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.
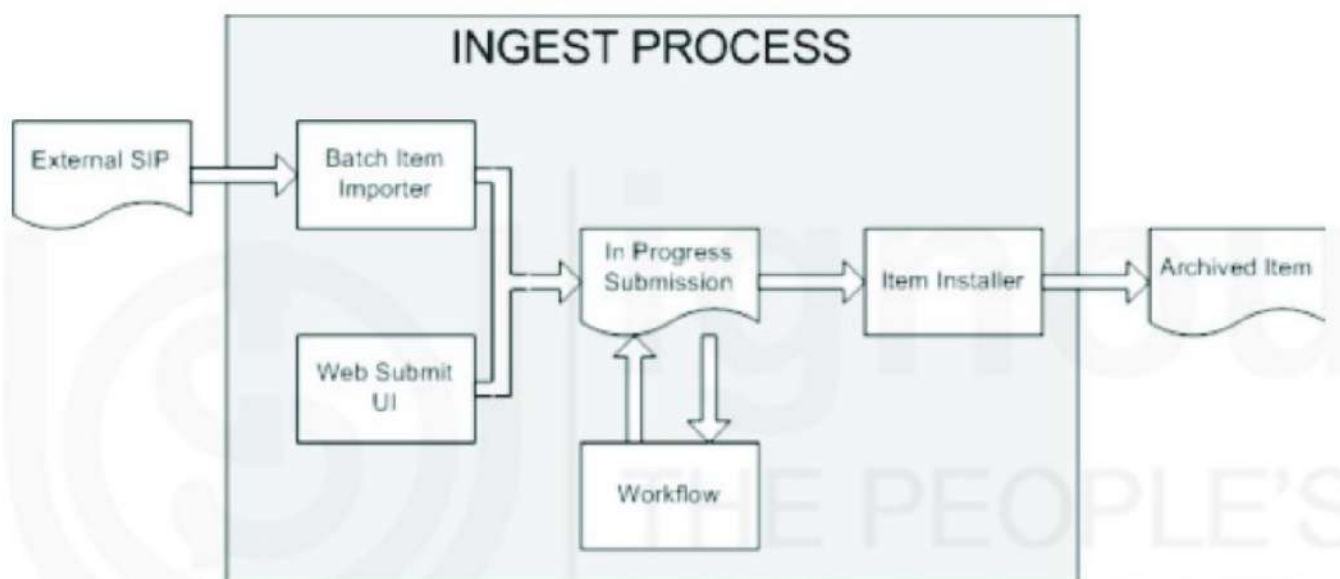
Change Management
Submission Workflow
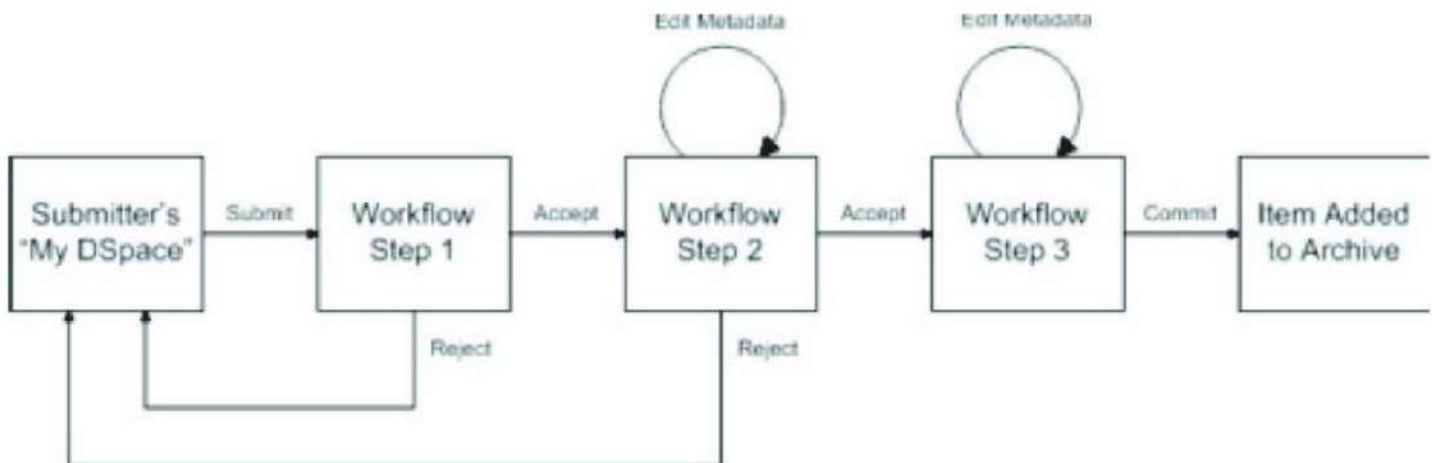
Fig. 7.2: Submission Workflow in DSpace
(**Source:** https://wiki.duraspace.org/display/DSDOC4x/Functional+Overview)

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)
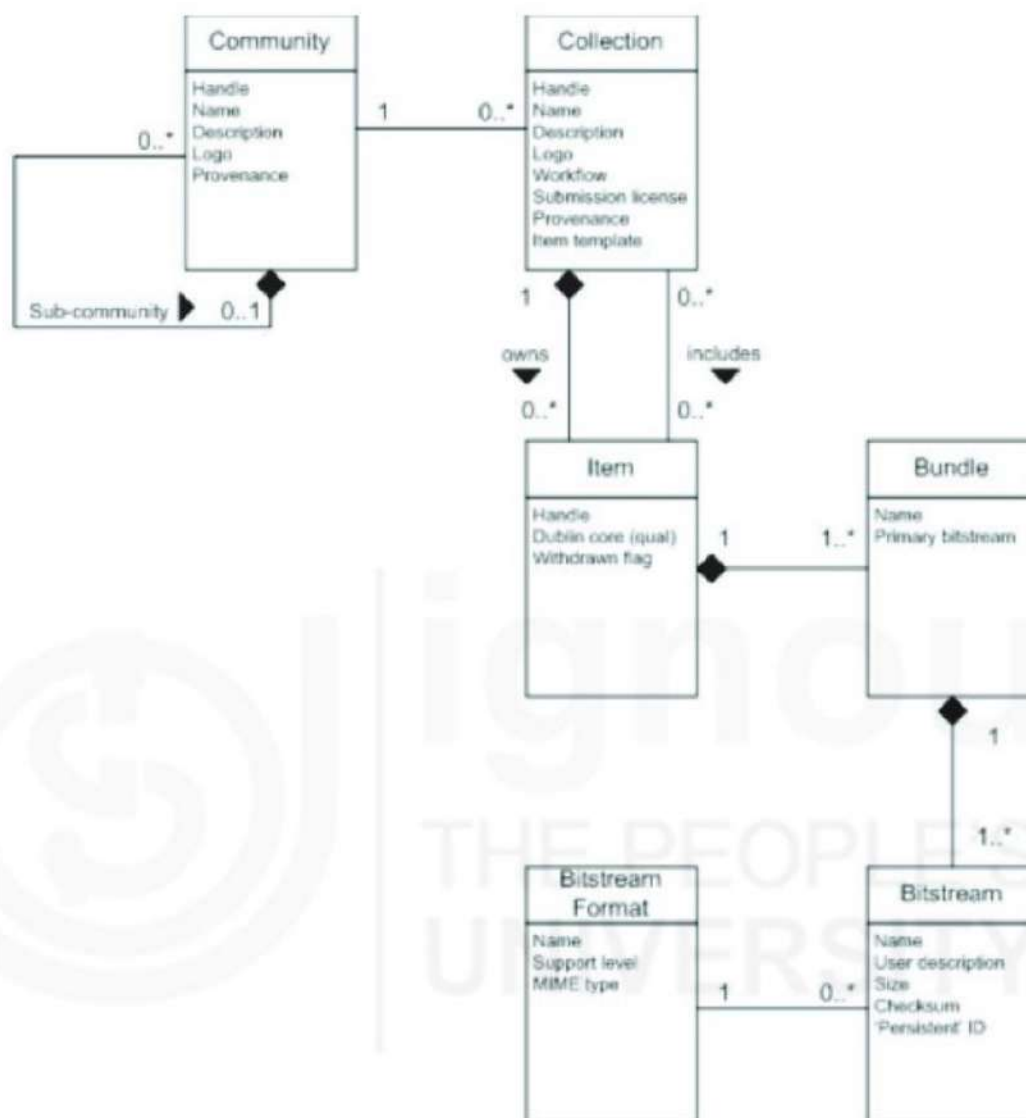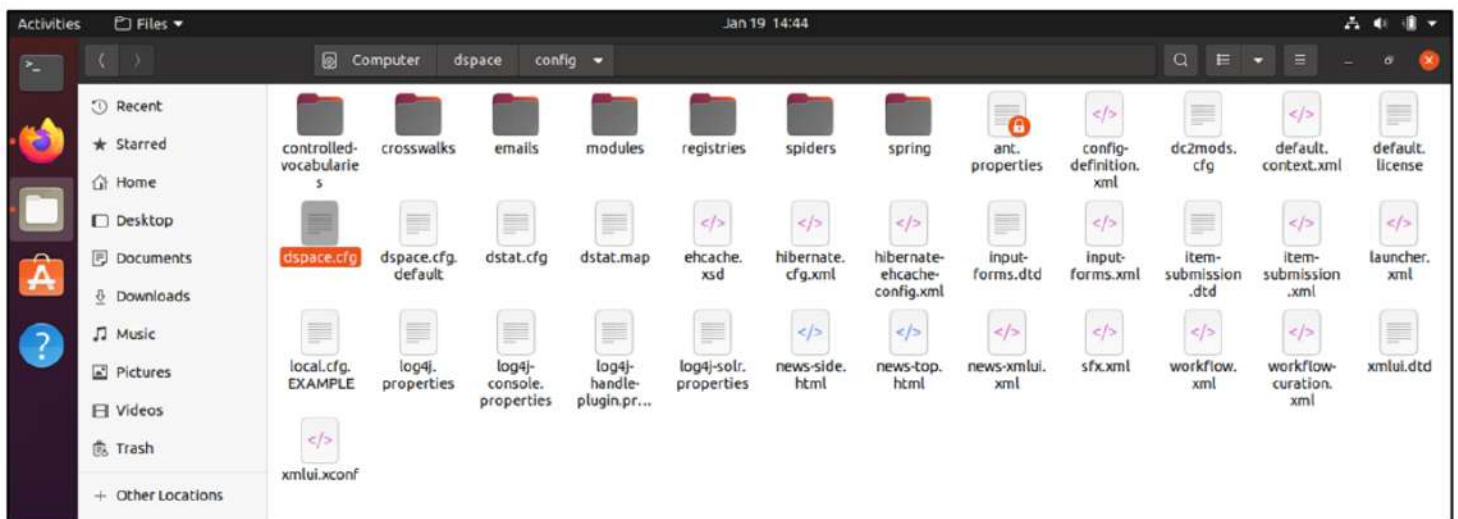
List of Changes with Process

- 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
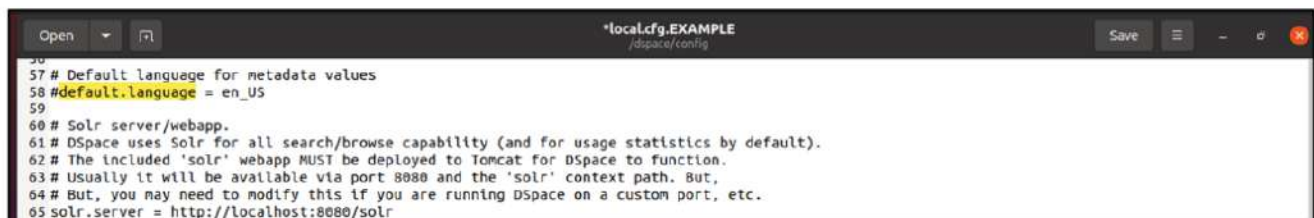### From: webui.supported.locales = en, de


```
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

```
                                                      dspace.cfg
 Open      ▾   ⊓                                     /dspace/config                                Save   ≡   –   ⧉   ⊗

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 :

```
                                                   *local.cfg.EXAMPLE
 Open      ▾   ⊓                                     /dspace/config                                Save   ≡   –   ⧉   ⊗

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:

```
                                                    local.cfg.EXAMPLE
 Open      ▾   ⊓                                     /dspace/config                                Save   ≡   –   ⧉   ⊗

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
```
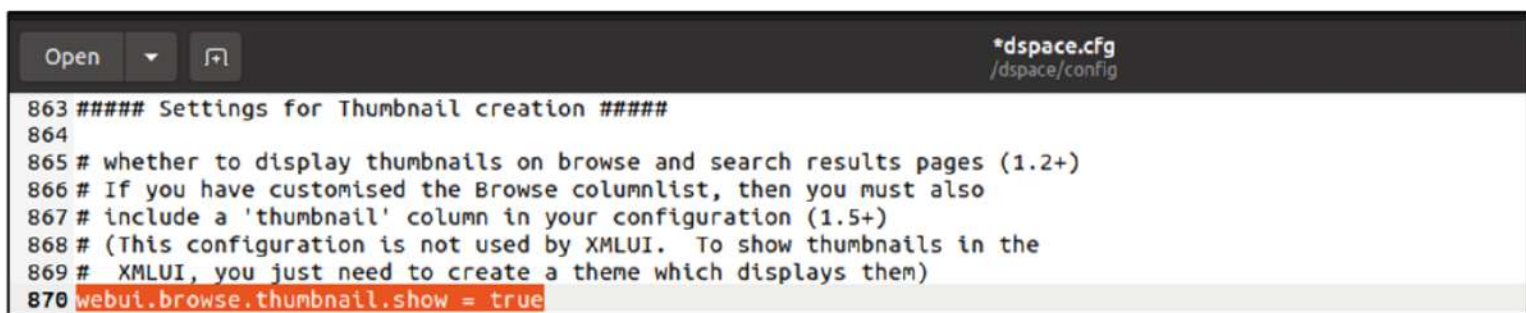
Output:

JSP VIEW

XMLUI VIEW

Adding Thumbnail in Dspace

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

```
Open    ▼    ⊡                                          *dspace.cfg
                                                        /dspace/config
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
```

```
Open    ▼    ⊡                                          *dspace.cfg
                                                        /dspace/config
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.

```
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:
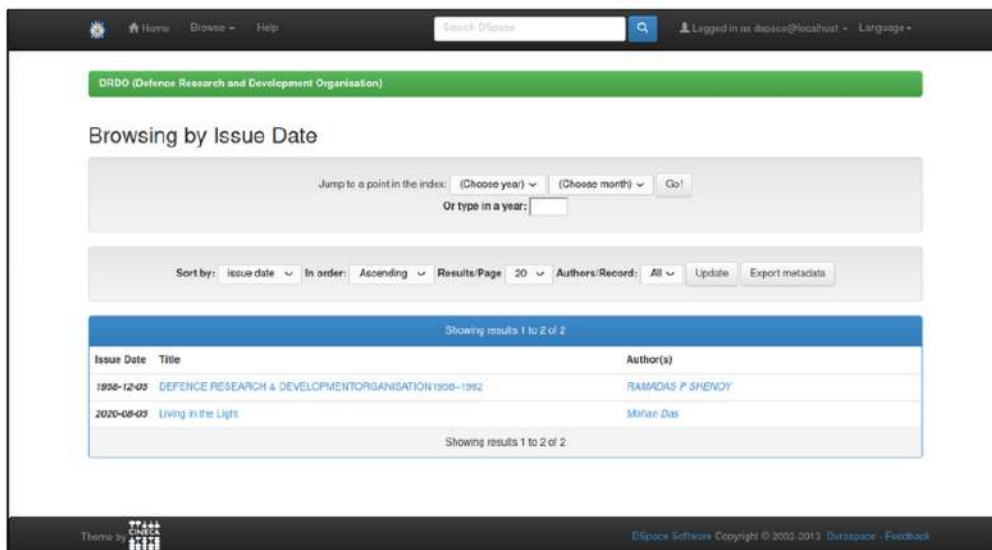
After :
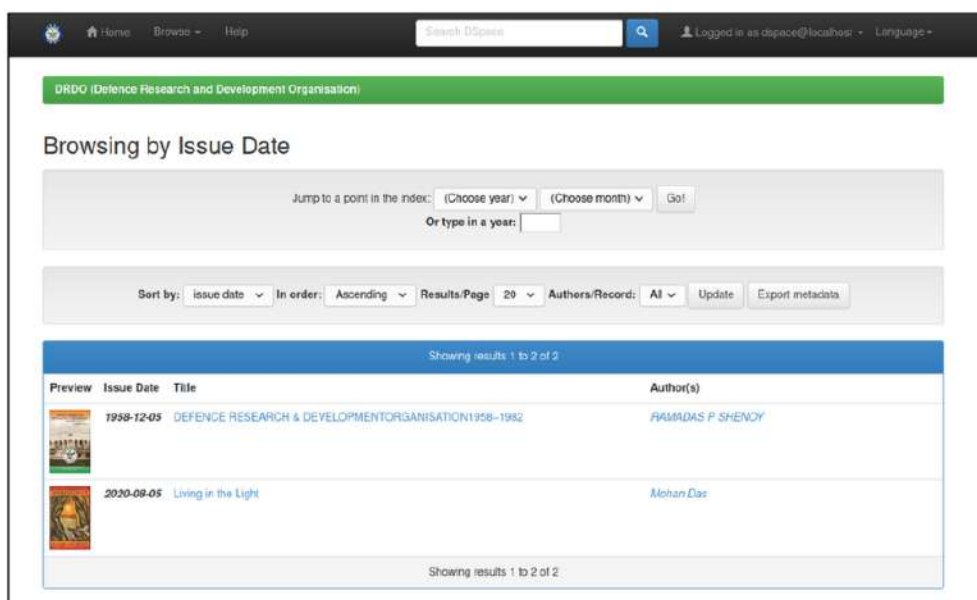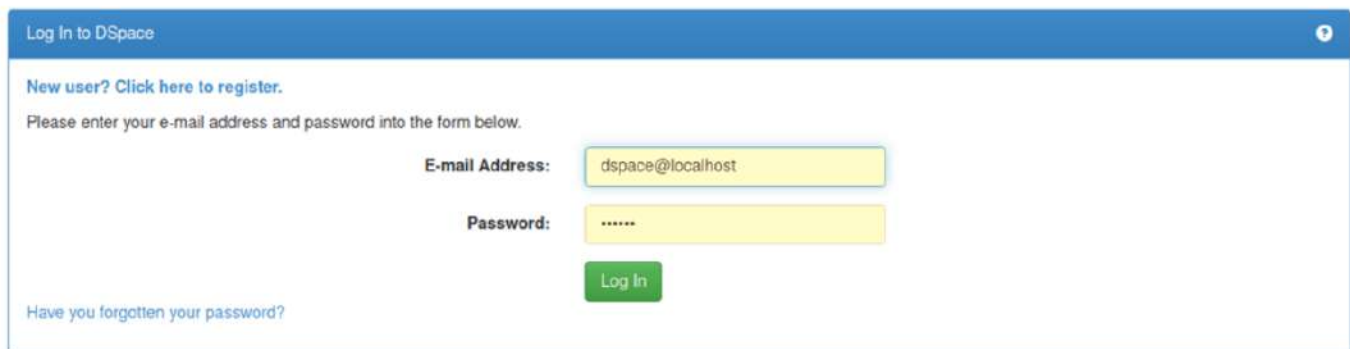
Adding Restriction on File Access:

1. Click on Sign In -> Option
2. Select My Dspace
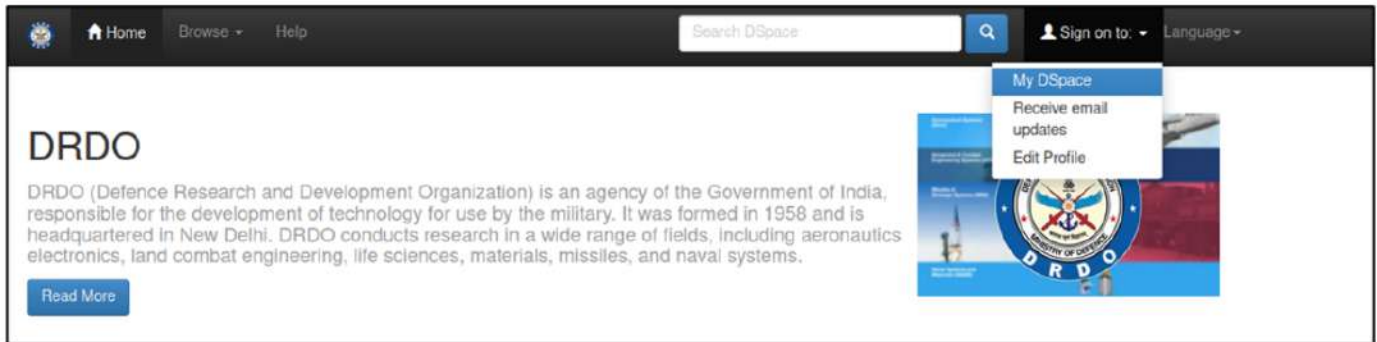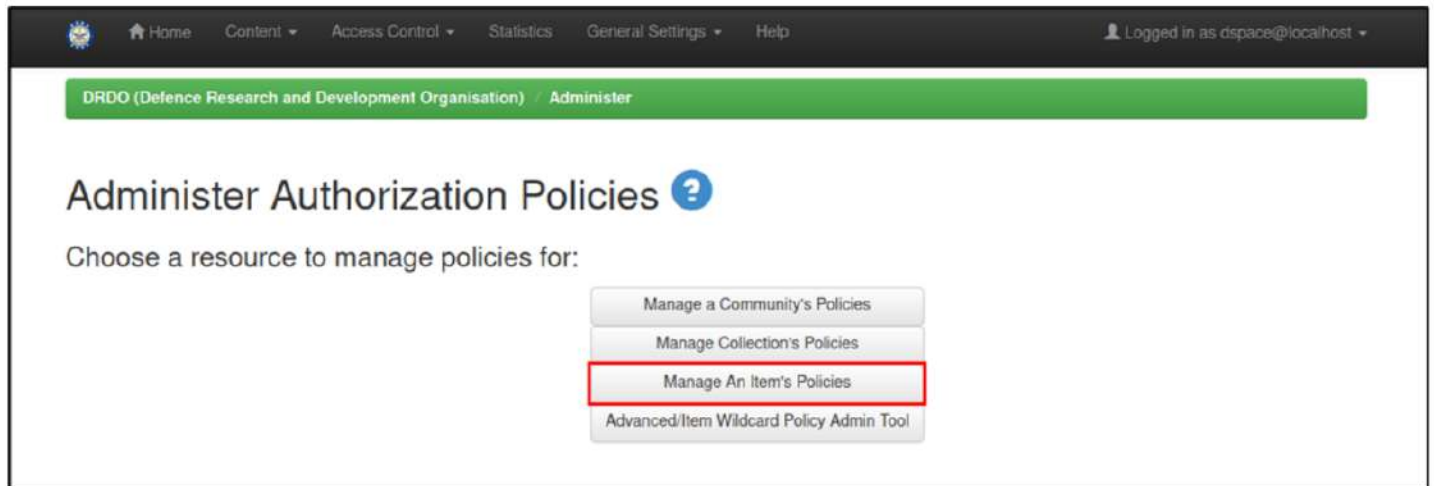
3. Enter E-mail Address and Password to Login

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

7. Click on Manage an Item's Policies

8. Select Item ID and Click on Find Button.
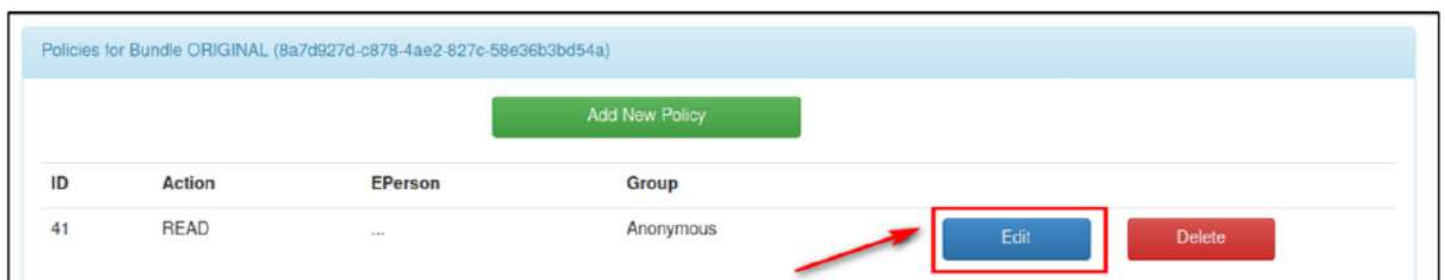
9. Click on Edit Button -> to Edit Policy of Item

12.　Similar, do this (WITHDRAWN_READ) for Bundle ORIGINAL and Bitstream

BEFORE: There is No Restricted Access Option below Item Name

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 🔒 Restricted Access	DRDO Defence Book	720.89 kB	Adobe PDF	View/Open

Show full item record 📊

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