

# HIEv (DC21) Release Notes

## Release version 1.9.04

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## 1 Overview

This release of HIEv (formerly known as DC21) is a bug fix and performance release which also includes a few new features for administration users and users of the Application Programming Interface. An update to the IEv User Guide is also available.

Introductory information about HIEv and the DC21 project can be found here: <https://github.com/IntersectAustralia/dc21/wiki>.

Source code is available at: <https://github.com/IntersectAustralia/dc21>.

## 2 System Requirements

The recommended minimum environment for hosting the web application is as follows.

- A Linux server, preferably RHEL6.x/CentOS 6.x (el6) with the standard "Server" packages installed.
- 4 cores, contemporary chipset +2.5GHz.
- 4GB of RAM.
- Postgresql (8.1.x or later)

## 3 Installation / Upgrade Instructions

### Server-side

Server-side instructions for installing new or upgrading from version 1.8 can be found here:

<https://github.com/IntersectAustralia/dc21/wiki/Deployment-Guide>.

See also section 4 Additional Server Install/Upgrade Instructions below.

*Note: If you are upgrading from Version 1.6 you will need to do this in two steps: 1.6 to 1.8, then 1.8 to 1.9.*

The tag for this release is as per the Release version above. This tag must be selected during the installation process (the install process will request that you select a tag from a list of available tags). If later tags are available, choose the latest "1.9.nn" tag. If in doubt, you should check with the Intersect development team (see <http://www.intersect.org.au/contact>) as to which tag should be used.

### **Client-side Automated Upload**

To install new or upgrade Windows PC Client upload API scripts, refer to:

<https://github.com/IntersectAustralia/dc21/wiki/Setting-Up-Automated-Load-From-PC>.

NOTE: If you are running a recent version of the HIEv, you may not need to upgrade the Client upload API scripts as they may not have changed. Please check with Intersect at <http://www.intersect.org.au/contact>.

If you are upgrading from version 1.8, you don't need to re-run the setup scripts. Instead, you should follow these instructions:

1. Download the API zip file.
2. Extract the IntersectAustralia-restful-api-uploader-xxxxxxx folder and place this folder in the same folder as the existing IntersectAustralia-restful-api-uploader folder. (xxxxxxx is a unique 7 digit hex string).
3. Use Notepad to edit the windows\_api\_load.bat file "ruby" command to refer to the new IntersectAustralia-restful-api-uploader-xxxxxxx folder. For example:

ruby "C:\scripts\DC21\IntersectAustralia-restful-api-uploader-2c20fa8\lib\run\_wrapper.rb" ....

## 4 Additional Server Install/Upgrade Instructions

These instructions are not included in the automated scripting and need to be executed manually:

- Prior to starting the HIEv application, the following changes are required to the Apache configuration file on the HIEv application server. This file should be `/etc/httpd/conf.d/rails_dc21app.conf`.

Change:

```
XSendFile on  
XSendFilePath /tmp
```

To:

```
RequestHeader Set X-Sendfile-Type X-Sendfile  
XSendFile on  
XSendFilePath /tmp  
XSendFilePath /data/dc21-data
```

- At additional configuration parameter "hiev\_handle\_prefix" has been added in this release. This parameter is used to help auto-generate the ID field for packages. If you are upgrading, it will need to be manually added to your production configuration prior to restarting the application server. Refer to <https://github.com/IntersectAustralia/dc21/wiki/Deployment-Guide-%3A-First-Time-Server-Build-customise-the-application>. See also next point for further manual set-up which is required.
- The ID field is a global, citable identifier for HIEv packages. In HIEv Version 1.8, the ID field of packages was manually allocated values by the user. This has been automated in Version 1.9 when a package is created, with the ID field being constructed as follows:

ID = <hiev\_handle\_prefix>\_<Unique\_sequence\_number>

The Unique\_sequence\_number increments from an initial value stored in the HIEv database. If you are upgrading from v1.8, have already manually allocated IDs in that version and have used the above pattern to form your ID fields, to avoid generating a non-unique ID the next time you create a package you will need to set the "Unique\_sequence\_number" value in the database. To do this, once the automated upgrade is complete, login to the HIEv application server and execute the following commands:

```
$ psql -U dc21  
$ select setval('package_id_seq', number, false);
```

where number is the sequence number which was last manually allocated PLUS 1.

NOTE: HIEv Files which are not packages can still be allocated an ID field by the user through the UI. To avoid clashes with auto-generated package IDs, IDs for files should not be allocated with the same construction as for packages, ie: you should use a prefix for files other than the hiev\_handle\_prefix.

- Additional metadata fields have been added to Packages. Also after the automated upgrade is complete, login to the HIEv application and execute the following commands:

```
$ psql -U dc21
```

```
$ UPDATE data_files SET transfer_status = 'COMPLETE' WHERE file_processing_status =  
'PACKAGE';
```

- There is a new server-side housekeeping script to clear temporary zips created by HIEv.

This should be installed for first-time installs as well as upgrade. For details, refer to <https://github.com/IntersectAustralia/dc21/wiki/Deployment-Guide-:-First-Time-Server-Build#set-up-cron-job-to-clear-temporary-zips-created-by-dc21>

- Version 1.9 introduces background processing. This is implemented using Redis and Resque and these utilities will need to be installed whether this is a new install or an upgrade. For details, refer to: <https://github.com/IntersectAustralia/dc21/wiki/Setting-up-redis-and-resque>. It is recommended that the system be started with one background worker. Instructions are provided on the wiki to allow for more workers to be started if a large amount of packaging is required.

## 5 Required Changes to Software that uses the API

With regard to [DC21-565](#) (see section 8 New Features below), [As an API programmer when i try to download or search if the token is not supplied or wrong I want dc21 to return an http error code rather than the dc21 login screen html](#), you should refer to <https://github.com/IntersectAustralia/dc21/wiki/Search-API> to determine what, if any, changes need to be made to your software so that it continues to work correctly with the HIEv APIs.

## 6 Known Issues and Limitations

- Adding large numbers of files and data to the cart and invoking the Download or Package functions is not recommended.
- The cart list is not paginated and becomes unusable if more than 10,000 files are added to it.
- The API search function returns an un-paginated json list. This list may become very large (and may take some time to download) if API search is unfiltered.

## 7 Test Report

### Overall Intersect Test Environment

Testing was done in the Intersect QA Environment <http://knt1-dc21-qa.intersect.org.au/>; against the 20130606\_Sprint9 build. Testing was conducted for all Sprint 9 Deployment Jira items and full regression testing was conducted to assure new changes did not negatively impact existing functionality.

### **Overall Intersect QA/Testing approach**


1. Specifications are written with testing in mind.
2. Developers do unstructured unit tests, then when ready they release to QA environment where testers can verify changes.
3. QA/Testers test against the Jira story – This includes structured & unstructured testing, and any feedback is discussed with Developers/ P.O.'s as required. New Jiras are raised as required for found issues.
4. QA/Testers upgrade Manual regression tests.
5. Automated tests are run through Jenkins to assure System integration testing Code freeze.
6. Final release End to end Manual Regression testing is conducted to assure full functionality.
7. Testing of the User Manual.
8. DELIVERY TO CUSTOMER for User Acceptance Testing.

### **Sprint 9 Deployment Test Results**

9. Pass - Jenkins run against versions 1.8.01 & 1.8.02 builds, and restful-api-uploader passed against the target version.
10. Pass - Manual Testing conducted against all Jira Items in the Sprint.
11. Pass - Manual Regression testing of specific scenarios which couldn't be automated was conducted and passed without any Major issues.
12. Pass - Browser testing was conducted against the build and passed without any Major issues.
13. Pass - 3 full rounds of Performance testing were conducted against the build, with further optimisation fixes conducted after each round. Performances met requirements. Contact Intersect for further information on performance test results.
14. Pass - The User Manual was tested against the Build and was assured.



## 8 New Features



Please see below. Refer to the HIEv User Guide for feature functionality

Type	Key	Summary	description	Story points	Fix version
	<a href="#">DC21-588</a>	<a href="#">As a researcher, I want to run the Package functionality in the background as it takes time to complete</a>	<p>The idea is to let the user do the packaging as a background task.</p> <p>Functionality / acceptance criteria follows</p> <ol style="list-style-type: none"><li>On the Package creation screen<ol style="list-style-type: none"><li>the Save button should be renamed "Create Package".</li><li>There should be a new "run in background" tick box (default is ticked) near to the "Create Package" button.</li></ol></li><li>View package metadata changes<ol style="list-style-type: none"><li>In Basic Info, there should be a new field "Creation Status" which can have the values "QUEUED", IN PROGRESS", or "COMPLETED". These values are read-only to the user and are only settable by the HIEv system as packaging proceeds.</li><li>The user should be able to press Browser page refresh, which if pressed refreshes the metadata information.</li></ol></li><li>It should not be possible to edit a package's meta data or delete a package unless the user is admin or Creation Status is COMPLETED.<ol style="list-style-type: none"><li>On the package form, if a non-admin user presses the Edit Metadata button, an error message should be displayed "Cannot edit, Creation Status is not COMPLETED.</li><li>On the package form, if a non-admin user presses the Delete This File button, an error message should be displayed</li></ol></li></ol>	3.0	Sprint 9 Deployment

Type	Key	Summary	description	Story points	Fix version
			<p>"Cannot delete, Creation Status is not COMPLETED.</p> <p>c) On the package form, if an admin user presses Edit Metadata or Delete This File when Creation Status is not COMPLETED, a warning message should appear "Before editing or deleting this package, you should ensure the background job is terminated using the job admin screen. Continue? Y/N"</p> <p>d) When saving a package's metadata, the "Save" button should be present rather than "Create Package"</p> <p>4. If the user presses "Create Package" with "run in background" ticked:</p> <p>a) A message should be displayed to the user stating that the package will be created in the background</p> <p>b) The package form should be displayed</p> <p>c) The Creation Status should be set to QUEUED initially and file size to 0.</p> <p>d) A background process or thread should be initiated which creates the package and transitions the Creation Status metadata field through "IN PROGRESS" to "COMPLETED".</p> <p>e) As the background process runs, it should refresh the file size in the package's metadata record.</p> <p>f) If this user or another user displays the metadata form the new filesize and Creation Status should be displayed.</p> <p>g) When the creation is completed, the initiating user should receive an email to that effect which includes the package name in the body of the email.</p> <p>Optional bits. If item 6 below is not implemented, HIE sys admin should be instructed in the operation of the job admin screen which comes with the Ruby gem.</p> <p>5. If the user presses "Create Package" with "run in background" NOT ticked:</p> <p>a) A spinner should be displayed to show that something is happening</p> <p>b) The task should be done as per steps 4c, 4d, 4e and 4f above, but in the foreground (no email is necessary)</p> <p>c) When complete, the package form should be displayed with the new package displayed.</p>		






Type	Key	Summary	description	Story points	Fix version
			6. Admin Background Task Management Form a) There is a new Background Task Management screen available to Admin users which lists all currently executing background HIEv tasks b) The list should include the name of the package being created, the user who initiated the task, the Creation Status of the Package c) The admin user should be able to select an entry and choose to terminate the background process. This action should also delete the package being created. d) Even if the background process being terminated cannot be found, the Task Management should delete the file. e) Task management should send an email to the user which says the package creation was terminated. f) The Background Task Management screen is accessible in the Admin page under the Resque tab		
	<a href="#">DC21-568</a>	<a href="#">As a user, I want to be able to see more of the Description fields</a>	Currently, the Description field for files (including packages), facilities and experiments is displayed as a single line. This is inadequate as nearly every description is longer. While the hover-over is good, there should be more of the description fields displayed.  Acceptance Criteria 1. For Description fields which are part of tables, one line is sufficient, ie: no change from sprint 8. This applies to the list of experiments on the Facility screen.  2. For Description fields which are on forms, eg: File Basic Information, Package creation, Facility form and Experiment Details form, a fixed height box with at least 3 lines (more if possible, though depending on the available real estate) and scroll bars should be displayed.	1.0	Sprint 9
	<a href="#">DC21-567</a>	<a href="#">As a support dev I want a system handbook so I know how to start supporting the system</a>	Empty template here: <a href="https://wiki.intersect.org.au/display/DC21/DC21+-+System+Handbook">https://wiki.intersect.org.au/display/DC21/DC21+-+System+Handbook</a>  Most of the documentation already exists on the Github wiki, so you should be able to link that.	1.0	Sprint 9 Deployment

Type	Key	Summary	description	Story points	Fix version
			I'd like Vincent T to test this by trying to set up a dev environment.		
	<a href="#">DC21-565</a>	<a href="#">As an API programmer when i try to download or search if the token is not supplied or wrong I want dc21 to return an http error code rather than the dc21 login screen html</a>	<p>From Gerry Devine: An api should return an error code in these circumstances, i.e. a 404 or a 401, and not a login webpage. Returning a webpage makes it more difficult to program scripts around these apis.</p> <p>PeterB: I don't think a 404 is appropriate - it should show the url is valid but there is a validation error. 401 would be better. Non-API users who want to use a browser to initiate the transfer should be catered for.</p> <p>Acceptance Criteria:</p> <ol style="list-style-type: none"> <li>1. If a user submits a valid Download or search url via a browser without a valid authentication token and from a computer whose ip address is not recorded in the dc21 yaml config file, the system should return a 401 page with error message "Authorisation error"</li> <li>2. If a program submits a valid Download url or search directly to the application without a valid authentication token and from a computer whose ip address is not recorded in the dc21 yaml config file, the system should also return a 401 code with error message as above.</li> <li>3. If a user (via a browser) or a program submits a valid Download or search url directly to the application either with a valid authentication token or from a computer whose ip address is recorded in the dc21 yaml config file, the system should download the file. (In general, timeouts should be set to long values, enabling the doe=wnloads to take up to 4 hours)</li> </ol>	2.0	Sprint 9
	<a href="#">DC21-564</a>	<a href="#">As an admin user, I want the ID field of new Packages to be auto-generated so that I don't make mistakes</a>	<p><b>Background</b></p> <p>At present, the UWS Library is manually fixing the RIF-CS in RedBox before releasing the record to the RDA. This is fine for a couple of records, but needs urgent remediation so that the library can process records efficiently. The ID field provides a globally unique identifier for packages which is encoded into the RIF-CS of data collections during publishing. This story automates this to some extent and fixes the errors in the RIF-CS which were identified during end-to-end testing and are</p>	3.0	Sprint 9

Type	Key	Summary	description	Story points	Fix version
			<p>hampering the library.</p> <p><b>Following are samples of what is currently generated in sprint 8</b></p> <p>&lt;key&gt;/data_files/5000&lt;/key&gt; //The &lt;key&gt; field is currently generated from the DC21 file-id</p> <p>...</p> <p>&lt;namePart&gt;WTC_TrendLogs_20130301-20130331.zip&lt;/namePart&gt; // The namepart is generated from the Dc21 filename.</p> <p><b>Issues to be fixed</b></p> <p>The &lt;key&gt; field should be globally unique. I spoke with the Library and it was agreed this field should be set to the ID field of the package being created.</p> <p>The &lt;namePart&gt; field should be the title of the dataset.</p> <p><b>Specific changes / acceptance criteria</b></p> <p><b>1. Package ID field, RIF-CS &lt;key&gt; field</b></p> <p>a. The ID field should be display-only for Packages for all user roles. The field should be editable for all other file types.</p> <p>b. When creating a new package (from the cart), the ID should initially be blank and not-editable by the user. When the user presses the Save button, DC21 should auto-generate/auto-populate the ID field. THis should be in the following format:</p> <p>&lt;hie_v_handle_prefix&gt;_&lt;last_handle_sequence_number+1&gt;</p>		



Type	Key	Summary	description	Story points	Fix version
			<p>The ID field of files which are not Packages should not be auto-generated.</p> <p>c. The hiev_handle_prefix is a string which should be set up as a config parameter in the dc21/hiev config yaml file. Only the first 100 characters of a hiev_handle_prefix should be used when generating an ID field.</p> <p>d. The last_handle_sequence_number should be a persistent integer number which is maintained in the dc21/hiev database. Each ID value which is generated should be unique with the last_handle_sequence_number incremented each time an ID field is auto-generated.</p> <p>e. The first last_handle_sequence_number should be 0. However, as HIE are currently maintaining sequence number manually in sprint 8, during upgrade it should be possible to set this number to an initial value (this can be a manual step in the upgrade)</p> <p>f. An example of a generated ID: <a href="http://handle.uws.edu.au:8081/1959.7/hiev_3">http://handle.uws.edu.au:8081/1959.7/hiev_3</a></p> <p>g. When the Save button is pressed, the ID field should be saved and the RIF-CS &lt;key&gt; field should be populated with the ID field. Note: If the package is not saved, the last_handle_sequence_number is NOT reset, ie: this ID is lost forever and should never be regenerated. If 2 (or more) users simultaneously commence the creation of a new package they should get different IDs generated.</p> <p><b>2. Packages should have a new Title field.</b></p> <p>a. The Title field should be set up similarly to the Description field, ie: a general text field, max length 10000 characters.</p>		





Type	Key	Summary	description	Story points	Fix version
			<p>b. The Title field should be mandatory for Packages - it should not be possible to Save a package without a title.</p> <p>c. When a package is saved, the RIF-CS &lt;namepart&gt; should be populated with the Title field AND under the README.HTML "Package Title" heading, this text should be populated with the new Title field (previously in sprint 8, this text was being generated from the first line of the Description field). Note that the &lt;title&gt; in the README.HTML should also be set to the Title field.</p> <p>d. On upgrade from sprint 8 to sprint 9, pre-existing packages should be populated with a blank title. However, if the package metadata is subsequently saved, the user will be required to enter a title.</p> <p><b>3. Package deletion rules</b></p> <p>a. Non-admin users should be able to delete packages they've created as long as they are not published. (Either the Delete button should not be displayed or they should get an error message if they attempt the operation - the latter is preferred). Note that the rule that there should not be an ID field has been removed.</p> <p>b. Admin users should be able to delete packages. If a package has been published they should get a confirmation dialog.</p>		
	<a href="#">DC21-549</a>	<a href="#">As the HIEv Data Manager, I want the unique Package ID to be auto-generated by the system so that users can't make mistakes when publishing their data</a>	<p>Currently, when a package is created the user can optionally provide a unique ID which will be used by downstream systems (eg: the REsearch Data Catalogue) to uniquely reference the collection record.</p> <p>See <a href="#">DC21-564</a></p>		Sprint 9

Type	Key	Summary	description	Story points	Fix version
		<a href="#">collections</a>			
	<a href="#">DC21-243</a>	<a href="#">Test accessibility</a>		1.0	Sprint 9 Deployment
	<a href="#">DC21-73</a>	<a href="#">As the system owner I want the system to meet defined performance targets so that it can be used efficiently.</a>	<p>Procedure:</p> <ul style="list-style-type: none"> <li>define what is realistic usage in terms of:</li> <li>number of files</li> <li>min/max/avg file size</li> <li>number of facilities/experiments</li> <li>number of users (total, concurrent)</li> <li>PB: DONE - SEE ATTACHED SPREADSHEET</li> <li>construct an environment that approximates production infrastructure and data volumes</li> <li>build a set of tests to exercise the environment and measure performance</li> <li>review results of tests</li> <li>fix any problem areas, rinse and repeat above</li> </ul> <p>Possible problem areas:</p> <ul style="list-style-type: none"> <li>upload (file size, plus speed of doing overlap checks) (GE update: some work was done on this recently so it may be ok)</li> <li>build custom download (should be a batch job?) (GE update: I think this feature is gone)</li> </ul>	5.0	Sprint 9 Deployment


Type	Key	Summary	description	Story points	Fix version
			<ul style="list-style-type: none"> <li>publish (should be a batch job) (GE update: this has been changed substantially so may no longer be an issue)</li> </ul>		



## 9 Bug Fixes




	<a href="#">DC21-593</a>	<a href="#">Packaging a file in the foreground does not set up Creation Status properly</a>	<p>1. Create a package with Run in background Unchecked =&gt; it runs to completion. =&gt; Creation Status is NOT present in the metadata for this new package</p> <p>2. Try and edit the metadata =&gt; "Cannot edit - Creation status is not COMPLETE."</p> <p>EXPECTED RESULT</p> <p>a) Creation Status should be included in the metadata for the new package b) Creation status and file size should transition as per the background process. Another user login should be able to confirm this is happening. c) Creation status should be set to COMPLETE once the package is created d) the user should be able to edit the metadata once the package has been created.</p>		Sprint 9 Deploy
	<a href="#">DC21-590</a>	<a href="#">Chrome is caching cart downloads</a>	<p>Reproduced on QA server using Chrome</p> <p>1. Add a small .txt file to the package 2. Download the cart. This downloads the .txt as there's only 1 file in the cart</p>		Sprint 9 Deployment






			<p>3. Add a different file (eg .dat or .pkg) to the cart</p> <p>4. Download the cart again. It sends the first file.</p> <p>The developer tools in Chrome shows that it's sending from cache as well.</p>		
	<a href="#">DC21-586</a>	<a href="#">Refactor Add All functionality so it does not generate a hidden form with all the data file ids.</a>	<p>The Add All functionality currently creates a hidden form with all the data file ids in the search, which increases the page load time to 10s and causes the browser to lag due to the huge amount of DOM elements.</p> <p>This should be done server side instead.</p>		Sprint 9 Deployment
	<a href="#">DC21-566</a>	<a href="#">On some browsers (eg: IE) the description field hover-over doesn't display all the text</a>	<p>On the prod system, the text of a package description is:</p> <p>This dataset is a collection of files tracking the experimental/instrumental conditions under which the 'Whole Tree Chamber' facilities (based at the University of Western Sydney's Hawkesbury Institute for the Environment in Richmond NSW) have been operating. In each daily zip file across March 2013 individual files for each of the ~330 sensors are included. A further metadata file is also included that maps the identifiers in each file to the actual sensor type/measurement taken.</p> <p>However, the hover-over only displays:</p> <p>This dataset is a collection of files tracking the experimental/instrumental conditions under which the</p> <p>Expected result:</p> <p>The hover-over should display all of the text.</p>		Sprint 9
	<a href="#">DC21-557</a>	<a href="#">UI Chrome - File Upload &gt; Tag checkboxes are not displaying fully</a>	<p>See screenshot. Not a problem in FF or IE7/8. Chrome version 26.0.1410.43</p>		Sprint 9
	<a href="#">DC21-554</a>	<a href="#">Searching By words are obsured</a>	<p>Do a search by filename in the Staging Env. See attached. The Searching By words staddle the line.</p> <p>This appears to only occur when there is only 1 page of data being displayed.</p> <p>This occurs on both Firefox (v19.0.2) and Chrome browsers.</p>		Sprint 9










			Expected result: The Searching By words should appear above the line, not staddling it.		
	<a href="#">DC21-550</a>	<a href="#">Incorrect README.HTML RDFa attribute generated - facility id</a>	<p>There is 1 bug and 1 improvement.</p> <p>See screen shot with arrows.</p> <p>1. In #experiment_6 properties shows isPartOf #facility_1, it should be #facility_6.</p> <p>2. The #Location should be related to the #facility.</p> <p>This was a problem in the original READ.HTML specification in DC21-305 and so this is an improvement (probably best to move to a separate jira)</p> <p>Current RDFa:</p> <pre>&lt;tr&gt; &lt;td&gt;Location&lt;/td&gt; &lt;td&gt;&lt;span typeof="http://schema.org/GeoShape" resource="#Location" &gt;&lt;span property="http://schema.org/box"&gt;-33.61643299 , -150.7380362, -33.61902662 , -150.7382066&lt;/span&gt;&lt;/span&gt;&lt;/td&gt; &lt;/tr&gt;</pre> <p>It should relate the facility to the geoShape via the geo property of the type schema.org/Place:</p> <pre>&lt;tr&gt; &lt;td&gt;Location&lt;/td&gt; &lt;td&gt;&lt;span typeof="http://schema.org/GeoShape" resource="#Location" property="http://schema.org/geo"&gt;&lt;span property="http://schema.org/box"&gt;-33.61643299 , -150.7380362, -33.61902662 , -150.7382066&lt;/span&gt;&lt;/span&gt;&lt;/td&gt; &lt;/tr&gt;</pre> <p>The complication is that each facility can have a location. If more than 1 facility is present, "#Location" will need to be replaced by "#LocationNN" where NN is a sequential number which increases by 1 for each facility location specified. This is likely to be complicated so there may be other ways of doing this which have less complexity.</p>		Sprint 9

	<a href="#">DC21-548</a>	<a href="#">File with filename of 255 characters cannot be uploaded twice</a>	<p>Since API renames by appending which exceeds the character limit.</p> <p>Step Reproduce:</p> <ol style="list-style-type: none"> <li>1) Upload the provided file</li> <li>2) Upload the provide file again</li> </ol> <p>Result: Error page with message "The change you wanted was rejected. Maybe you tried to change something you didn't have access to."</p> <p>Expected Result: I think it should handled more gracefully. i.e stop the upload, clear the temp files, then redirect the user to the Upload page with an error message.</p> <p>How should we handle this??</p> <p>UPDATE:</p> <p>The filename max length is now set to 200 characters.</p> <p>The path max length is 260 characters (which is standard for most operating systems).</p> <p>There are now validations for both.</p>		Sprint 9
	<a href="#">DC21-545</a>	<a href="#">Fix inconsistent "Back" behaviour</a>	<p>Currently, if you click on a file in the Cart view, it brings up the metadata view of the file. This is good. However clicking on the Back button causes the Explore Data view to be shown, not the Cart view that you came from.</p> <p>"Back" behaviour should return user to the previous Cart view from the File metadata view if File view was selected from the Shopping Cart.</p> <p>important note: this bug refers to the back button on the UI itself, not the browser. Browser back behaves as expected however the UI back does not do this.</p>		Sprint 9

	<a href="#">DC21-539</a>	<a href="#">Time entry not possible if date entered manually</a>	<p>Select Edit Metadata for any non-TOA5 file which has no Start Date set. Click in the Start date box (which will be empty). The Date picker will be displayed. Type a correct date, e.g. 2013-05-05 and press Enter. The Date picker will disappear. Press Enter again, to try to get the Time fields to appear. The Time entry fields appear, but immediately the screen returns to the Metadata details display and the time 00:00:00 has been selected. The same Date/Time has been copied into the End time field.</p> <p>Expected result: The date picker should not appear when clicking in the Start time box. It should only appear if the ellipsis is clicked. The time entry fields should appear when the Enter key is pressed after the date is typed in. The Enter key triggers the Update button processing in some fields but not others. Its operation should be consistent - probably it should not trigger the focus is on the Update button. Interestingly, using the Tab key to cycle the focus through the controls on the screen seems to skip the Update button.</p>		Sprint 9
	<a href="#">DC21-538</a>	<a href="#">Two "Upload" buttons on Data/Upload screen, one doesnt work properly</a>	<p>Select Upload from the main screen. Enter the required parameters and choose at least one file. Select the top Upload button (not the bottom one). The entered data is cleared and no processing occurs.</p> <p>Expected result: The top Upload button should not be displayed throughout the Upload process.</p> <p>The top Upload button is a left over button from the main screen. As such, its action is as expected, but it's very confusing in this case because there is another identically labelled button which is the intended button at this time. The top upload button continues to be displayed throughout the file upload process, and is generally confusing.</p>		Sprint 9
	<a href="#">DC21-537</a>	<a href="#">Experiment name is not checked for uniqueness</a>	<p>When entering an experiment for a facility, it is possible to successfully enter an experiment with a name which is identical to one which is already entered for that facility. Both experiments are listed in the Facility details screen. (See attachment.)</p> <p>Expected result:</p>		Sprint 9

			Experiment names should be unique across the dc21 application. If the user attempts to save an experiment with a name that already exists, an error message should be displayed when the Save Experiment button is clicked.		
	<a href="#">DC21-451</a>	<a href="#">IE9 - UI - Add to Cart button is slightly cut off in Explore Data tab</a>	In IE9, the Add to Cart button is slightly cutoff. It only a few pixels off but it is noticeable.		Sprint 9
	<a href="#">DC21-434</a>	<a href="#">Edit Cart, table going off the page</a>	If you have a file that has a really long name, it makes the table in the Edit Cart page go off the page.  Refer to screenshot		Sprint 9
	<a href="#">DC21-432</a>	<a href="#">UI change: 'Edit Metadata' page should have 'explore' tab selected</a>	Just a little tweak:  If you click on a data file and press 'edit metadata', the 'explore' tab becomes unselected. This should remain selected on the edit metadata page, as it is only accessible from the explore pages.		Sprint 9
	<a href="#">DC21-428</a>	<a href="#">Replaced files are not being deleted from the server</a>	When you have a safe overlap, the file that is replaced stays on the server.		Sprint 9
	<a href="#">DC21-416</a>	<a href="#">Inputting an invalid date when uploading a file will redirect to an error page</a>	(Workaround - File is still uploaded, and date fields can be edited post-upload) If you input an invalid (e.g. 2012-02-30) while uploading, it will redirect you to an error page ("We're sorry, but something went wrong."). The file is uploaded with an "UNKNOWN" date.  To reproduce: 1) Select Upload 2) Fill in the fields and select an item to be uploaded and proceed to upload 3) In the Start Date field, manually enter 2012-02-30 Triaged 10.12.12.		Sprint 9

			Expected functionality: The upload shouldn't commence until a valid date or no date is entered.		
	<a href="#">DC21-411</a>	<a href="#">Small DC21 logo link is outside the image size. User can easily misclick it.</a>	When you scroll down and the DC21 logo becomes smaller, the linked URL is outside of the image (underneath). It is really easy for the user to misclick it.  Refer to the red box in the screenshot. The box indicates where is linked. Triaged 10.12.12		Sprint 9
	<a href="#">DC21-397</a>	<a href="#">UI - Experiment Details - Multiple FOR Codes alignment is not a new line per FOR code</a>	See screenshot. Affects all browsers. Triaged 10.12.12		Sprint 9
	<a href="#">DC21-395</a>	<a href="#">UI Footer fails to extend to far right on minimised width browsers</a>	Happens in Chrome, FF15, & IE8 (No footer in IE7 at all, but that is a separate know issue). See screenshot		Sprint 9
	<a href="#">DC21-332</a>	<a href="#">Filename too long issue</a>	Upload a file with a really long name. When using "download selected files" on this file, a filename too long error is raised.  This also occurs with experiment names that are too long, because the metadata file name contains the full name of the experiment.  UPDATE: The filename max length is now set to 200 characters. The path max length is 260 characters (which is standard for most operating systems). There are now validations for both.		Sprint 9
	<a href="#">DC21-330</a>	<a href="#">System should degrade gracefully when MINT is down</a>	MINT is used to look up FOR code when creating/editing experiments. Currently if MINT is down, trying to create/edit an experiment results in a 'sorry something went wrong' page. The user is given no information as to what the "something" is.		Sprint 9

			<p>It should be changed as follows:</p> <p>a) If the Mint is down, the user should be able create and edit an experiment as long as they don't try to add / change or delete FOR codes.</p> <p>b) If the Mint is down, if the user tries to create/edit or delete an FOR code they should receive an error message "Unable to update FOR codes, the Mint application is not currently available - try again later"</p>		
	<a href="#">DC21-329</a>	<a href="#">Newlines in descriptions not respected</a>	<p>(Formatting issue only) When entering a description for a data file, experiment or facility, we use a text area, meaning that newlines can be entered. These are not respected when displaying the text back on the view details pages or list pages.</p>		Sprint 9
	<a href="#">DC21-272</a>	<a href="#">Facility can be edited to have no primary contact</a>	<p>(Low risk - Only occurs with very specific misuse)</p> <p>Steps to reproduce:</p> <ol style="list-style-type: none"> <li>1. go to view facility page for any facility</li> <li>2. click 'edit facility'</li> <li>3. click delete on the/all contacts</li> <li>4. click 'update'</li> <li>5. new page will be brought up with error message as expected,</li> <li>6. if you now click 'cancel', you will return to the view facility page and see that there are now no contacts listed for the facility</li> </ol> <p>This should be fixed so that if the update fails, no changes are saved to the record - i.e. we're probably missing a transaction around the update</p>		Sprint 9