Release Build B13.0 Test Procedure

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# Tools installation and configuration

Testing for Release Build B13.0 will be performed on Mac OS, Linux and Windows 10 Pro. PDS tools from previous build will be uninstall, a clean install will be performed following installation and configuration steps in each tool’s installation page. General testing using historical test bundles will be performed for each tool after installation.

| Test ID | INT.1 |
| --- | --- |
| Issue Description | pds-doi-service installation and configuration |
| Comments | Follow Installation manual page:https://github.com/NASA-PDS/doi-service/releases/tag/v2.1.4-dev |
| Test Plan | * Verify/Install Required software.
* Install pds-doi-service using pip install
* Follow config steps
* Run pds-doi-cmd –help
* Test upgrade command
 |

| Test ID | INT.2 |
| --- | --- |
| Issue Description | pds-registry-app/harvest installation and configuration |
| Comments | Follow Installation manual page:<https://nasa-pds.github.io/pds-registry-app/install/tools.html> |
| Test Plan | * Verify/Install Required software.
* Download current release
* https://github.com/NASA-PDS/pds-registry-app/releases/tag/v1.1.0-SNAPSHOT
* Follow config steps
* Verify installation
 |

| Test ID | INT.3 |
| --- | --- |
| Issue Description | PDS-Registry-APP installation and configuration |
| Comments | Follow Installation manual page:https://nasa-pds.github.io/pds-registry-app/install/index.html |
| Test Plan | * Verify/Install Required software.
* Download current release: https://github.com/NASA-PDS/pds-registry-app/releases/tag/v1.1.0-SNAPSHOT
* Follow build steps
* Verify installation
 |

| Test ID | INT.4 |
| --- | --- |
| Issue Description | pds-deep-archive installation and configuration |
| Comments | Follow Installation manual page:https://nasa-pds.github.io/pds-deep-archive/installation/index.html |
| Test Plan | * Verify/Install Required software.
* Download release from https://github.com/NASA-PDS/deep-archive/releases/tag/v1.1.0-dev
* Follow config steps
* Verify installation
* Test upgrade command
 |

| Test ID | INT.5 |
| --- | --- |
| Issue Description | validate installation and configuration |
| Comments | Follow Installation manual page:https://nasa-pds.github.io/validate/install/index.html |
| Test Plan | * Verify/Install Requirements.
* Download and unpack current version https://github.com/NASA-PDS/validate/releases/tag/v2.1.5-SNAPSHOT
* Follow config steps
* Verify installation
 |

| Test ID | INT.6 |
| --- | --- |
| Issue Description | Pds-doi-ui installation and configuration |
| Comments | Follow Installation manual page:https://github.com/NASA-PDS/pds-doi-ui#readme |
| Test Plan | * Verify/Install Requirements.
* Download and unpack current version
* Follow config steps
* Verify installation
 |

| Test ID | INT.7 |
| --- | --- |
| Issue Description | Pds-API installation and configuration |
| Comments | Follow Installation manual page:https://github.com/NASA-PDS/pds-api |
| Test Plan | * Git clone registry
* Follow instructions for launching docker
* Start docker
* Verify build in test results
* Verify swagger ui
* Perform curl command to query api.
 |

# Software Changes

## PDS-API

| Test ID | API.1 |
| --- | --- |
| Issue ID | Pds-api#169 |
| Issue Type | Requirement |
| Issue Description | As a user, I want to have a PDS Search API user guide |
| Comments |  |
| Test Plan | Read api guide at <https://nasa-pds.github.io/pds-api/>  |

| Test ID | API.2 |
| --- | --- |
| Issue ID | Pds-api#173 |
| Issue Type | Enhancement |
| Issue Description | Replace summary-only=true by limit=0 |
| Comments |  |
| Test Plan | Step 1. Start Registry dockerStep 2 query aip with curl command curl --get 'http://localhost:8080/products?limit=0' --header 'Accept: application/json' |

| Test ID | API.3 |
| --- | --- |
| Issue ID | Pds-api#148 |
| Issue Type | Requirement |
| Issue Description | As a user, I want to search for past versions of a product where the LID changed during the product history |
| Comments |  |
| Test Plan | Get test data containing products [urn:nasa:pds:context:instrument:crs.vg1::1.0](https://pds.nasa.gov/data/pds4/context-pds4/instrument/vg1.crs_1.0_deprecated.xml) and [urn:nasa:pds:context:instrument:vg1.crs::1.0](https://pds.nasa.gov/data/pds4/context-pds4/instrument/vg1.crs_1.0.xml) ingested into the registryPerform a query of the API for products/urn:nasa:pds:context:instrument:crs.vg1/all**expect** to see 2 records returned for urn:nasa:pds:context:instrument:crs.vg1::1.0 and urn:nasa:pds:context:instrument:vg1.crs::1.0 |

| Test ID | API.4 |
| --- | --- |
| Issue ID | Pds-api#60 |
| Issue Type | Requirement |
| Issue Description | As an API user, I want to know the Bundle for a given Product. |
| Comments |  |
| Test Plan | Step 1. Start registry docker with urn:nasa:pds:insight\_cameras::data::6.0 test dataStep 2. Perform a query of the API for product/{lidvid}/bundles curl --get curl --get 'http://localhost:8080/products/urn:nasa:pds:insight\_cameras::data::6.0/bundles' \ --header 'Accept: application/json' |

| Test ID | API.5 |
| --- | --- |
| Issue ID | Pds-api#101 |
| Issue Type | Requirement |
| Issue Description | As a user, I want to receive a JSON response that contains the PDS4 label metadata in JSON format (application/vnd.nasa.pds.pds4+json) |
| Comments |  |
| Test Plan | Step 1. Start registry docker with urn:nasa:pds:insight\_cameras::data::6.0 test dataStep 2. Perform a query of the API for product/{lidvid} curl --get 'http://localhost:8080/products/urn:nasa:pds:insight\_cameras::data::6.0?limit=0' \ --header ' Accept: application/vnd.nasa.pds.pds4+json ' |

| Test ID | API.6 |
| --- | --- |
| Issue ID | Pds-api#125 |
| Issue Type | Requirement |
| Issue Description | As a user, I want to receive a XML response that contains the PDS4 label metadata in XML format (application/vnd.nasa.pds.pds4+xml) |
| Comments |  |
| Test Plan | Step 1. Start registry docker with urn:nasa:pds:insight\_cameras::data::6.0 test dataStep 2. Perform a query of the API for product/{lidvid} curl --get 'http://localhost:8080/products/urn:nasa:pds:insight\_cameras::data::6.0?limit=0' \ --header 'Accept: application/vnd.nasa.pds.pds4+xml' |

| Test ID | API.7 |
| --- | --- |
| Issue ID | Pds-api#191 |
| Issue Type | Requirement |
| Issue Description | As a user, I want to get directions whenever I arrive on an API URL |
| Comments |  |
| Test Plan | Test from the production deployed links.<https://pds.nasa.gov/api> --> <https://nasa-pds.github.io/pds-api/overview.html><https://pds.nasa.gov/api/search/> --> <https://pds.nasa.gov/api/search/1.0><https://pds.nasa.gov/api/doi/> --> <https://pds.nasa.gov/api/doi/0.2><https://pds.nasa.gov/api/search/1.0> --> <https://nasa-pds.github.io/pds-api/specifications/search-v1.0.0-redoc.html><https://pds.nasa.gov/api/doi/0.2> --> <https://nasa-pds.github.io/pds-api/specifications/doi-v0.2-redoc.html> |

| Test ID | API.8 |
| --- | --- |
| Issue ID | Pds-api#183 |
| Issue Type | Enhancement |
| Issue Description | Refactor *meta* section of pds4+json and pds4+xml to use ops namespace |
| Comments | <https://nasa-pds.github.io/pds-api/guides/search/cookbook.html> |
| Test Plan | Test link for cookbook page and verify that the cookbook (or other documentation online) actually provides sufficient information for a user to understand this. |

| Test ID | API.9 |
| --- | --- |
| Issue ID | Pds-api#172 |
| Issue Type | Enhancement |
| Issue Description | Create user guide for the search api |
| Comments |  |
| Test Plan | Test link<https://github.com/NASA-PDS/pds-api/tree/pds-api-169-api-user-guide>  |

## Registry

| Test ID | REG.1 |
| --- | --- |
| Issue ID | [registry#67](https://github.com/NASA-PDS/registry/issues/67) |
| Issue Type | Bugs |
| Issue Description | As a registry node user from JPL, I want to use my JPL login to access the Registry's OpenSearch |
| Comments | Dev team agree this is not a good test case. |
| Test Plan | Skip |

| Test ID | REG.2 |
| --- | --- |
| Issue ID | [registry#64](https://github.com/NASA-PDS/registry/issues/64) |
| Issue Type | Bugs |
| Issue Description | Scalable Harvest does not replace file paths with the appropriate URL prefix |
| Comments |  |
| Test Plan | Get test data file <https://github.com/NASA-PDS/registry/files/8874341/harvest-text.xml.txt>Run ./registry-harvest-cli-1.0.0/bin/harvest-client harvest -j ./harvest-test.xml with archive bundles at the path specified (/dsk1/www/archive/pds4/non\_mission/) Wait for the job to complete Query the registry for items from the package just harvestedExpect fields to look like this:{ "\_index" : "registry", "\_type" : "\_doc", "\_id" : "urn:nasa:pds:smallbodiesoccultations:data:occsatlist\_tab::1.0", "\_score" : 5.440146, "fields" : { "ops:Data\_File\_Info/ops:file\_ref" : [ "https://sbnarchive.psi.edu/pds4/pds4/non\_mission/smallbodiesoccultations/data/occsatlist.tab" ], "ops:Label\_File\_Info/ops:file\_ref" : [ "https://sbnarchive.psi.edu/pds4/pds4/non\_mission/smallbodiesoccultations/data/occsatlist.xml" ] } |

## Registry-api

| Test ID | REG\_API.1 |
| --- | --- |
| Issue ID | [registry-api#134](https://github.com/NASA-PDS/registry-api/issues/134) |
| Issue Type | Bugs |
| Issue Description | wildcard search in query parameter returning odd results |
| Comments | Need to load Insight RAD and Insight HP3 test data to docker |
| Test Plan | Start registry dockerQuery API with wildcardcurl --location --request GET 'http://localhost:8080/products?limit=10&q=title eq "InSight RAD\*"&fields=title' \--header 'Accept: text/csv'Expect return only products with title start with "InSight RAD" |

| Test ID | REG\_API.2 |
| --- | --- |
| Issue ID | [registry-api#121](https://github.com/NASA-PDS/registry-api/issues/121) |
| Issue Type | Bugs |
| Issue Description | Fix vulnerabilities raised by sonalift |
| Comments |  |
| Test Plan | See <https://lift.sonatype.com/results/github.com/NASA-PDS/registry-api>  |

| Test ID | REG\_API.3 |
| --- | --- |
| Issue ID | [registry-api#141](https://github.com/NASA-PDS/registry-api/issues/141) |
| Issue Type | Bugs |
| Issue Description | / is not returning swagger API doc |
| Comments |  |
| Test Plan | Start registry dockerPoint url to <http://localhost:8080/> Should show swagger-ui.html |

| Test ID | REG\_API.4 |
| --- | --- |
| Issue ID | [registry-api#162](https://github.com/NASA-PDS/registry-api/issues/162) |
| Issue Type | Bugs |
| Issue Description | fields parameter does not return values if more than one value is requested for CSV format |
| Comments |  |
| Test Plan | Start registry dockerQuery api$ curl --location --request GET 'http://localhost:8080/gid/bundle?fields=lid,lidvid,ops:Data\_File\_Info.ops:creation\_date\_time' --header 'Accept: text/csv'Expected returnlid,lidvid,ops:Data\_File\_Info/ops:creation\_date\_time"urn:nasa:pds:insight\_rad","urn:nasa:pds:insight\_rad::2.1", |

| Test ID | REG\_API.5 |
| --- | --- |
| Issue ID | [registry-api#171](https://github.com/NASA-PDS/registry-api/issues/171) |
| Issue Type | Bugs |
| Issue Description | summary does not contain the property values |
| Comments |  |
| Test Plan | Start registry dockercurl --request GET '[http://localhost:8080/collections/urn:nasa:pds:insight\_rad:data\_derived::7.0/products?summary-only=true](http://localhost:8080/collections/urn%3Anasa%3Apds%3Ainsight_rad%3Adata_derived%3A%3A7.0/products?summary-only=true)'The properties used by the products of this collection should be listed.  |

| Test ID | REG\_API.6 |
| --- | --- |
| Issue ID | [registry-api#137](https://github.com/NASA-PDS/registry-api/issues/137) |
| Issue Type | Bugs |
| Issue Description | Log4j vulnerability in lexer |
| Comments |  |
| Test Plan | Skip |

| Test ID | REG\_API.7 |
| --- | --- |
| Issue ID | [registry-api#150](https://github.com/NASA-PDS/registry-api/issues/150) |
| Issue Type | Bugs |
| Issue Description | bundle of a product does not return result |
| Comments |  |
| Test Plan | Load registry dockerGo to:[http://localhost:8081/uid/urn:nasa:pds:insight\_rad:data\_derived:hp3\_rad\_der\_00014\_20181211\_073042::1.0/referencing/bundle](http://localhost:8081/uid/urn%3Anasa%3Apds%3Ainsight_rad%3Adata_derived%3Ahp3_rad_der_00014_20181211_073042%3A%3A1.0/referencing/bundle)The request [http://localhost:8081/uid/urn:nasa:pds:insight\_rad:data\_derived:hp3\_rad\_der\_00014\_20181211\_073042::1.0/referencing/bundle](http://localhost:8081/uid/urn%3Anasa%3Apds%3Ainsight_rad%3Adata_derived%3Ahp3_rad_der_00014_20181211_073042%3A%3A1.0/referencing/bundle) should return the description of the bundle of the requested product  |

| Test ID | REG\_API.8 |
| --- | --- |
| Issue ID | [registry-api#128](https://github.com/NASA-PDS/registry-api/issues/128) |
| Issue Type | Bugs |
| Issue Description | Registry API Service docker container fails to start with error: Unable to access jarfile /usr/local/registry-api-service/registry-api-service.jar |
| Comments |  |
| Test Plan | Load registry docker git clone <https://github.com/NASA-PDS/registry.git>  cd docker/certs  ./generate-certs.sh  cd ..  docker compose --profile=pds-core-registry up  |

| Test ID | REG\_API.9 |
| --- | --- |
| Issue ID | [registry-api#172](https://github.com/NASA-PDS/registry-api/issues/172) |
| Issue Type | Bugs |
| Issue Description | fields query parameter does not work consistently across all response formats |
| Comments |  |
| Test Plan | 1st querycurl --get https://pds.nasa.gov/api/search-sbnumd/1.0/bundles/urn:nasa:pds:gbo-kpno::4.0/collections --data-urlencode 'fields=Time\_Coordinates.start\_date\_time' | json\_pp2nd querycurl --get 'https://pds.nasa.gov/api/search-sbnumd/1.0/bundles/urn:nasa:pds:gbo-kpno::4.0/collections' --data-urlencode 'fields=pds:Time\_Coordinates.pds:start\_date\_time' --header "Accept: text/csv" The results have to be consistence |

| Test ID | REG\_API.10 |
| --- | --- |
| Issue ID | [registry-api#167](https://github.com/NASA-PDS/registry-api/issues/167) |
| Issue Type | Bugs |
| Issue Description | summary-only does not work as expected |
| Comments |  |
| Test Plan | Load registry docker$ curl --location --request GET 'http://localhost:8080/uid/urn:nasa:pds:insight\_rad:data\_derived::7.0/referencing/product?limit=0&fields=lid,lidvid' --header 'Accept: application/json'Expected behavior{ "summary":{"q":"","hits":7,"took":7,"start":0,"limit":0,"sort":[],"properties":["lid","lidvid"]}} |

| Test ID | REG\_API.11 |
| --- | --- |
| Issue ID | [registry-api#178](https://github.com/NASA-PDS/registry-api/issues/178) |
| Issue Type | Bugs |
| Issue Description | The /products, /bundles & /collections endpoints are missing from the API |
| Comments |  |
| Test Plan | Load registry docker$ curl --location --request GET 'http://localhost:8080/products?limit=10 ' --header 'Accept: application/json'Should not receive a 404 |

| Test ID | REG\_API.12 |
| --- | --- |
| Issue ID | [registry-api#179](https://github.com/NASA-PDS/registry-api/issues/179) |
| Issue Type | Bugs |
| Issue Description | limit=0 is not providing list of properties (fka summary-only) |
| Comments |  |
| Test Plan | Load registry docker$ curl --location --request GET 'http://localhost:8080/products?limit=0 ' --header 'Accept: application/json'Observe results should have a properties section |

| Test ID | REG\_API.13 |
| --- | --- |
| Issue ID | [registry-api#152](https://github.com/NASA-PDS/registry-api/issues/152) |
| Issue Type | Bugs |
| Issue Description | summary-only does not work on products of a collection |
| Comments |  |
| Test Plan | Go to [http://pds.nasa.gov/api/search-sbnpsi/1.0/collections/:lidvid/products?summary-only=true](http://pds.nasa.gov/api/search-sbnpsi/1.0/collections/%3Alidvid/products?summary-only=true)Should not see a 500 return |

| Test ID | REG\_API.14 |
| --- | --- |
| Issue ID | [registry-api#109](https://github.com/NASA-PDS/registry-api/issues/109) |
| Issue Type | Requirement |
| Issue Description | As a user, I want to have an administrator contact when I am getting an error 500 from the server |
| Comments |  |
| Test Plan | Already tested in milestone test, see test rail for test steps.Should see an updated error message to contact pds-operator |

| Test ID | REG\_API.15 |
| --- | --- |
| Issue ID | [registry-api#108](https://github.com/NASA-PDS/registry-api/issues/108) |
| Issue Type | Enhancement |
| Issue Description | Remove the home controller from the swagger-ui |
| Comments |  |
| Test Plan | Start registry dockerGo to Swagger home pagehome controller should not show in the welcome page |

| Test ID | REG\_API.16 |
| --- | --- |
| Issue ID | [registry-api#131](https://github.com/NASA-PDS/registry-api/issues/131) |
| Issue Type | Enhancement |
| Issue Description | Refactor API endpoints for simpler architecture/design/implementation to maintain/extend |
| Comments |  |
| Test Plan | Start registry dockerGo to Swagger home pageObserve the endpoints in welcome page |

| Test ID | REG\_API.17 |
| --- | --- |
| Issue ID | [registry-api#140](https://github.com/NASA-PDS/registry-api/issues/140) |
| Issue Type | Enhancement |
| Issue Description | Add back the Dockerfile used for the AWS/Fargate deployment |
| Comments | Not testable |
| Test Plan | Skip |

## Registry-mgr

| Test ID | REG\_MGR.1 |
| --- | --- |
| Issue ID | [registry-mgr#53](https://github.com/NASA-PDS/registry-mgr/issues/53) |
| Issue Type | Bug |
| Issue Description | bug with pagination limitations per OpenSearch config |
| Comments |  |
| Test Plan | curl --request GET '<https://pds.nasa.gov/api/search/1.0/products?q=pds:Identification_Area.pds:product_class> eq "Product\_Observational"&limit=500&fields=pds:Science\_Facets.pds:discipline\_name,lidvid,ops:Harvest\_Info.ops:node\_name&start=10000'Should not get error 500 |

| Test ID | REG\_MGR.2 |
| --- | --- |
| Issue ID | [registry-mgr#50](https://github.com/NASA-PDS/registry-mgr/issues/50) |
| Issue Type | Bug |
| Issue Description | As a user I want to search on ref\_lid\_\* |
| Comments | Covered testing registry-api#150 |
| Test Plan | Prepare docker with test datasetsGo to:[http://localhost:8081/uid/urn:nasa:pds:insight\_rad:data\_derived:hp3\_rad\_der\_00014\_20181211\_073042::1.0/referencing/bundle](http://localhost:8081/uid/urn%3Anasa%3Apds%3Ainsight_rad%3Adata_derived%3Ahp3_rad_der_00014_20181211_073042%3A%3A1.0/referencing/bundle)The request [http://localhost:8081/uid/urn:nasa:pds:insight\_rad:data\_derived:hp3\_rad\_der\_00014\_20181211\_073042::1.0/referencing/bundle](http://localhost:8081/uid/urn%3Anasa%3Apds%3Ainsight_rad%3Adata_derived%3Ahp3_rad_der_00014_20181211_073042%3A%3A1.0/referencing/bundle) should return the description of the bundle of the requested product |

## Doi Service

| Test ID | DOI.1 |
| --- | --- |
| Issue ID | [doi-service#350](https://github.com/NASA-PDS/doi-service/issues/350) |
| Issue Type | Bug |
| Issue Description | dataCite reserve error on title |
| Comments |  |
| Test Plan | Download test file <https://github.com/NASA-PDS/doi-service/files/9262538/DOI_reserve_template.1bebacc3.xlsx> Run commandpds-doi-cmd reserve -s loubrieu@jpl.nasa.gov -i ~/Downloads/DOI\_reserve\_template.1bebacc3.xlsx --node engThe reserve action should work |

| Test ID | DOI.2 |
| --- | --- |
| Issue ID | [doi-service#331](https://github.com/NASA-PDS/doi-service/issues/331) |
| Issue Type | Bug |
| Issue Description | doi sync failing for SBN-PSI DOIs |
| Comments |  |
| Test Plan | Download test filesRun doi-service on the test filesSoftware should not ingest bad value files |

| Test ID | DOI.2 |
| --- | --- |
| Issue ID | [doi-service#331](https://github.com/NASA-PDS/doi-service/issues/331) |
| Issue Type | Bug |
| Issue Description | doi sync failing for SBN-PSI DOIs |
| Comments |  |
| Test Plan | Download test filesRun doi-service on the test filesSoftware should not ingest bad value files |

| Test ID | DOI.3 |
| --- | --- |
| Issue ID | [doi-service#336](https://github.com/NASA-PDS/doi-service/issues/336) |
| Issue Type | Bug |
| Issue Description | DOI-service application inaccurately reports LID as being invalid |
| Comments |  |
| Test Plan | Download test files <https://github.com/NASA-PDS/doi-service/files/8863411/ATMOS_Bundles_20220606.zip> Run doi-service on the test filespds-doi-cmd release -N atm -s rsjoyner@jpl.nasa.gov -i /home/pds4/input/ATM/Bundles\_20220606/ --force --no-review > /home/pds4/result\_activate\_no\_review\_ATMOS\_Bundles\_20220606.jsonapplication should not inaccurately report the valid LID as being an invalid LIDVID |

| Test ID | DOI.4 |
| --- | --- |
| Issue ID | [doi-service#328](https://github.com/NASA-PDS/doi-service/issues/328) |
| Issue Type | Bug |
| Issue Description | Valid PDS4 xml input is converted into an invalid json that fails internal datacite validator |
| Comments |  |
| Test Plan | Download test files <https://github.com/NASA-PDS/doi-service/files/8326880/bundle_edited2.xml.zip> pds-doi-cmd release -s loubrieu@jpl.nasa.gov -N eng -i ~/tmp/bundle\_edited.xml –forceDownload test files <https://github.com/NASA-PDS/doi-service/files/8922048/galileo-epd-cal-corrected.zip>pds-doi-cmd release -N ppi -s [rsjoyner@jpl.nasa.gov](mailto:rsjoyner@jpl.nasa.gov) -i /home/pds4/input/PPI/Bundles\_20220616/ --force --no-review > /home/pds4/result\_activate\_no\_review\_PPI\_EDP\_CAL\_20220616.json |

| Test ID | DOI.5 |
| --- | --- |
| Issue ID | [doi-service#13](https://github.com/NASA-PDS/doi-service/issues/13) |
| Issue Type | Requirement |
| Issue Description | The software shall validate the DOI metadata when reserving, releasing, or updating a DOI |
| Comments |  |
| Test Plan | Validated with doi-service#328 |

| Test ID | DOI.6 |
| --- | --- |
| Issue ID | [doi-service#224](https://github.com/NASA-PDS/doi-service/issues/224) |
| Issue Type | Requirement |
| Issue Description | As a DOI user, I would like to know the licensing information PDS data |
| Comments |  |
| Test Plan | Create a new doiValidate CCO licensing info is included in the DOI metadata. |

| Test ID | DOI.7 |
| --- | --- |
| Issue ID | [doi-service#335](https://github.com/NASA-PDS/doi-service/issues/335) |
| Issue Type | Requirement |
| Issue Description | As a DOI user, I would like to know the copyright for PDS data |
| Comments |  |
| Test Plan | Create a new doiValidate "US Government Works" copyright is included in the DOI metadata. |

| Test ID | DOI.8 |
| --- | --- |
| Issue ID | [doi-service#344](https://github.com/NASA-PDS/doi-service/issues/344) |
| Issue Type | Requirement |
| Issue Description | As a user, I want to release a DOI with a label that does not contain the DOI |
| Comments |  |
| Test Plan | release a DOI for a product even if it doesn't contain the DOI in the labelUsing this test file and remove the DOI section <https://pds-imaging.jpl.nasa.gov/data/nsyt/insight_cameras/bundle_13.0.xml>  |

## DOI User Interface

| Test ID | DOI-UI.1 |
| --- | --- |
| Issue ID | [doi-ui#151](https://github.com/NASA-PDS/doi-ui/issues/151) |
| Issue Type | Bug |
| Issue Description | Error messages are inconsistent |
| Comments |  |
| Test Plan | Submit any erroneous data in create, reserve or release. The error message will be shown without the "title" or "description" labels. |

| Test ID | DOI-UI.2 |
| --- | --- |
| Issue ID | [doi-ui#130](https://github.com/NASA-PDS/doi-ui/issues/130) |
| Issue Type | Bug |
| Issue Description | Remove vulnerabilities from the package per npm audit |
| Comments |  |
| Test Plan | Git clone doi-uiNpm installThere should be no critical or high vulnerabilities |

| Test ID | DOI-UI.3 |
| --- | --- |
| Issue ID | [doi-ui#160](https://github.com/NASA-PDS/doi-ui/issues/160) |
| Issue Type | Bug |
| Issue Description | Sometimes there is a null error message when there is no error |
| Comments |  |
| Test Plan | 1. Go to 'reserve', create an excel with lidvid urn:nasa:pds:insight\_cameras::55.0
2. Publish the DOI from the label, upload the label <https://raw.githubusercontent.com/NASA-PDS/doi-service/demo_20220722/tests/end_to_end/bundle_pds4.xml> (update it as necessary from the github repo, on branch 'demo\_20220722')
3. See error in UI (should not have one)
 |

| Test ID | DOI-UI.4 |
| --- | --- |
| Issue ID | [doi-ui#155](https://github.com/NASA-PDS/doi-ui/issues/155) |
| Issue Type | Bug |
| Issue Description | Keywords text box and info icon do not appear correctly |
| Comments |  |
| Test Plan | Go to <https://pds-gamma.jpl.nasa.gov/tools/doi-editor/#/release/MEX-Y/M-SPI-2-UVEDR-RAWXCRU/MARS-V2.0> |

| Test ID | DOI-UI.5 |
| --- | --- |
| Issue ID | [doi-ui#92](https://github.com/NASA-PDS/doi-ui/issues/92) |
| Issue Type | Requirement |
| Issue Description | As a user, I want to get an error message with support contact when the backend API is unavailable |
| Comments |  |
| Test Plan | Kill backend api servicesearch or any type of operations involving the request to the API**expect** a popup message signifying the failure to the user and providing a point of contact to reach for support. |

| Test ID | DOI-UI.6 |
| --- | --- |
| Issue ID | [doi-ui#145](https://github.com/NASA-PDS/doi-ui/issues/145) |
| Issue Type | Requirement |
| Issue Description | As a user, I want to access the DOI UI from outside JPL |
| Comments |  |
| Test Plan | Do not connect to JPL VPNMake a request on <https://pds.jpl.nasa.gov/tools/doi-editor/>**expect** to be requested an authentication and be able to use the application |

| Test ID | DOI-UI.7 |
| --- | --- |
| Issue ID | [doi-ui#149](https://github.com/NASA-PDS/doi-ui/issues/149) |
| Issue Type | Enhancement |
| Issue Description | create an ASR for the application |
| Comments |  |
| Test Plan | ASR is created for DOI UI & API. ASR number is 2056. |

| Test ID | DOI-UI.8 |
| --- | --- |
| Issue ID | [doi-ui#147](https://github.com/NASA-PDS/doi-ui/issues/147) |
| Issue Type | Enhancement |
| Issue Description | Replace authentication with Cognito on DOI UI and DOI service |
| Comments |  |
| Test Plan | The cognito connection has been successfully tested on pds-gamma, see <http://pds-gamma.jpl.nasa.gov/tools/doi-editor> |

## Harvest

| Test ID | HARV.8 |
| --- | --- |
| Issue ID | [harvest#90](https://github.com/NASA-PDS/harvest/issues/90) |
| Issue Type | Bug |
| Issue Description | Incorrect "lidvid" and "\_id" fields are ingested (trailing zeros are truncated) |
| Comments |  |
| Test Plan | Follow test steps in testrail.<https://cae-testrail.jpl.nasa.gov/testrail/index.php?/cases/view/1127359&group_by=cases:section_id&group_order=asc&group_id=90426>  |

## pds4-information-model

| Test ID | IM.1 |
| --- | --- |
| Issue ID | pds4-information-model#468 |
| Issue Type | Bug |
| Issue Description | LDDTool is generating multiple Schematron rules to test the same condition |
| Comments | Based on LDDTool version fixes, not information model. |
| Test Plan | 1. Execute ‘lddtool -lp -V1J00 PDS4\_CLIPPER\_IngestLDD.xml’
	1. Execute ‘grep “disp:Movie\_Display\_settings” PDS4\_DISP\_1J00\_1510.sch’ | wc -l’ to verify it is 1
2. Execute ‘lddtool -lp -V1I00 PDS4\_CLIPPER\_IngestLDD.xml’
	1. Execute ‘grep “disp:Movie\_Display\_settings” PDS4\_DISP\_1I00\_1510.sch’ | wc -l’ to verify it is greater than 1
 |

| Test ID | IM.2 |
| --- | --- |
| Issue ID | pds4-information-model#499 |
| Issue Type | Requirement |
| Issue Description | CCB-348: Add Units\_of\_Mass\_Density as a unit of measure |
| Comments | Utilize modified test data at (<https://github.com/NASA-PDS/pds4-information-model/files/8308709/Archive.zip>) to include  |
| Test Plan | Verify XSD and SCH files show Units of Mass Density in both kg/m3 and g/cm3 everywhere time is provided as a unit. Execute the following: 1. validate -t badtype.xml
2. validate -t shouldpass.xml

The former file should fail. The latter file should pass. This test passes if both conditions are met. |

## Validate

| Test ID | VAL.1 |
| --- | --- |
| Issue ID | validate#496, validate#482 |
| Issue Type | requirement |
| Issue Description | Support new lblx file extension |
| Comments | As a user, I want to validate labels/bundles/collections using the LBLX file extension |
| Test Plan | Verify that the new LBLX extension validates and that the original XML extension still validates:1. LBLX: Execute ‘validate -R pds4.bundle /data/int/datasets/validate/482/testdata/bundle1/bundle\_kaguya\_derived.lblx --label-extension lblx’
	1. Verify that all files pass.
	2. Verify that 3 products passed and 3 checks passed
2. XML: Execute ‘validate -R pds4.bundle /data/int/datasets/validate/482/testdata/bundle2/bundle\_kaguya\_derived.xml --label-extension xml’
	1. Verify that all files pass.
	2. Verify that 3 products passed and 3 checks passed
 |

| Test ID | VAL.2 |
| --- | --- |
| Issue ID | validate#479 |
| Issue Type | bug |
| Issue Description | Validate erroneously flags PDF/A-1a compliant file |
| Comments |  |
| Test Plan | 1. Execute ‘validate -t M2020\_SuperCam\_EDR\_RDR\_SIS.xml’
	1. Verify that the following ERROR does not appear in output: ‘ERROR [error.pdf.file.not\_pdfa\_compliant]’
 |

| Test ID | VAL.3 |
| --- | --- |
| Issue ID | validate#503 validate#507 |
| Issue Type | bug |
| Issue Description | Validate passes confusing message to the command window |
| Comments | NEED CATALOG FILE |
| Test Plan | 1. Execute `validate 503\cdap2018\_becker\_saturn\_ring\_particles\_V9 -C .\catalog.xml -R pds4.bundle -v 2 -r becker-bundle\_V9-0n.log’
	1. Verify that ‘java.io.FileNotFoundException’ is not present in output for ‘\*.tab’ data files, e.g. ‘java.io.FileNotFoundException: null\uvis\_euv\_2005\_159\_solar\_time\_series\_ingress.tab’
 |

| Test ID | VAL.4 |
| --- | --- |
| Issue ID | validate#524 |
| Issue Type | requirement |
| Issue Description | As a user, I want to receive an error when no products are found within the validation target |
| Comments |  |
| Test Plan | Verify that an error is reported when no products match the extension target:1. Execute ‘validate -R pds4.bundle /data/jenkins/workspace/console-regression-tests\_develop/datasets/validate/524/testdata/bundle1/bundle\_kaguya\_derived.lblx --label-extension xml’
	1. Verify that error ‘error.execution.no\_products\_found’ is reported
	2. Verify that a warning reports ‘warning.file.not\_referenced\_in\_label’
2. Execute ‘validate -R pds4.bundle /data/jenkins/workspace/console-regression-tests\_develop/datasets/validate/524/testdata/bundle2/bundle\_kaguya\_derived.xml --label-extension lblx’
	1. Verify that error ‘error.execution.no\_products\_found’ is reported
	2. Verify that a warning reports ‘warning.file.not\_referenced\_in\_label’
 |

| Test ID | VAL.5 |
| --- | --- |
| Issue ID | validate#425 validate#480 |
| Issue Type | requirement |
| Issue Description | Validate does not calculate overlaps correctly when Header is not first object in file |
| Comments |  |
| Test Plan | 1. Execute ‘validate -t test.xml` with the ‘test.xml’ file that contains data-header-data
	1. Verify that no error is reported and the product validates successfully.
2. Execute ‘validate -t ZiWei\_boulder\_data.xml’ with the test file ‘ZiWei\_boulder\_data.xml’ containing invalid offsets.
	1. Verify that an error is printed citing invalid offsets
3. Execute ‘validate -t phe\_misc\_temperature\_reference\_20190524.xml’ with a FITS file that includes offsets.
	1. verify that the product passes without offset errors.
 |