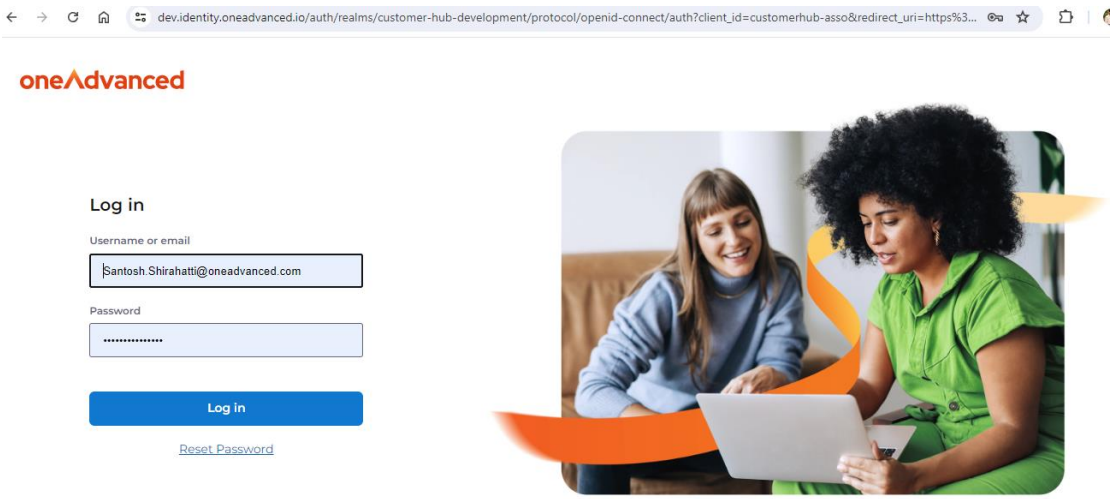
- server url/jclient/jclient.html
- server url/jclient/jclient_ios.html
- server url/jclient/jclient_android.html

How it works

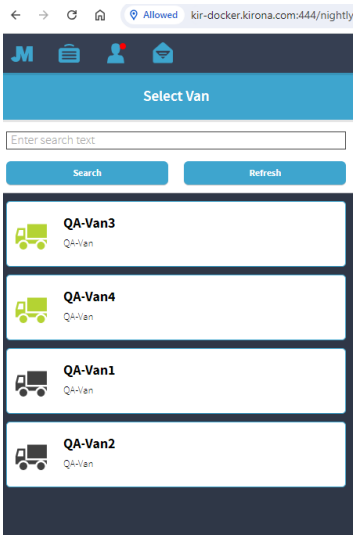
When the URL for Job Manager is accessed, the user will be shown a page with just a login button. The Username and Password fields will not be available.



Clicking on the Login button, the user will be navigated to the Advanced Identity login page



Entering valid login details will then navigate users to either the jClient or Control Centre.



JM-22601 - Improve the JM Reporting Schema to include Assets, Asset attributes and Asset lines

What have we done?

An extension to the reporting schema available for Job Management customers has been made to include Assets, Asset Attributes and Asset Lines.

Why have we done this?

Job Management reporting is important for customers using the full breadth of the data collection possibilities.

How will you benefit?

In conjunction with the addition of the Asset Manager function, being able to report on in place data is a key improvement for customers.

Details of the change?

After some minor configuration, this will allow anyone with sufficient knowledge to create new Objects and SQL queries within Infosuite to leverage the newly available data sets.

Asset data will be refreshed on a nightly basis in sequence with the refresh of Job Data. Only Assets marked as 'Active' will be extracted into the reporting database.

JM-22194 - Add a new WebService request with the ability to extract Stock details

What have we done?

New webservice notifications have been added to the Job Manager Notifications Service to allow integrating systems to extract details of the allocated materials and stock to jobs. Some notifications have been extended to support this function.

Stock items, locations, details and quantities can now be added to the Stock Catalogue via the API.

This function requires materials and stock to be configured within the new Stock module within Job Management.

Why have we done this?

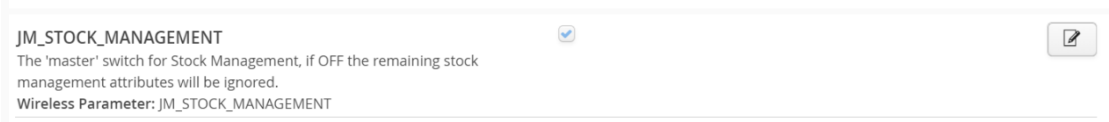
Improving our notification service to allow access to all data collected by your remote workers improves your business outcomes.

How will you benefit?

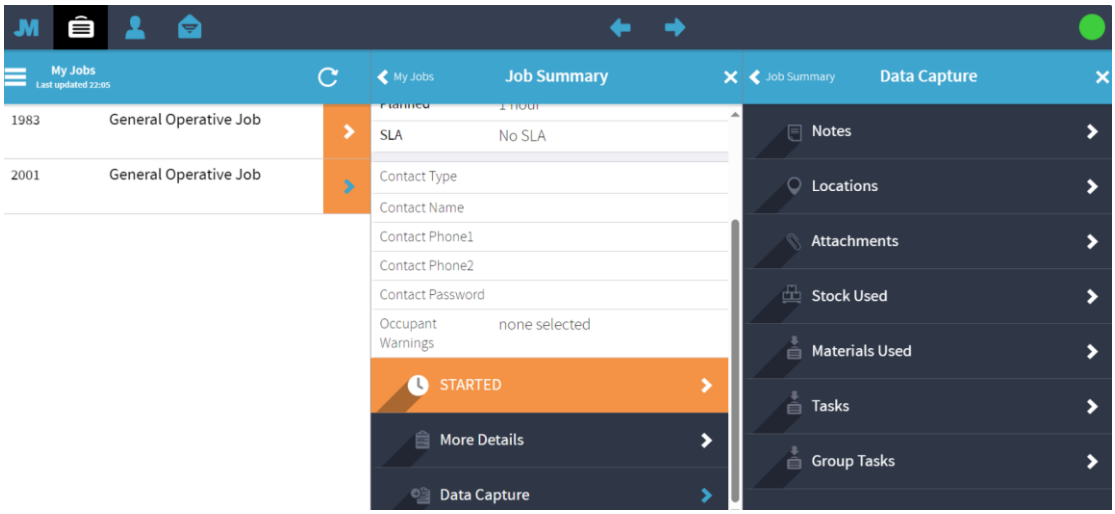
Being able to access the allocated Materials and Stock details from your mobile workers through an API ensures that your usage can be effectively tracked and transmitted to your back end systems for proper budget and costing management.

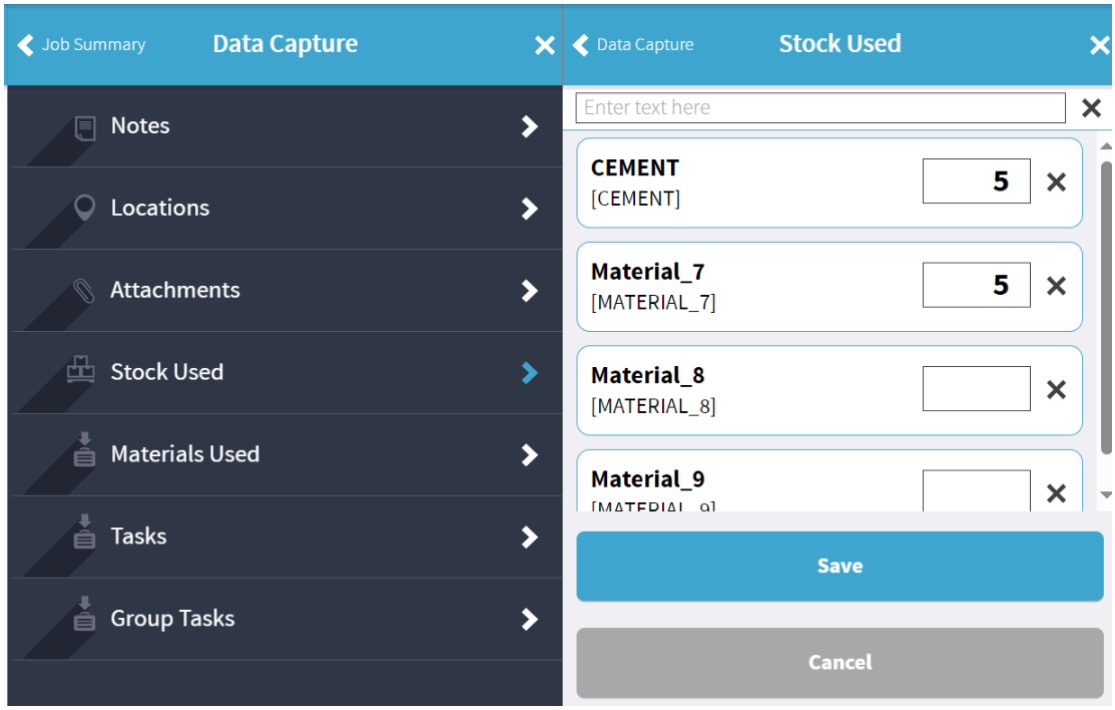
Details of the change?

To use this new functionality, the following parameter needs to be enabled within the JM Control Centre



From here, when the operative adds Stock to a Job using the Mobile Device





This will be available on the getJob notification output.

getJob

The getJob request requires no change.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
  <soapenv:Header/>
  <soapenv:Body>
          <jm:getJobRequest>
                    <jm:sessionId>91175e48-a863-4d44-987f-2878231c0819</jm:sessionId>
                    <jm:jobId>2001</jm:jobId>
          </jm:getJobRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

The getJob response will now include the allocated stock within the stockItemsUsed tag. The getJob notification request has been extended to include Stock and Materials which have been allocated to jobs on the mobile device or Control centre.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
          <jm:getJobResponse xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
                    <jm:jobId>2001</jm:jobId>
                    <jm:jobTypeCode>JM_WM_OPERATIVE_JOB</jm:jobTypeCode>
                    <jm:jobTypeDescription>General Operative Job</jm:jobTypeDescription>
                          .....
                          ...blah...
                          ...blah...
                          ...blah...
                         ......
          <jm:jobStockUsed>
                    <jm:stockItemUsed>
                              <jm:materialCode>CEMENT</jm:materialCode>
                              <jm:materialDescription>CEMENT</jm:materialDescription>
                              <jm:quantity>5</jm:quantity>
                              <jm:category>PLUMBING</jm:category>
                              <jm:source>USAGE</jm:source>
                              <jm:fromLocationId>242</jm:fromLocationId>
                              <jm:fromLocationName>BMW Van 1</jm:fromLocationName>
                              <jm:fromBinLocation/>
                              <jm:byUserId>RGOELOP</jm:byUserId>
                    </jm:stockItemUsed>
          <jm:stockItemUsed>
          <jm:materialCode>MATERIAL_7</jm:materialCode>
          <jm:materialDescription>Material_7</jm:materialDescription>
          <jm:quantity>5</jm:quantity>
          <jm:category>Test_Material</jm:category>
          <jm:source>USAGE</jm:source>
          <jm:fromLocationId>242</jm:fromLocationId>
          <jm:fromLocationName>BMW Van 1</jm:fromLocationName>
          <jm:fromBinLocation/>
          <jm:byUserId>RGOELOP</jm:byUserId>
        </jm:stockItemUsed>
      </jm:jobStockUsed>
    </jm:getJobResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

setStockCatalogueItems

An additional API call can now be made to add additional Stock items to the stock catalogue and also update any existing stock items. This API will UPDATE any item already configured, matching on the stockCode value, and add any entries which do not exist.

Sample Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
  <soapenv:Header/>
  <soapenv:Body>
    <jm:setStockCatalogueItemsRequest>
      <jm:sessionId>?</jm:sessionId>
      <jm:stock>
        <!--1 or more repetitions:-->
        <jm:stockItem>
          <jm:stockCode>?</jm:stockCode>
          <jm:stockDescription>?</jm:stockDescription>
          <!--Optional:-->
          <jm:category>?</jm:category>
          <!--Optional:-->
          <jm:preferredSupplier>?</jm:preferredSupplier>
          <!--Optional:-->
          <jm:supplierCost>?</jm:supplierCost>
          <!--Optional:-->
          <jm:lastCost>?</jm:lastCost>
          <!--Optional:-->
          <jm:averageCost>?</jm:averageCost>
        </jm:stockItem>
      </jm:stock>
    </jm:setStockCatalogueItemsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <jm:setStockCatalogueItemsResponse xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
      <jm:insertedCount>?</jm:insertedCount>
      <jm:updatedCount>?</jm:updatedCount>
      <jm:disabledCount>?</jm:disabledCount>
    </jm:setStockCatalogueItemsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

setStockLocationItemsandLevels

A new API has been added to allow stock levels and locations to be set on individual stock items that have been previously configured.

Request Format:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
  <soapenv:Header/>
  <soapenv:Body>
    <jm:setStockLocationItemsAndLevelsRequest>
      <jm:sessionId>?</jm:sessionId>
      <jm:stockLocationId>?</jm:stockLocationId>
      <jm:stockItems>
        <!--1 or more repetitions:-->
        <jm:stockItem>
          <jm:stockCode>?</jm:stockCode>
          <jm:stockQty>?</jm:stockQty>
          <!--Optional:-->
          <jm:binCode>?</jm:binCode>
        </jm:stockItem>
      </jm:stockItems>
    </jm:setStockLocationItemsAndLevelsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response Example: Valid Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <jm:SetStockLocationItemsAndLevelsResponse xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
      <jm:stockItem>
        <jm:stockCode>CEMENT</jm:stockCode>
        <jm:result>Incremented qty by 10</jm:result>
      </jm:stockItem>
      <jm:stockItem>
        <jm:stockCode>MATERIAL_5</jm:stockCode>
        <jm:result>Decremented qty by 20</jm:result>
      </jm:stockItem>
      <jm:stockItem>
        <jm:stockCode>MATERIAL_9</jm:stockCode>
        <jm:result>Unaltered</jm:result>
      </jm:stockItem>
    </jm:SetStockLocationItemsAndLevelsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope
```

Response Example: Stock Location ID does not exist

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <SOAP-ENV:Fault>
      <faultcode>SOAP-ENV:Client</faultcode>
      <faultstring xml:lang="en">Client Fault Message</faultstring>
      <detail>
        <jminfo>
          <jminfotype>CLIENT</jminfotype>
          <jminfocategory>INFO</jminfocategory>
          <jminfocode>RE:0006</jminfocode>
          <jminfosummary>The parameters passed to the operation are invalid:RE:0006: Stock location ID 1662221 does not
exist</jminfosummary>
          <jminfodetail>Stock location ID 1662221 does not exist</jminfodetail>
        </jminfo>
      </detail>
    </SOAP-ENV:Fault>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response Example: 1 or more stock id's does not exist

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <SOAP-ENV:Fault>
      <faultcode>SOAP-ENV:Client</faultcode>
      <faultstring xml:lang="en">Client Fault Message</faultstring>
      <detail>
        <jminfo>
          <jminfotype>CLIENT</jminfotype>
          <jminfocategory>INFO</jminfocategory>
          <jminfocode>RE:0006</jminfocode>
          <jminfosummary>The parameters passed to the operation are invalid:RE:0006: Stock code(s) [CEMENTT, MATERIAL_119] does not
exist</jminfosummary>
          <jminfodetail>Stock code(s) [CEMENTT, MATERIAL_119] does not exist</jminfodetail>
        </jminfo>
      </detail>
    </SOAP-ENV:Fault>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

JM-22193 - Add a new WebService request with the ability to configure and set a new Job Type

What have we done?

Job Types can now be created and amended using the Job Management Notifications API service

Why have we done this?

Extending the Job Management API improves the flexibility of the solution

How will you benefit?

Allowing external systems to create valid Job Types improves the flexibility of the solution by offering administers the ability to configure the solution from a third party solution.

Details of the change?

Several new API calls have been added to the Job Management notifications service. Details of the notifications service additions are as below.

setJobType

This API will create a job type in JM based on the information passed in. This API will automatically and internally create a new Job Type or update to an existing Job type definition.

The Job type definition passed in is expected to include **unique job type attributes** (job attribute codes) and **references to pre-existing job line types**.

Request Sample:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
  <soapenv:Header/>
  <soapenv:Body>
    <jm:setJobTypeRequest>
      <jm:sessionId>2ab263a5-980d-407c-a830-d9e5e58c5f38</jm:sessionId>
      <jm:jobTypeClassificationCode>OP_JOB</jm:jobTypeClassificationCode>
      <jm:jobTypeCode>JT_WS_1</jm:jobTypeCode>
      <jm:jobTypeDescription>JT_WS_1</jm:jobTypeDescription>
      <!--Optional:-->
      <jm:defaultDurationMins>60</jm:defaultDurationMins>
      <jm:attributes>
        <!--Optional:-->
        <jm:attribute>
          <jm:type>
            <jm:attributeName>JT_WS_1_ATTR_1</jm:attributeName>
            <jm:attributeDescription>JT_WS_1_ATTR_1</jm:attributeDescription>
            <jm:attributeType>TEXT</jm:attributeType>
            <jm:attributeSize>50</jm:attributeSize>
            <!--Optional:-->
            <jm:rangeFrom>2</jm:rangeFrom>
            <!--Optional:-->
            <jm:rangeTo>3</jm:rangeTo>
            <!--Optional:-->
            <jm:defaultValue>DefaultValue</jm:defaultValue>
            <!--Optional:-->
          </jm:type>
```

```
      <jm:usage>
        <jm:describeUse>NONE</jm:describeUse>
        <jm:feedbackUse>NONE</jm:feedbackUse>
        <!--Optional:-->
        <jm:completionUse>NONE</jm:completionUse>
        <!--Optional:-->
        <jm:incompletedUse>NONE</jm:incompletedUse>
        <!--Optional:-->
        <jm:abortedUse>NONE</jm:abortedUse>
        <!--Optional:-->
        <jm:searchSequence>1</jm:searchSequence>
        <!--Optional:-->
        <jm:displaySequence>2</jm:displaySequence>
        <!--Optional:-->
        <jm:listSequence>3</jm:listSequence>
        <!--Optional:-->
        <jm:externalURLPart>part.com</jm:externalURLPart>
        <!--Optional:-->
        <jm:scope>test</jm:scope>
        <!--Optional:-->
        <jm:refCodeDomain>rec.domain</jm:refCodeDomain>
        <!--Optional:-->
        <jm:filterSourceAttribute>source</jm:filterSourceAttribute>
        <!--Optional:-->
        <jm:defaultValueFormula>DVF</jm:defaultValueFormula>
        <!--Optional:-->
        <jm:ruleUse>NONE</jm:ruleUse>
        <!--Optional:-->
        <jm:defaultUse>NONE</jm:defaultUse>
        <!--Optional:-->
        <jm:ruleExpression>RExpression</jm:ruleExpression>
      </jm:usage>
    </jm:attribute>
  </jm:attributes>
  <jm:jobLineTypes>
    <!--0 to 5 repetitions:-->
    <jm:jobLineType>
      <jm:jobLineTypeCode>JLT-PQMS-TASK</jm:jobLineTypeCode>
      <!--Optional:-->
      <jm:minInstances>1</jm:minInstances>
      <!--Optional:-->
      <jm:maxInstances>3</jm:maxInstances>
      <!--Optional:-->
      <jm:confirmDelete>false</jm:confirmDelete>
      <!--Optional:-->
      <jm:allowInsert>true</jm:allowInsert>
      <!--Optional:-->
      <jm:displaySequence>6</jm:displaySequence>
      <!--Optional:-->
      <jm:minInstanceExpression>MIE</jm:minInstanceExpression>
      <!--Optional:-->
      <jm:maxInstanceExpression>MIE</jm:maxInstanceExpression>
      <!--Optional:-->
```

```
            <jm:editOptions>EDITONLY</jm:editOptions>
            <!--0 to 5 repetitions:-->
          </jm:jobLineType>
        </jm:jobLineTypes>
        <jm:detailedBehaviour>
          <!--Optional:-->
          <jm:defaultSLADays>60</jm:defaultSLADays>
          <!--Optional:-->
          <jm:slaCode>SLC_CODE</jm:slaCode>
          <!--Optional:-->
          <jm:defaultAutoSchedulable>true</jm:defaultAutoSchedulable>
          <!--Optional:-->
          <jm:defaultAutoCancelable>false</jm:defaultAutoCancelable>
          <!--Optional:-->
          <jm:externalURLBase>base.com</jm:externalURLBase>
          <!--Optional:-->
          <jm:createEnabled>false</jm:createEnabled>
          <!--Optional:-->
          <jm:searchEnabled>true</jm:searchEnabled>
          <!--Optional:-->
          <jm:primaryColour>Black</jm:primaryColour>
          <!--Optional:-->
          <jm:secondaryColour>Blue</jm:secondaryColour>
          <!--Optional:-->
          <jm:notifyEnabled>true</jm:notifyEnabled>
          <!--Optional:-->
          <jm:jobOrderEnforcementType>NO_RESTRICTION</jm:jobOrderEnforcementType>
          <!--Optional:-->
          <jm:enforceActionOrdering>true</jm:enforceActionOrdering>
          <!--Optional:-->
          <jm:noActionModificationIfUpdated>true</jm:noActionModificationIfUpdated>
          <!--Optional:-->
          <jm:disableIfNotForToday>false</jm:disableIfNotForToday>
          <!--Optional:-->
          <jm:authRule>AUTH_RULE</jm:authRule>
          <!--Optional:-->
          <jm:authRuleValue>ARV</jm:authRuleValue>
          <!--Optional:-->
          <jm:defaultDurationFormula>dDF</jm:defaultDurationFormula>
        </jm:detailedBehaviour>
      </jm:setJobTypeRequest>
    </soapenv:Body>
</soapenv:Envelope>
```

Response Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:not="http://kirona.com/schemas/jobmanager/v9.3.0/notify">
  <soapenv:Header/>
  <soapenv:Body>
    <not:setJobTypeResponse>
      <setJobTypeResult>
        <result>INSERTED</result>
      </setJobTypeResult>
    </not:setJobTypeResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

setJobLineType

The setJobLineType API will allow users to create and configure new Job Lines, or update existing Job Lines.

If a data set name is provided in the request not already present in the DB , it will respond in an error.

In the case of create of job line type , if the attribute supplied in the request is already present in the DB , it will respond with an error.

In the case of update , if the supplied attribute is linked to the same job line type, then those attributes will be updated. If any of the attributes within the request already exist within Job Management, but the attribute is not linked with the associated Job Type, it will respond with an error.

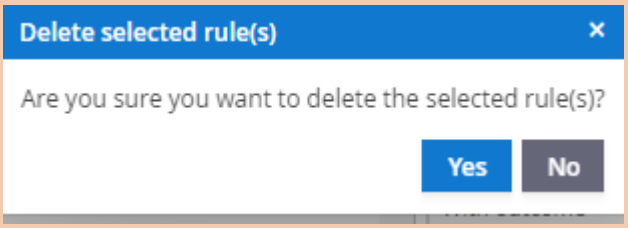
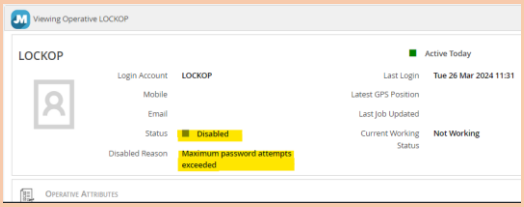
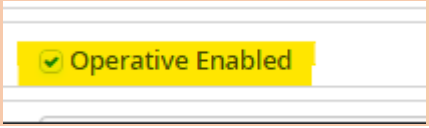
Sample Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
  <soapenv:Header/>
  <soapenv:Body>
    <jm:setJobLineTypeRequest>
      <jm:sessionId>?</jm:sessionId>
      <jm:jobLineTypeCode>?</jm:jobLineTypeCode>
      <jm:jobLineTypeDescription>?</jm:jobLineTypeDescription>
      <jm:extensibleAttributes>
        <!--Zero or more repetitions:-->
        <jm:attribute>
          <jm:type>
            <jm:attributeName>?</jm:attributeName>
            <jm:attributeDescription>?</jm:attributeDescription>
            <jm:attributeType>?</jm:attributeType>
            <!--Optional:-->
            <jm:attributeSize>?</jm:attributeSize>
            <!--Optional:-->
            <jm:defaultValue>?</jm:defaultValue>
            <!--Optional:-->
            <jm:rangeFrom>?</jm:rangeFrom>
            <!--Optional:-->
            <jm:rangeTo>?</jm:rangeTo>
            <!--Optional:-->
            <jm:dataSetName>?</jm:dataSetName>
          </jm:type>
          <jm:usage>
            <jm:describeUse>?</jm:describeUse>
            <jm:feedbackUse>?</jm:feedbackUse>
            <jm:displaySequence>?</jm:displaySequence>
            <jm:importance>?</jm:importance>
            <jm:summaryType>?</jm:summaryType>
            <!--Optional:-->
            <jm:childAttribute>?</jm:childAttribute>
            <!--Optional:-->
            <jm:sortSequence>?</jm:sortSequence>
            <jm:sortOrder>?</jm:sortOrder>
            <jm:showHeader>?</jm:showHeader>
            <jm:showFooter>?</jm:showFooter>
            <!--Optional:-->
            <jm:refCodeDomain>?</jm:refCodeDomain>
            <!--Optional:-->
            <jm:filterSourceAttribute>?</jm:filterSourceAttribute>
            <jm:ruleUse>?</jm:ruleUse>
            <jm:defaultUse>?</jm:defaultUse>
            <!--Optional:-->
            <jm:ruleExpression>?</jm:ruleExpression>
          </jm:usage>
        </jm:attribute>
      </jm:extensibleAttributes>
    </jm:setJobLineTypeRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <jm:setJobLineTypeResponse xmlns:jm="http://kirona.com/schemas/jobmanager/v930/jm">
      <result>INSERTED</result>
    </jm:setJobLineTypeResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Fixes and Issues

Type	Issue ID	Description	Change Notes
Fix	JM-21118	Dialog menu displays to users need to be updated	Changes have been made to the dialogue response display provided to users when performing some tasks to improve readability. An example of the new dialogue responses is : 
Fix	JM-22673	JClient: Improved handling of sub job lines of read only header job lines	Sub Job Line management has been improved when a child of a Read Only parent Job Line. Inheritance will now work as expected and Sub Job Lines in this instance will correctly be set to Read Only
Fix	JM-22634	Error uploading large image from jClient	An issue was found when images larger than the server allowance were attached to jobs on jClient job. This has now been resolved, though the upper limit of files sizes remains at 20GB per file.
Fix	JM-22536	Operative activity costs not picked up on final costs on Work Hub Repairs	An issue has been resolved where Operative costs in WorkHub was not added when Jobs were closed by back office staff using the WorkHub console.
Fix	JM-22432	JM - Control Centre - Appears to be no way to unlock a locked out user account via the Control Centre UI	Operative lock outs were difficult to resolve directly from the Job Manager UI. This has now been improved. When viewing a user, you will be notified the user is locked out.  Editing the User will provide the ability to Enable the user once again. 
Fix	JM-22421	Prevent setting of empty (null) values for NUMBER system properties via the cc UI.	It was previously possible to set a NULL value to a NUMBER object while configuring attributes, job lines etc; in the user console. Validation has been added to prevent this.

Fix	JM-22287	External URLs no longer working as expected in JM.	An issue has been resolved where non-full URL links are used in Job Lines and other attributes. This has now been resolved
Fix	JM-22286	J-Client - Asset Manager - If the Asset Tree has just the root node then clicking on any part of the widget apart from hamburger icon doesn't give asset details	Asset trees will now display the asset details if only the Root Node is provided with asset details on the Job synchronisation
Fix	JM-22205	Force Daily logout not working as expected when using the Overnight Working option	The logic for the Overnight Working option, when used in conjunction with Force Daily Logout has been modified to the following: If the jClient is restarted before noon then it will start up already logged in. If the jClient is restarted after noon then it will start up logged out with the usual warning about being logged out at the end of the day. If the jClient is left running over the noon threshold then the operative will also be force logged out.
Fix	JM-22198	Delete Assets background service not purging orphaned attachments	Attachments will now be purged when associated Objects (jobs, assets etc) are purged by the user or system
Fix	JM-22189	Attachment is not loading up when viewing Job - JM Control Centre	An issue with resource allocation was preventing the Attachment preview from loading within the Control Centre when associated with a new Operative Job. This has been resolved.
Fix	JM-22038	Tenancy occupant details not updated	Updates to Asset details were not being retained when changes were made directly in the Control Centre. This has been resolved and updates will now correctly commit.
Fix	JM-22013	notifyGpsUpdate web service call issue	The notifyGpsUpdate web service call will now acknowledge Success responses using the same format required for other calls such as notifyCreateJob and notifyJobStatusChange
Issue	JM-22690	Log4J 1.x found in several lesser used modules	Log4J 1.x was found in some lesser used modules previously released with some versions of Job Manager. This has now been removed.
Issue	JM-22625	Disable Password Editing for Business Admin User in Control Centre	Users with permission profiles of both 'Business Admin User' and 'GM Software Integration' will now not be given the permission to change their user password.
Issue	JM-Various	Various PEN, FOSSA and Security Test Improvements	In line with our focus on providing secure, performant and compliant software, several changes have been made to components and code bases to ensure we continue to remove attack vectors for known vulnerabilities

Contact us

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- Make a general enquiry on 03300 602 102
- Contact us via the Advanced website

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