

# Defence Research and Development Organisation(DESIDOC)



## Change Management Document

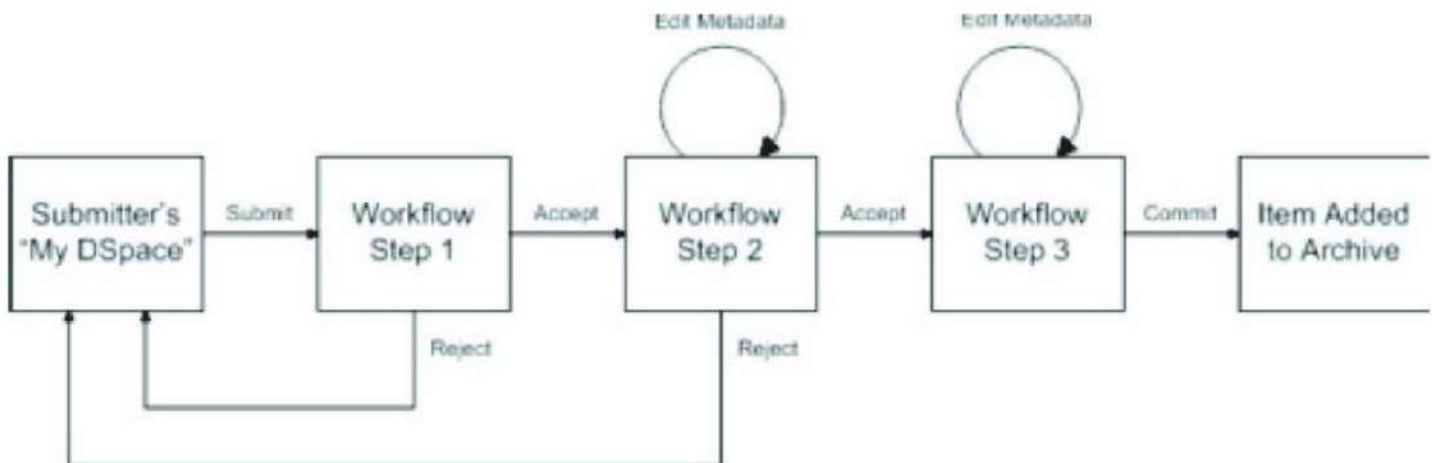
# Purpose

This document will serve as the official process of Change Management for DRDO. This document will introduce the changes made in Official DRDO Website with complete process and workflow. It is a living document and should be analyzed and assessed on a regular basis.

# Scope

The scope of this document is to define the Change Management Process, and process inputs from, and outputs to, other process areas. Other service management areas are detailed in separate documentation. This document includes the necessary components of the Process that have been confirmed for the organization.

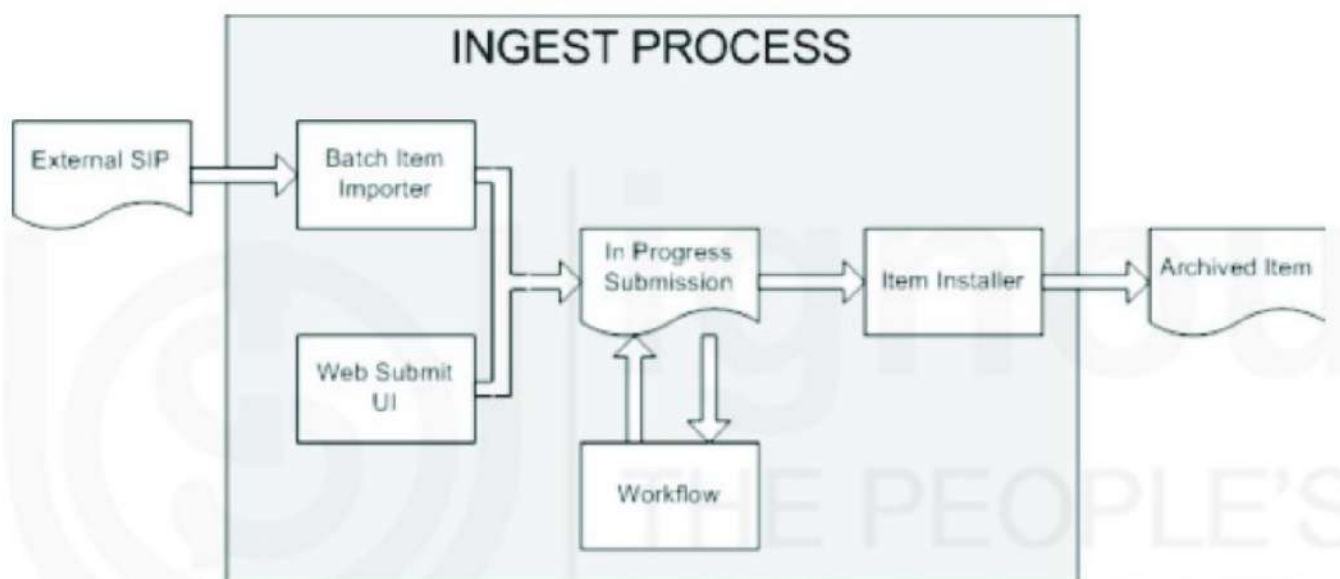
# Change Management Submission Workflow



**Fig. 7.2: Submission Workflow in DSpace**

(Source: <https://wiki.duraspace.org/display/DSDOC4x/Functional+Overview>)

## Dspace Ingest Process



**Fig. 7.1: DSpace Ingest Process**

(Source: <https://wiki.duraspace.org/display/DSDOC4x/Functional+Overview>)

# Data Model Diagram

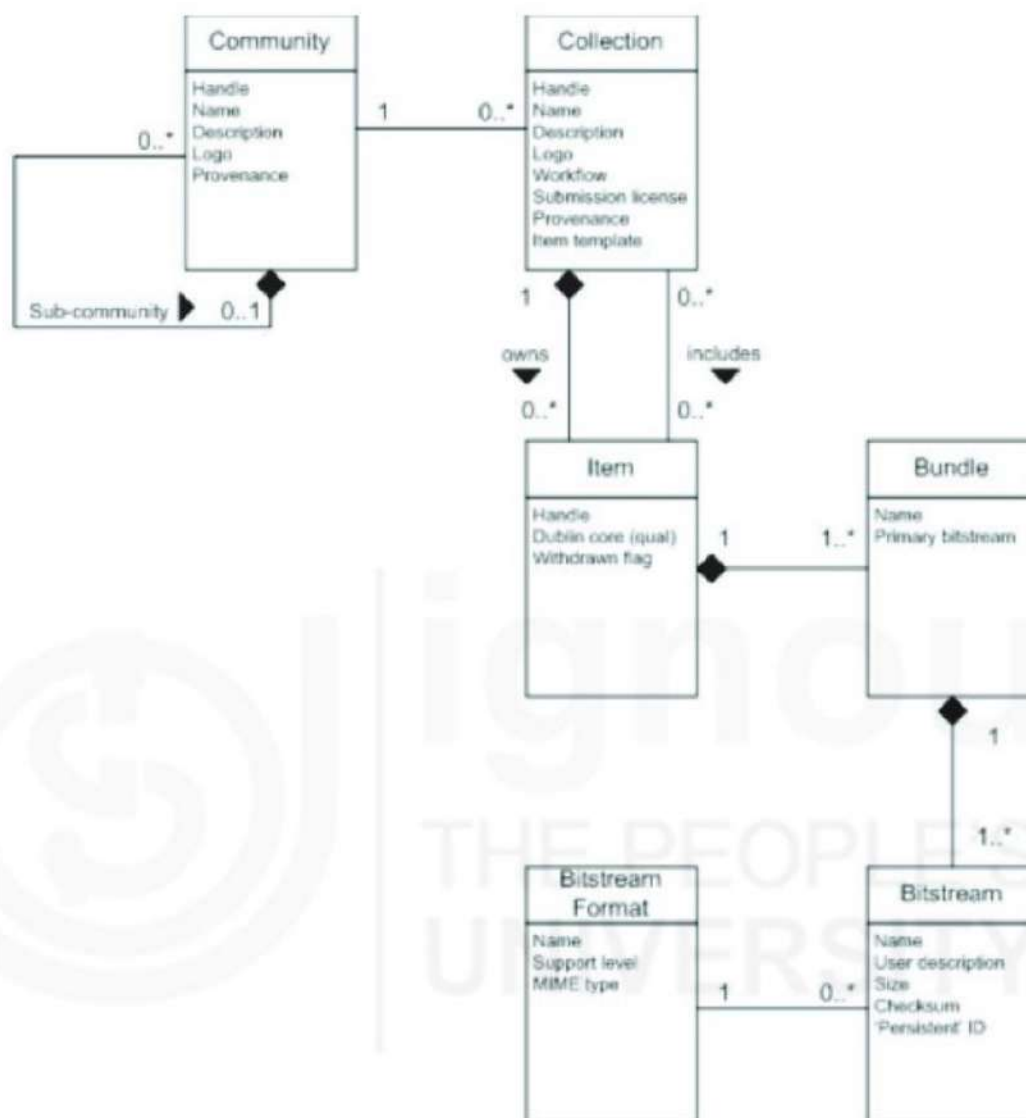


Fig. 7.3: Data Model Diagram

(Source: <https://wiki.duraspace.org/display/DSDOC4x/Functional+Overview>)

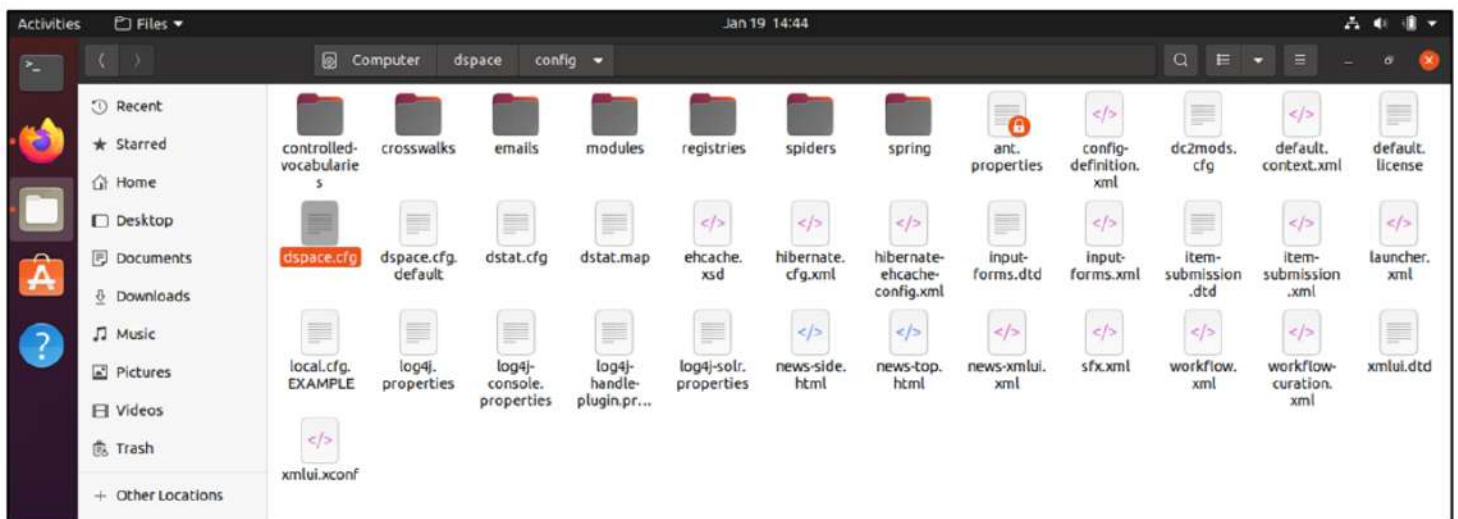
# List of Changes with Process

- Language Change
- Adding Thumbnail
- Adding Restriction on File Access
- Introducing Spell Checking

# Language Change

## Flow - >

1 .Open File: dspace/config/dspace.cfg



2 . Edit the file: dspace.cfg

From: webui.supported.locales = en, de

```
Open  *dspace.cfg  Save
/dspace/config
1236 # Default Locale
1237 # A Locale in the form country or country_language or country_language_variant
1238 # if no default locale is defined the server default locale will be used.
1239 default.locale = en
1240 webui.supported.locales = en, de
1241
1242 # All the Locales, that are supported by this instance of DSpace
1243 # A comma-separated list of Locales. All types of Locales country, country_language, country_language_variant
1244 # Note that the appropriate file are present, especially that all the Messages_x.properties are there
```

To:webui.supported.locales = en, gu, hi, ar

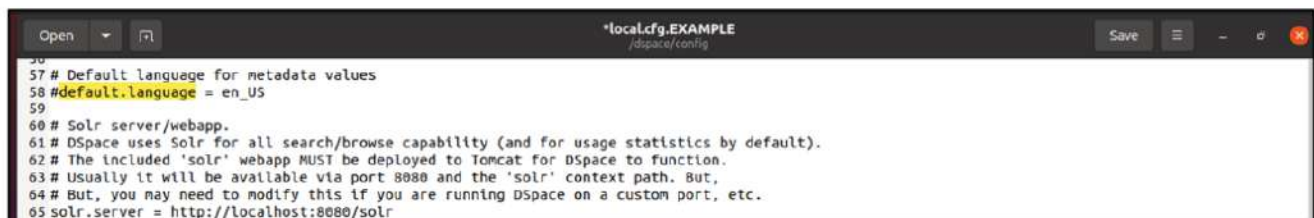


```
1236 # Default Locale
1237 # A Locale in the form country or country_language or country_language_variant
1238 # if no default locale is defined the server default locale will be used.
1239 default.locale = en
1240 webui.supported.locales = en, gu, hi, ar|
1241
1242 # All the Locales, that are supported by this instance of DSpace
1243 # A comma-separated list of Locales. All types of Locales country, country_language, country_language_variant
1244 # Note that the appropriate file are present, especially that all the Messages_x.properties are there
1245 # may be used, e. g: webui.supported.locales = en, de
```

### 3 . Edit: local.cfg.EXAMPLE

Add: webui.supported.locales = en, gu, hi, ar

From :



```
57 # Default language for metadata values
58 #default.language = en_US
59
60 # Solr server/webapp.
61 # DSpace uses Solr for all search/browse capability (and for usage statistics by default).
62 # The included 'solr' webapp MUST be deployed to Tomcat for DSpace to function.
63 # Usually it will be available via port 8080 and the 'solr' context path. But,
64 # But, you may need to modify this if you are running DSpace on a custom port, etc.
65 solr.server = http://localhost:8080/solr
```

To:



```
56|
57 # Default language for metadata values
58 #default.language = en_US
59 webui.supported.locales = gu, en, hi, ar
60
61 # Solr server/webapp.
62 # DSpace uses Solr for all search/browse capability (and for usage statistics by default).
63 # The included 'solr' webapp MUST be deployed to Tomcat for DSpace to function.
64 # Usually it will be available via port 8080 and the 'solr' context path. But,
65 # But, you may need to modify this if you are running DSpace on a custom port, etc.
66 solr.server = http://localhost:8080/solr
```



Output:



JSP VIEW

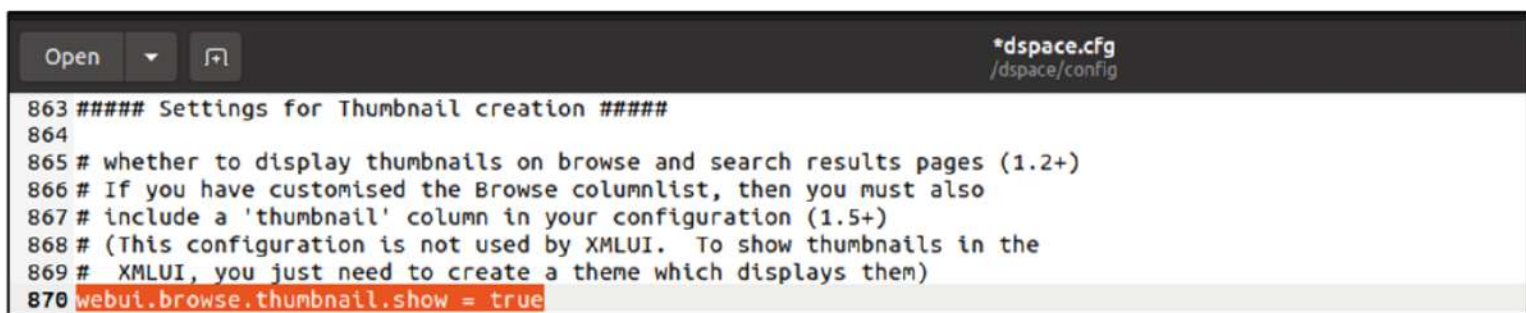


XMLUI VIEW



# Adding Thumbnail in Dspace

- 1.Open file: dspace/config/dspace.cfgf
- 2.Set: webui.browse.thumbnail.show = true
- 3.Set: webui.item.thumbnail.show = true



```
863 ##### Settings for Thumbnail creation #####
864
865 # whether to display thumbnails on browse and search results pages (1.2+)
866 # If you have customised the Browse columnlist, then you must also
867 # include a 'thumbnail' column in your configuration (1.5+)
868 # (This configuration is not used by XMLUI. To show thumbnails in the
869 # XMLUI, you just need to create a theme which displays them)
870 webui.browse.thumbnail.show = true
```



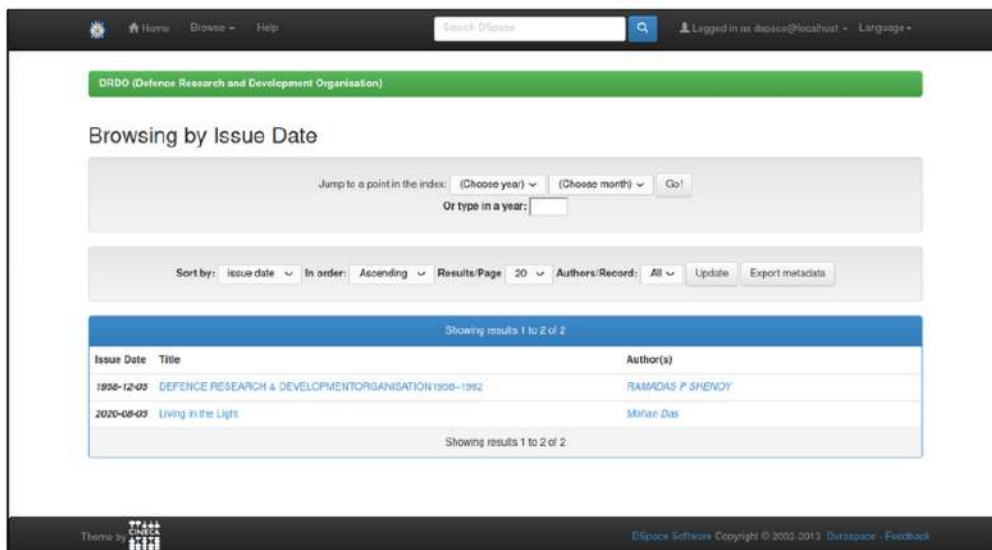
```
877
878 # whether to display the thumb against each bitstream (1.2+)
879 # (This configuration is not used by XMLUI. To show thumbnails in the
880 # XMLUI, you just need to create a theme which displays them)
881 webui.item.thumbnail.show = true
882
883 # where should clicking on a thumbnail from browse/search take the user
884 # Only values currently supported are "item" and "bitstream"
885 #webui.browse.thumbnail.linkbehaviour = item
```

- 4.Open Terminal
- 5.Login as Admin (sudo su)
- 6.Enter Command -> 1 or 2

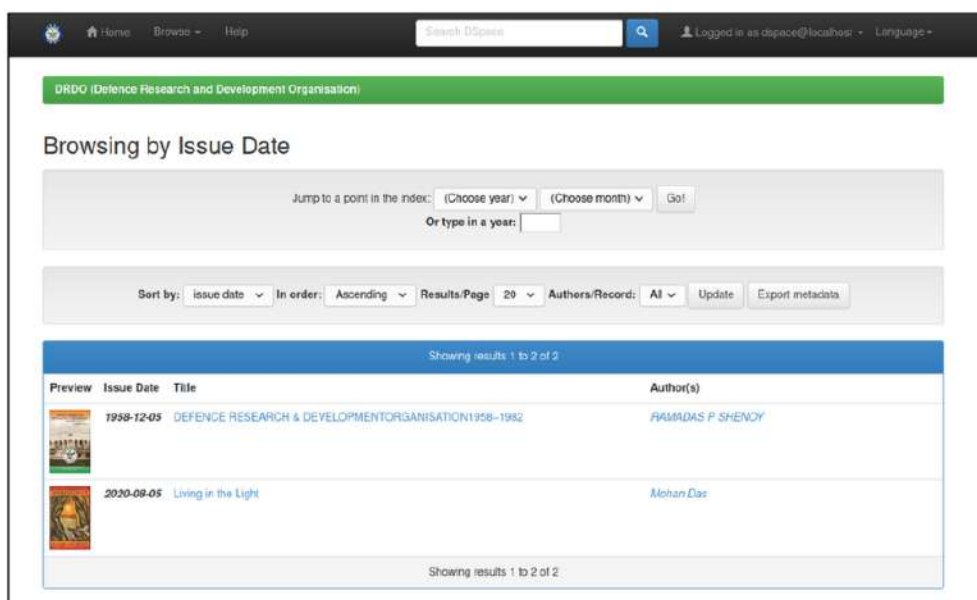
Command 1: /dspace/bin/dspace filter-media :- For Regeneration Thumbnails that are not Generated.

```
root@rahul-VirtualBox: /home/rahul
rahul@rahul-VirtualBox:~$ sudo su
[sudo] password for rahul:
root@rahul-VirtualBox:/home/rahul# /dspace/bin/dspace filter-media
File: 8-defence-research.pdf.txt
FILTERED: bitstream 4809c5a8-64b0-4ff0-a974-6ee14caf67b3 (item: 123456789/6) and created '8-defence-research.pdf.txt'
File: 8-defence-research.pdf.jpg
FILTERED: bitstream 4809c5a8-64b0-4ff0-a974-6ee14caf67b3 (item: 123456789/6) and created '8-defence-research.pdf.jpg'
File: Living in the Light A guide to personal transformation ( PDFDrive ).pdf.txt
FILTERED: bitstream e9dcf6cd-a507-475c-bf67-5df63a42e718 (item: 123456789/7) and created 'Living in the Light A guide to
personal transformation ( PDFDrive ).pdf.txt'
File: Living in the Light A guide to personal transformation ( PDFDrive ).pdf.jpg
FILTERED: bitstream e9dcf6cd-a507-475c-bf67-5df63a42e718 (item: 123456789/7) and created 'Living in the Light A guide to
personal transformation ( PDFDrive ).pdf.jpg'
root@rahul-VirtualBox:/home/rahul#
```

Before:

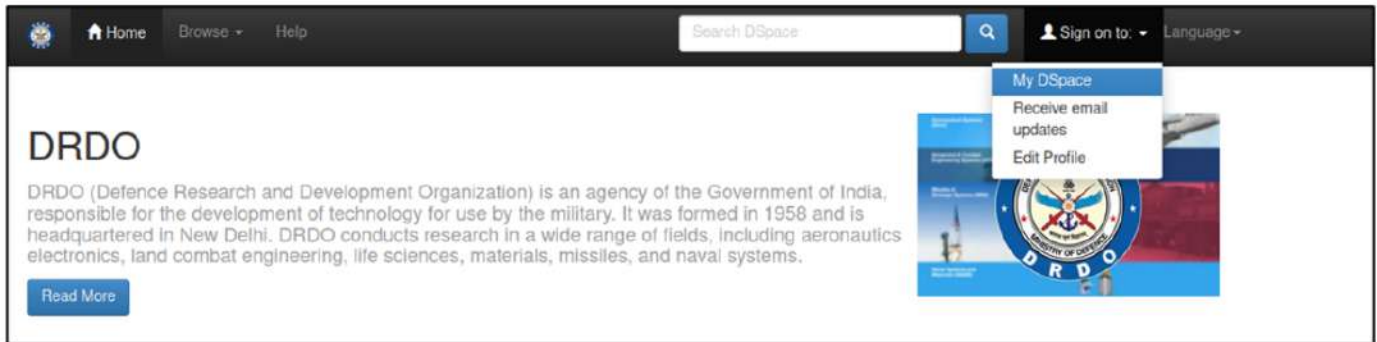


After :

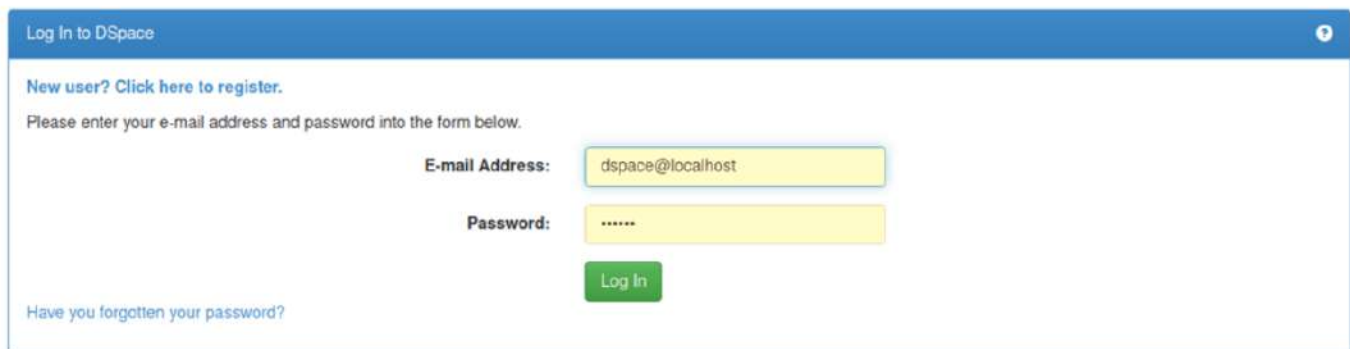


# Adding Restriction on File Access:

1. Click on Sign In -> Option
2. Select My Dspace

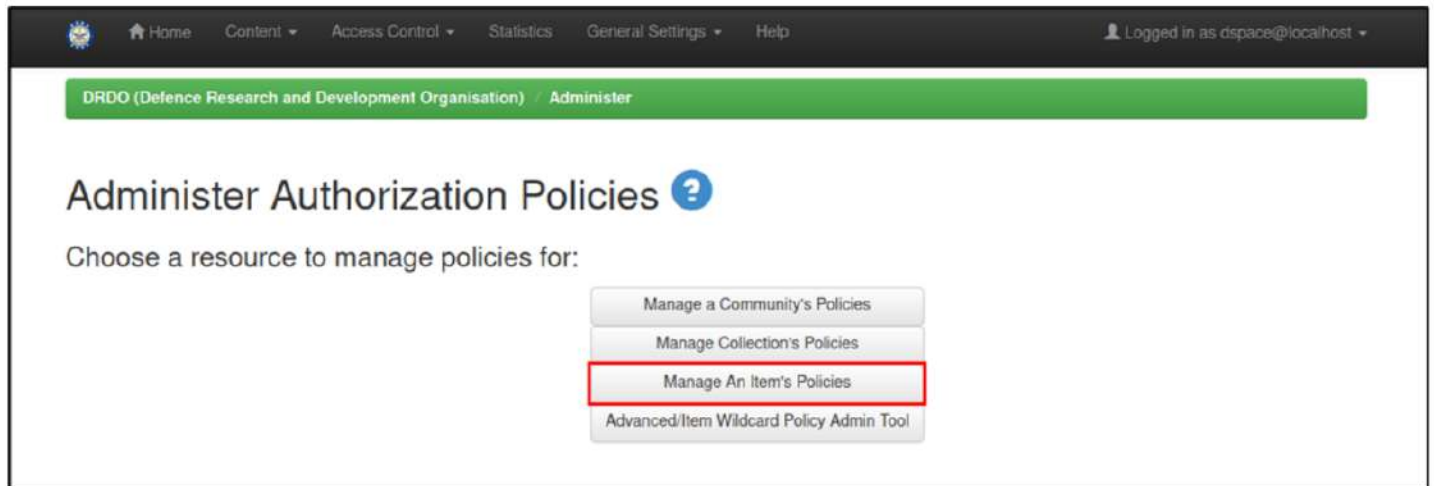


3. Enter E-mail Address and Password to Login

A screenshot of the DSpace login form. The form is titled 'Log In to DSpace'. It includes a link for new users to register. Below the registration link, there is a prompt to enter an email address and password. The 'E-mail Address' field contains 'dspace@localhost' and the 'Password' field contains '.....'. A green 'Log In' button is located below the password field. At the bottom left, there is a link for users who have forgotten their password.

3. Click on Email ID (Person Icon)
4. Click on Administer

## 7. Click on Manage an Item's Policies



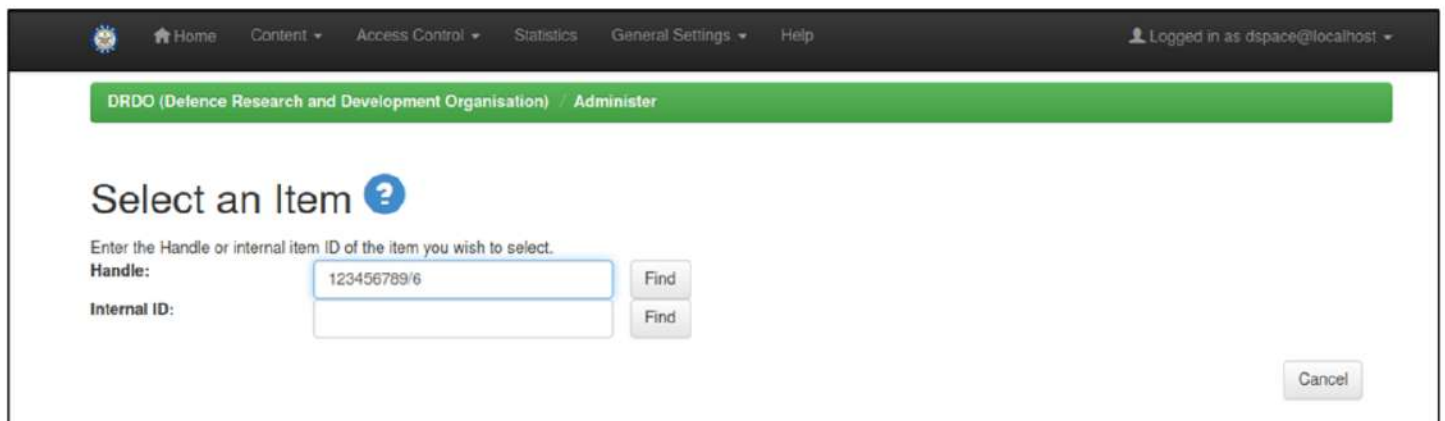
DRDO (Defence Research and Development Organisation) / Administer

### Administer Authorization Policies ?

Choose a resource to manage policies for:

- Manage a Community's Policies
- Manage Collection's Policies
- Manage An Item's Policies**
- Advanced/Item Wildcard Policy Admin Tool

## 8. Select Item ID and Click on Find Button.



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### Select an Item ?

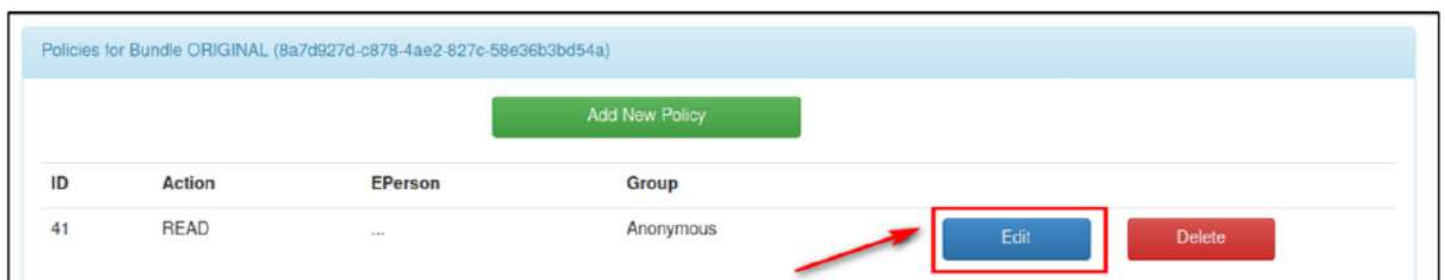
Enter the Handle or internal item ID of the item you wish to select.

Handle:  Find

Internal ID:  Find

Cancel

## 9. Click on Edit Button -> to Edit Policy of Item



Policies for Bundle ORIGINAL (8a7d927d-c878-4ae2-827c-58e36b3bd54a)

Add New Policy

ID	Action	EPerson	Group
41	READ	...	Anonymous

Edit Delete

12. Similar, do this (WITHDRAWN\_READ) for Bundle ORIGINAL and Bitstream

DRDO (Defence Research and Development Organisation) / Administer

Policies for Item 123456789/6 (ID=7f38323a-a058-4c7b-9aea-0f2abeac8f05) ?

With this editor you can view and alter the policies of an item, plus alter policies of individual item components: bundles and bitstreams. Briefly, an item is a container of bundles, and bundles, are containers of bitstreams. Containers usually have ADD/REMOVE/READ/WRITE policies, while bitstreams only have READ/WRITE policies.

You will notice an extra bundle and bitstream for each item, and those contain the license text for the item.

Item Policies

Add New Policy

ID	Action	EPerson	Group	
40	READ	...	Anonymous	<div>EditDelete</div>

Policies for Bundle ORIGINAL (8a7d927d-c878-4ae2-827c-58e36b3bd54a)

Add New Policy

ID	Action	EPerson	Group	
41	WITHDRAWN_READ	...	Anonymous	<div>EditDelete</div>


Bitstream 4809c5a8-64b0-4ff0-a974-6ee14ca67b3 (8-defence-research.pdf)

Add New Policy

ID	Action	EPerson	Group	
42	WITHDRAWN_READ	...	Anonymous	<div>EditDelete</div>

BEFORE: There is No Restricted Access Option below Item Name

Files in This Item:

File	Description	Size	Format	
<a href="#">8-defence-research.pdf</a>	DRDO Defence Book	720.89 kB	Adobe PDF	<div><div>View/Open</div></div>

Show full item record



AFTER: We can see the Restricted Access below the Item Name.  
(Successfully Applied Restriction)

Files in This Item:

File	Description	Size	Format
8-defence-research.pdf <div><div>Restricted Access</div></div>	DRDO Defence Book	720.89 kB	Adobe PDF

Show full item record

View/Open

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.

# And when we click on View/Open it will ask for Email-ID and Password.

Log In to DSpace

New user? [Click here to register.](#)

Please enter your e-mail address and password into the form below.

E-mail Address:

dspace@localhost


Password:

\*\*\*\*\*

Log In

Have you forgotten your password?

# Spell Checking in Dspace

 Logged in as dspace@localhost


Describe Describe Upload Verify License Complete


## Submit: Describe this Item ?

Please fill further information about this submission below.

Enter appropriate subject keywords or phrases.

**Subject Keywords**





+ Add More

Enter the abstract of the item.

**Abstract**

He monograph is about the Defence Research and Development Organisation (DRDO) of the Ministry of Defence, Government of India. It has been long in the coming. It was in 1994 that Dr APJ Abdul Kalam who was the Scientific Adviser to Raksha Mantri mooted the idea of writing the History of DRDO to three of us, Mr NS Venkatesan, Dr Ramadas P Shenoy and Dr A Nagarathnam. All of us had retired from DRDO after long service in the Organisation. Mr Venkatesan and Dr Nagarathnam had been with the Organisation from the Defence Science Organisation days while I had joined the DRDO soon after it was formed. We had worked with six Scientific Advisers beginning from Dr DS Kothari and ending with Dr V Sarunachalam. We had seen and experienced the changes that took place, the progress that was made, the problems that were faced and the achievements that were reached. Each of us agreed to write about the activities in specific science and technology areas in which we had either worked or had more than a passing knowledge.