

# **Study Definition Repository (SDR)**

## **Reference Implementation**

### **User Interface User Guide**

#### **Version 4.1**

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## Document History

Version No.	Date	Author	Revision Description
V1.0	17-Mar-2022	ACN	Initial Version
V2.0	30-Jun-2022	ACN	Added Pre-requisites for certificate installation
V3.0	09-Aug-2022	ACN	Added Study Comparison in General features and added a new section for administrative features.
V4.0	01-Mar-2023	ACN	Added SoA Matrix (section 2.5) and Report Export (section 3.1) feature details. Removed certificate access pre-requisite (section 1.4) for accessing SDR RI UI.
V4.1	27-Apr-2023	ACN	Added Token API link to generate auth token on login page in section 2.1

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## 1. Introduction

### 1.1. Overview

The UI application of the SDR Reference Implementation allows the user to view and search Study Definitions. The RI UI features include -

- Authentication (implemented using MSAL)
- List Study Definitions and View Details including SoA Matrix
- Search Study Definitions
- View Revision History for a Study
- Compare Study Versions and Different Studies
- Administrative Features
  - Manage study access with users and groups management.
  - System Usage Report

### 1.2. Scope of Document

This document details the list of UI features available in Study Definition Repository Reference Implementation and provides steps for navigation. The technical design and implementation of these features is out of scope.

### 1.3. Intended Audience

The document is a guide for users/vendors who want to view and search the study definitions using SDR RI UI.

### 1.4. Prerequisites

While the SDR is vendor-agnostic, the Reference Implementation uses Azure and MSAL to establish authentication on SDR RI UI. User should be part of Azure Active Directory of SDR Azure subscription to login to SDR RI UI.

### 1.5. Definitions and Acronyms

Term / Abbreviation	Definition
API	Application Programming Interface
DDF	Digital Data Flow
MSAL	Microsoft Authentication Library
SDR	Study Definition Repository
URL	Uniform Resource Locator

## 2. SDR RI UI – General Features

SDR RI UI Implementation has following features.

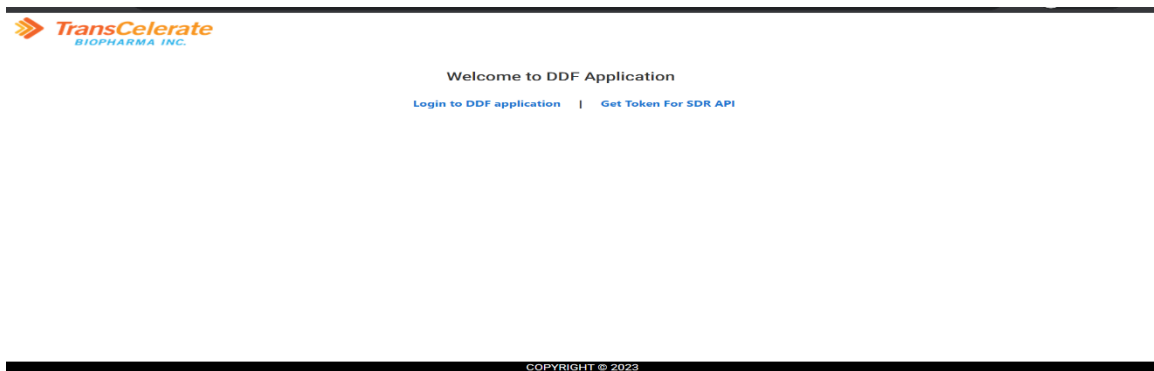
### 2.1. Login

This feature allows the user to login to the application or get token for APIs.

#### NAVIGATION STEPS:

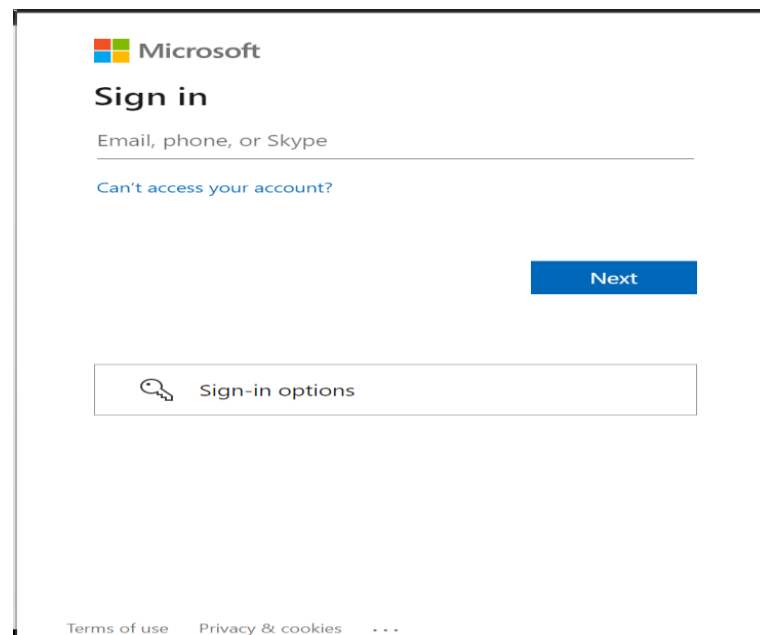
- i. Launch the SDR website.

Figure 1 Login Page



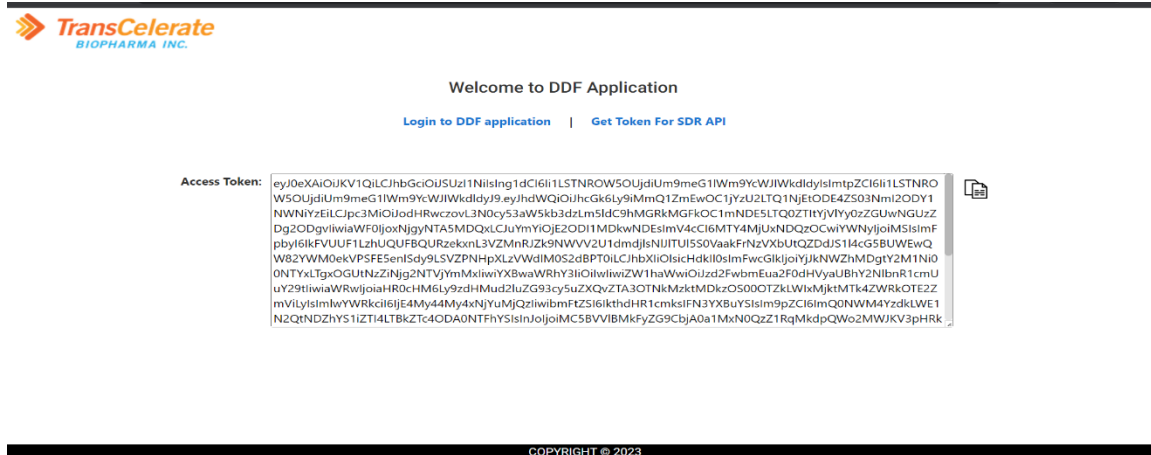
- ii. On click of get token link, a popup is opened to allow user to provide credentials.

Figure 2 Sign In Page



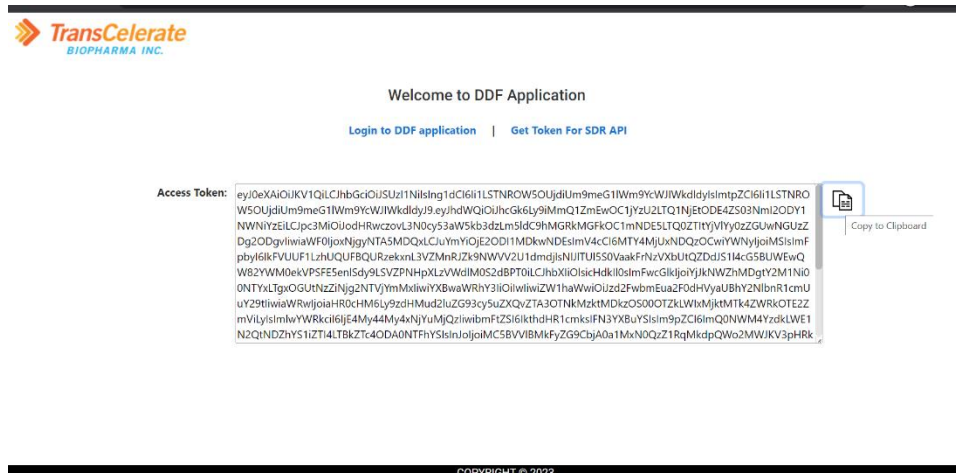
- iii. On successful authentication, a text area with token is displayed.

Figure 3 Access token for SDR API



- iv. User also has a privilege to copy the token using copy to clipboard icon.

Figure 4 Copy to clipboard

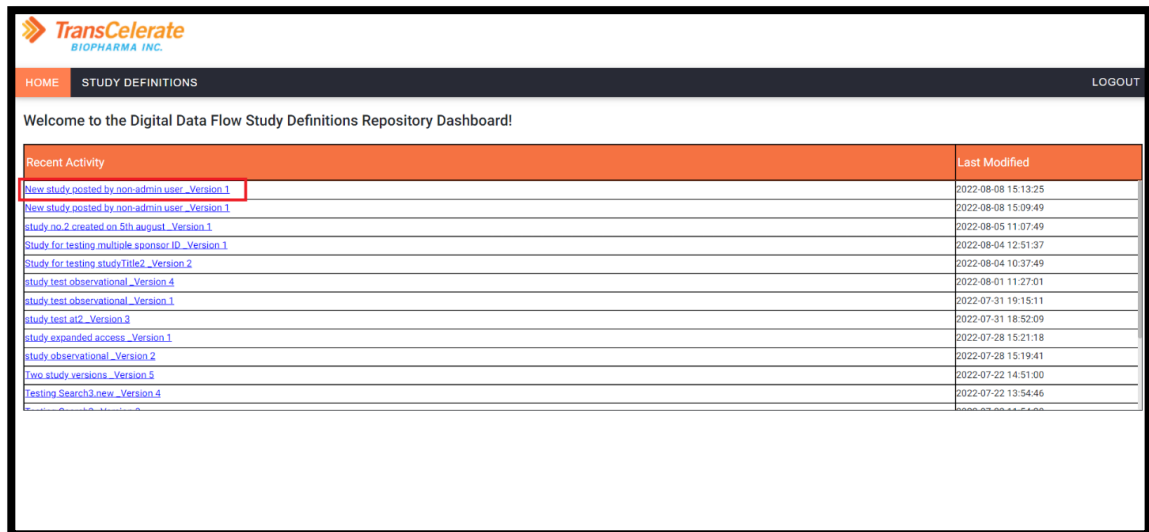


- v. On clicking login link, user is redirected to Home Page if the user is already authenticated else user will be redirected to sign in page

## 2.2. Recent Activity Widget

On the Home Page, the Recent Activity Widget screen shows the list of Study Definitions modified over the last 30 days, with most recently modified definitions on the top. The top 20 documents are listed first, and the remaining come into view as the user scrolls.

Figure 5 Recent Activity Widget



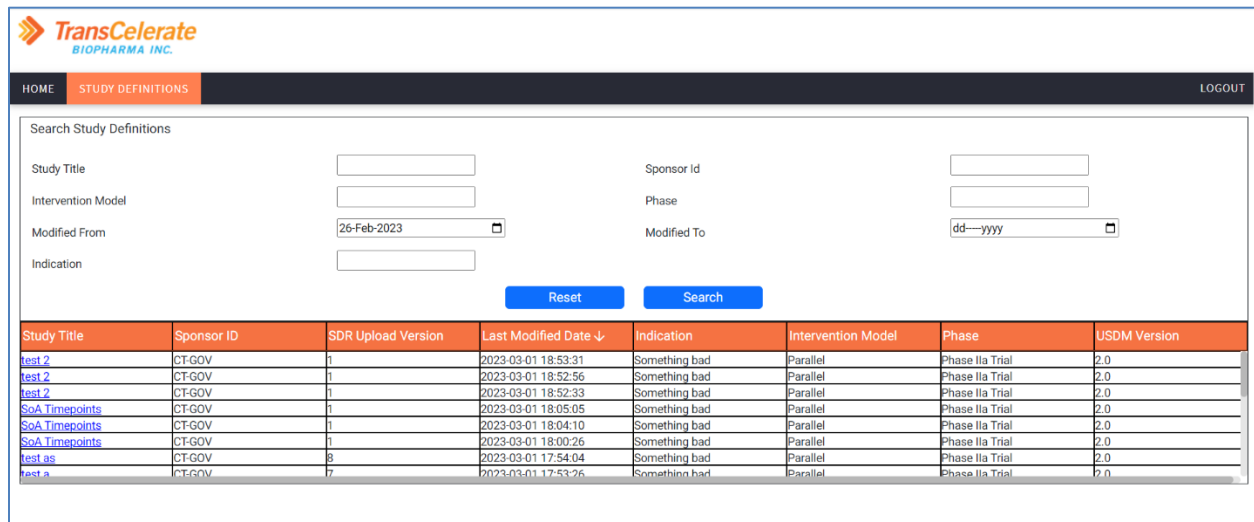
Recent Activity	Last Modified
<a href="#">New study posted by non-admin user _Version 1</a>	2022-08-08 15:13:25
<a href="#">New study posted by non-admin user _Version 1</a>	2022-08-08 15:09:49
<a href="#">Study no 2 created on 5th august _Version 1</a>	2022-08-05 11:07:49
<a href="#">Study for testing multiple sponsor ID _Version 1</a>	2022-08-04 12:51:37
<a href="#">Study for testing studyTitle2 _Version 2</a>	2022-08-04 10:37:49
<a href="#">Study test observational _Version 4</a>	2022-08-01 11:27:01
<a href="#">Study test observational _Version 1</a>	2022-07-31 19:15:11
<a href="#">Study test at2 _Version 3</a>	2022-07-31 18:52:09
<a href="#">Study expanded access _Version 1</a>	2022-07-28 15:21:18
<a href="#">Study observational _Version 2</a>	2022-07-28 15:19:41
<a href="#">Two study versions _Version 5</a>	2022-07-22 14:51:00
<a href="#">Testing Search3.new _Version 4</a>	2022-07-22 13:54:46

## 2.3. Search Study Definitions

### NAVIGATION STEPS:

- i. On click of Search Study Definitions in the left menu, user can navigate to search page, where it allows user to search specific study with certain search parameters.

Figure 6 Search Study page



Study Title	Sponsor ID	SDR Upload Version	Last Modified Date ↓	Indication	Intervention Model	Phase	USDM Version
<a href="#">test 2</a>	CT-GOV	1	2023-03-01 18:53:31	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">test 2</a>	CT-GOV	1	2023-03-01 18:52:56	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">test 2</a>	CT-GOV	1	2023-03-01 18:52:33	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">SoA Timepoints</a>	CT-GOV	1	2023-03-01 18:05:05	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">SoA Timepoints</a>	CT-GOV	1	2023-03-01 18:04:10	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">SoA Timepoints</a>	CT-GOV	1	2023-03-01 18:00:26	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">test as</a>	CT-GOV	8	2023-03-01 17:54:04	Something bad	Parallel	Phase IIa Trial	2.0
<a href="#">test a</a>	CT-GOV	7	2023-03-01 17:53:26	Something bad	Parallel	Phase IIa Trial	2.0

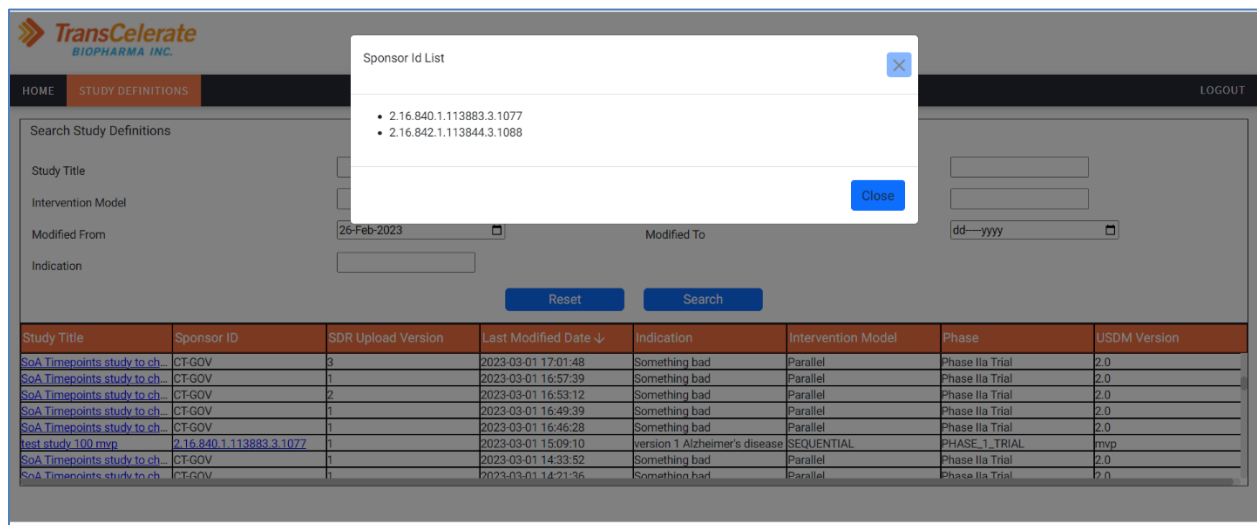
- ii. On entering the search parameters, click on Search to get the matching study definitions. At least one search parameter is mandatory. Below is the list of search parameters:



Field Name	Field Type
Study Title	Plain Text. Allows alphanumeric characters only.
Sponsor Id	Plain Text. Allows alphanumeric characters and “.” Character only.
Intervention Model	Plain Text with Suggestions
Phase	Plain Text with Suggestions
Modified From	Date Picker
Modified To	Date Picker
Indication	Plain Text. Allows alphanumeric characters only.

- iii. Columns in the search results are sortable (ascending/descending).
- iv. The top 20 documents are listed first, and the remaining results come into view as the user scrolls.
- v. For multi-value fields like Sponsor Id and Interventional Model, the first value from the list will be displayed as a link. On clicking the link all the values are displayed in the modal. If there is only one value, it will be displayed as text.

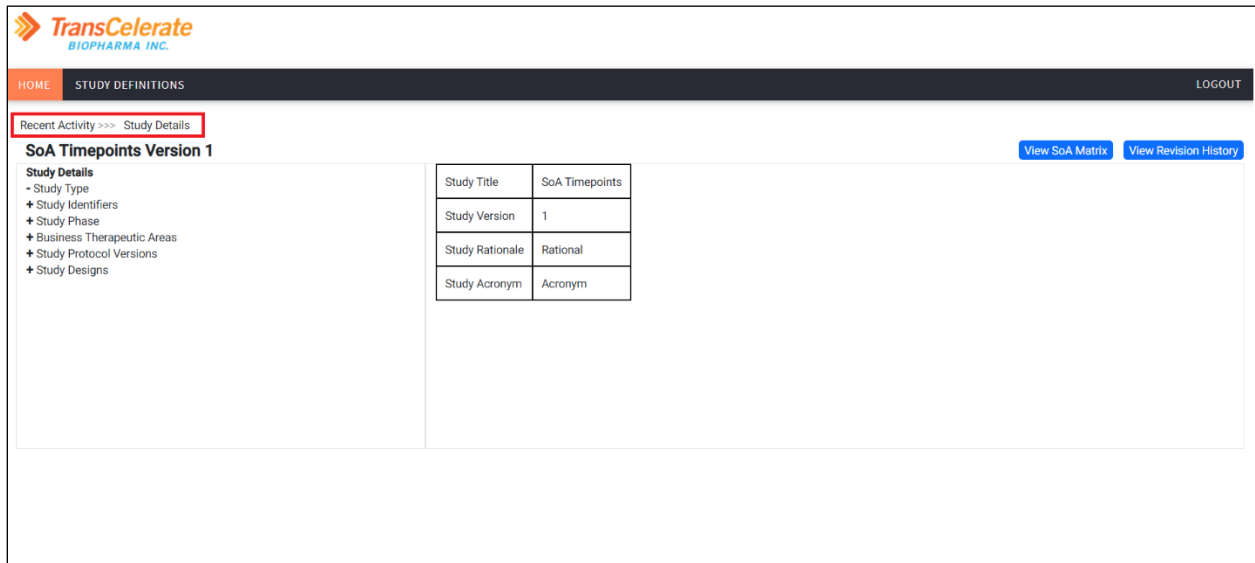
Figure 7 Multiple Value Popup



## 2.4. Study Details

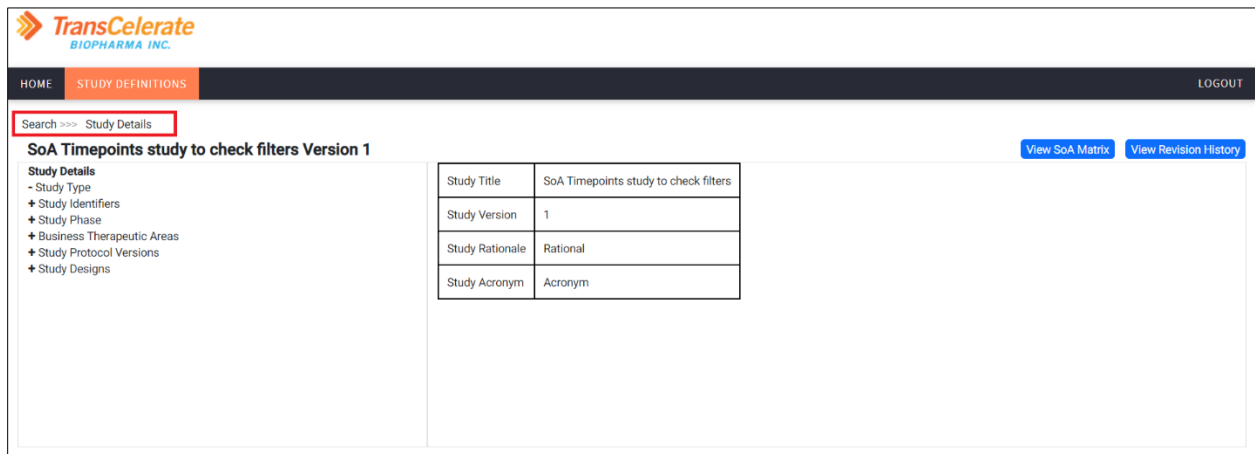
On click of any study title link from either Recent Activity widget or from Search results, study details page will be displayed, grouped by sections. User can expand each section to view detailed information as shown below.

Figure 8 Study Details Page from Home



Study Title	SoA Timepoints
Study Version	1
Study Rationale	Rational
Study Acronym	Acronym

Figure 9 Study Details page from Search Grid




Study Title	SoA Timepoints study to check filters
Study Version	1
Study Rationale	Rational
Study Acronym	Acronym

## 2.5. SoA Matrix (Schedule of Activities)

The SoA Matrix shows the tabular representation of the schedule of activities for a given Schedule timeline under a Study Design. The SoA displays the mapping of encounters and activities in a matrix along with basic timing related information. This screen displays the SoA matrix for all study designs and schedule timelines under the (one table per schedule timeline per study design within tabs) as shown below.

Figure 10 SoA Matrix



HOME
STUDY DEFINITIONS
LOGOUT

Recent Activity >>> Study Details >>> SoA Matrix

**SoA Timepoints study to check filters Version 1**

name

dwsc

	SCREENING VISIT (value1)	RUN-IN VISIT 1 (value1)	RUN-IN VISIT 2 (value1)	RUN-IN VISIT 3 (value1)	CYCLE 1, TREATMENT 1 (value1)	CYCLE 1, TREATMENT 2 (value1)	CYCLE 1, TREATMENT 3	CYCLE 2, TREATMENT 1	CYCLE 2, TREATMENT 2	CYCLE 3, TREATMENT 1	CYCLE 3, TREATMENT 2	FU 1	FU 2
Informed consent	X												
Eligibility criteria	X												
Demography	X												
Medical history													
Disease characteristics	X												
Physical exam	X												

#### NAVIGATION STEPS:

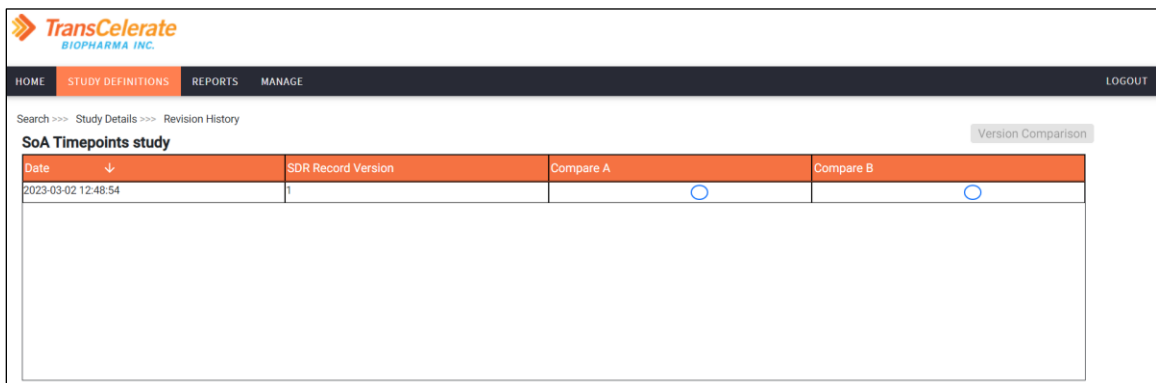
- On clicking View SoA Matrix on the Study Details screen, user will be redirected to viewing all SoA for a given version of the study definition.
- Each study design tab will have child tabs that will display one SoA Matrix per Schedule Timeline.
- When there is no study design or no timelines defined in the selected study version, the appropriate message is shown to user indicating there is insufficient data to build the matrix.
- When there is duplicate entries, repeated mappings will be shown to notify user of the discrepancy.

## 2.6. Revision History

#### NAVIGATION STEPS:

- On click of View Revision History on the Study details page, revision history page for the study will be loaded. This screen allows the user to view the version history for the study definition selected.
- Columns in the results are sortable (ascending/descending).
- User can compare any two versions by selecting the corresponding radio buttons in columns "Compare A" and "Compare B".

Figure 11 Revision History Page



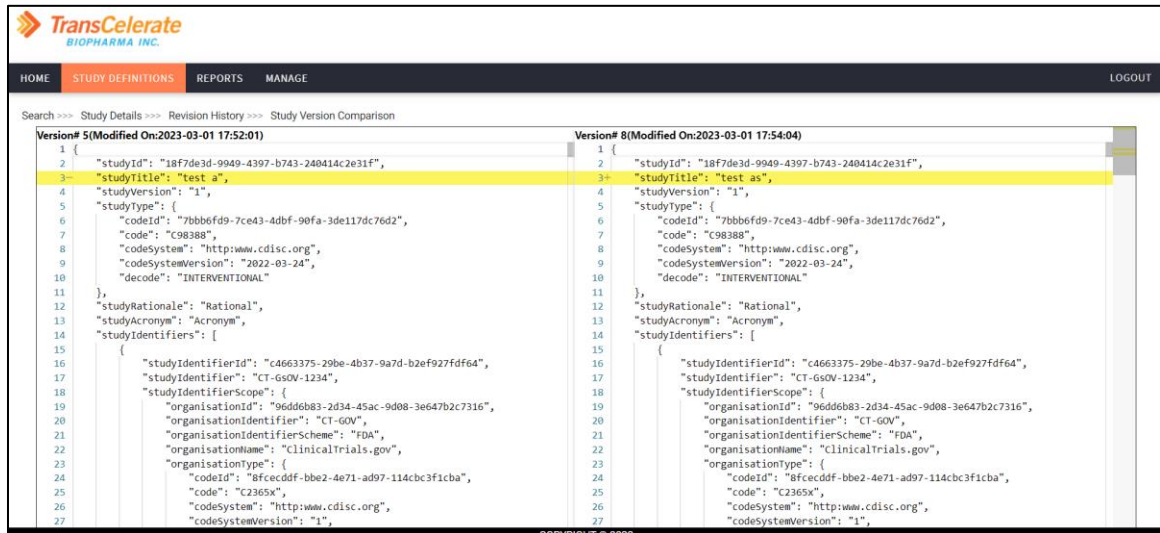
Date	SDR Record Version	Compare A	Compare B
2023-03-02 12:48:54	1	<input type="radio"/>	<input type="radio"/>

## 2.7. Version Comparison

#### NAVIGATION STEPS:

- On click of Version Comparison in the revision history screen (as shown in Figure 9), version comparison page will be loaded. This screen allows the user to compare two versions of the same study.
- User can navigate between the pages using the breadcrumb navigation.

Figure 12 Version Comparison page



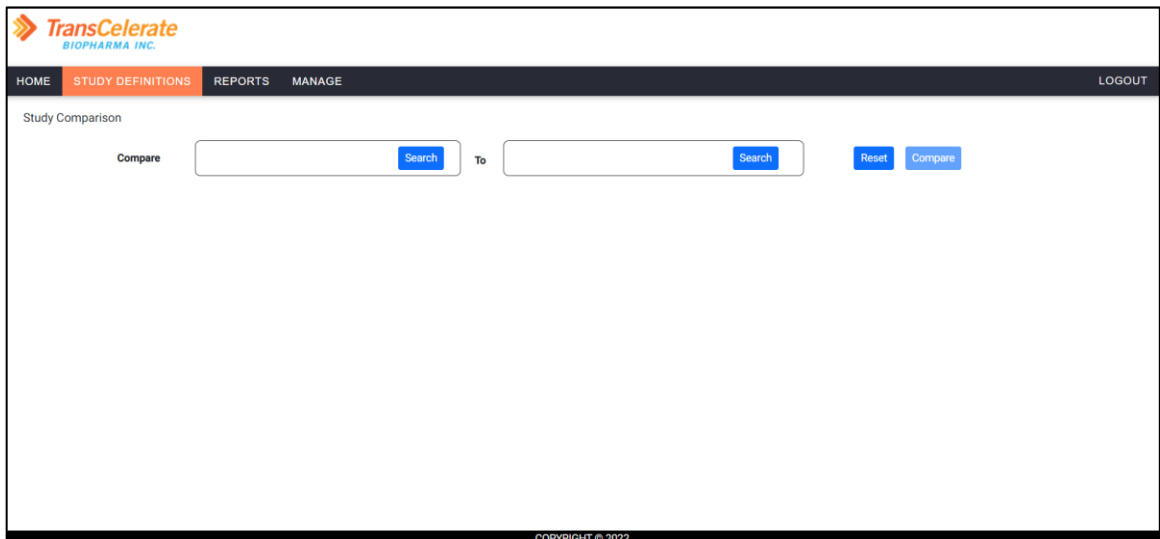
Version# 5 (Modified On: 2023-03-01 17:52:01)	Version# 8 (Modified On: 2023-03-01 17:54:04)
1 {	1 {
2 "studyId": "18f7de3d-9949-4397-b743-240414c2e31f",	2 "studyId": "18f7de3d-9949-4397-b743-240414c2e31f",
3 "studyTitle": "Test a",	3 "studyTitle": "Test as",
4 "studyVersion": "1",	4 "studyVersion": "1",
5 "studyType": {	5 "studyType": {
6 "codeId": "7bb6fd9-7ce43-4dbf-90fa-3de117dc76d2",	6 "codeId": "7bb6fd9-7ce43-4dbf-90fa-3de117dc76d2",
7 "code": "C98388",	7 "code": "C98388",
8 "codeSystem": "http://www.cdsc.org",	8 "codeSystem": "http://www.cdsc.org",
9 "codeSystemVersion": "2022-03-24",	9 "codeSystemVersion": "2022-03-24",
10 "decode": "INTERVENTIONAL"	10 "decode": "INTERVENTIONAL"
11 },	11 },
12 "studyRationale": "Rational",	12 "studyRationale": "Rational",
13 "studyAcronym": "Acronym",	13 "studyAcronym": "Acronym",
14 "studyIdentifiers": {	14 "studyIdentifiers": {
15 {	15 {
16 "studyIdentifierId": "c4663375-29be-4b37-9a7d-b2ef927fdf64",	16 "studyIdentifierId": "c4663375-29be-4b37-9a7d-b2ef927fdf64",
17 "studyIdentifier": "CT-GSOV-1234",	17 "studyIdentifier": "CT-GSOV-1234",
18 "studyIdentifierScope": {	18 "studyIdentifierScope": {
19 "organisationId": "96dd6b83-2d34-45ac-9d08-3e647b2c7316",	19 "organisationId": "96dd6b83-2d34-45ac-9d08-3e647b2c7316",
20 "organisationIdentifier": "CT-GOV",	20 "organisationIdentifier": "CT-GOV",
21 "organisationIdentifierScheme": "FDA",	21 "organisationIdentifierScheme": "FDA",
22 "organisationName": "ClinicalTrials.gov",	22 "organisationName": "ClinicalTrials.gov",
23 "organisationType": {	23 "organisationType": {
24 "codeId": "8fceddf-bbe2-4e71-ad97-114cbc3f1c8a",	24 "codeId": "8fceddf-bbe2-4e71-ad97-114cbc3f1c8a",
25 "code": "C2365x",	25 "code": "C2365x",
26 "codeSystem": "http://www.cdsc.org",	26 "codeSystem": "http://www.cdsc.org",
27 "codeSystemVersion": "1",	27 "codeSystemVersion": "1",

## 2.8. Study Comparison

### NAVIGATION STEPS:

- On click of Compare option in the Study Definitions menu as shown in below screenshot, study comparison page will be loaded. This screen allows the user to do a side-by-side comparison of two different study definitions.

Figure 13 Study Compare Page



Study Comparison

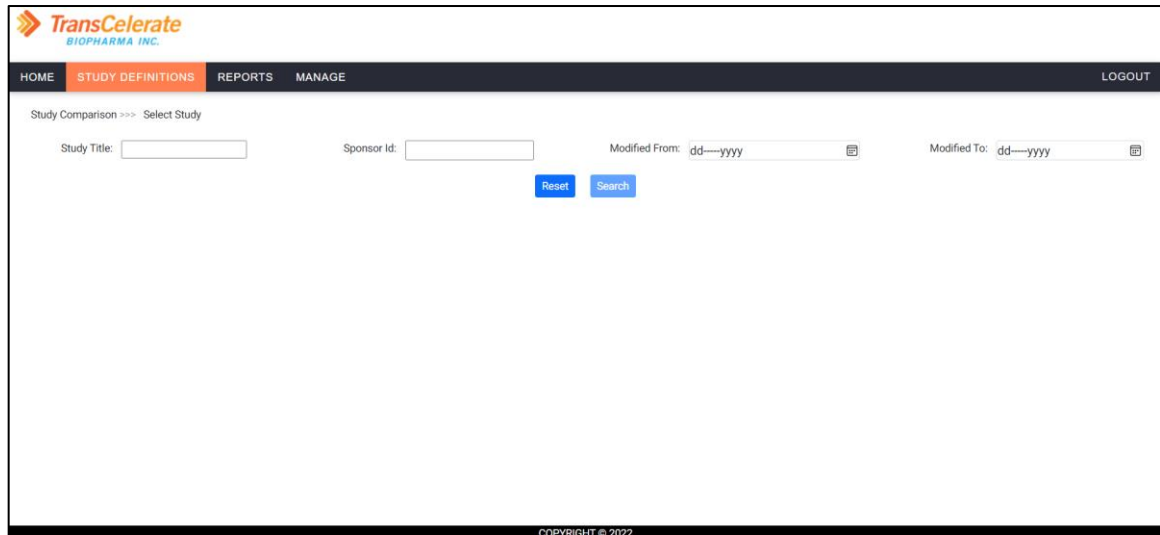
Compare  Search To  Search

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- User can search any two studies to compare by using the search feature on the left and right sides of the compare. At any point, only two studies can be compared.

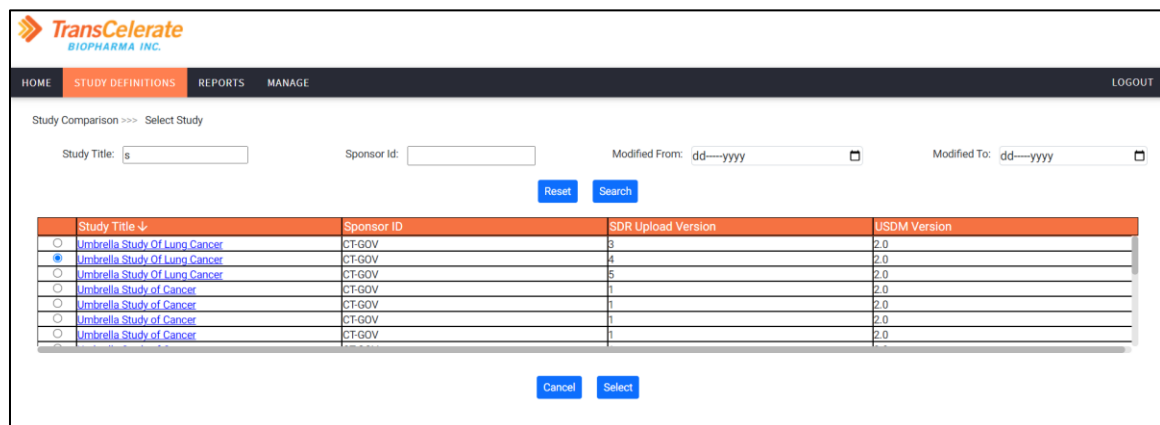
- iii. Once the user clicks on search, user is shown a screen to select a study by providing a criterion and finding the relevant study for comparison. The user can search the study by Study title, Sponsor ID and modified date range.

Figure 14 Search study compare page



- iv. Once the relevant study is found on search, user can click Select to add to compare.

Figure 15 Study Comparison - Search Results



Study Title	Sponsor ID	SDR Upload Version	USDM Version
<input type="radio"/> Umbrella Study Of Lung Cancer	CT-60V	3	2.0
<input checked="" type="radio"/> Umbrella Study Of Lung Cancer	CT-60V	4	2.0
<input type="radio"/> Umbrella Study Of Lung Cancer	CT-60V	5	2.0
<input type="radio"/> Umbrella Study of Cancer	CT-60V	1	2.0
<input type="radio"/> Umbrella Study of Cancer	CT-60V	1	2.0
<input type="radio"/> Umbrella Study of Cancer	CT-60V	1	2.0
<input type="radio"/> Umbrella Study of Cancer	CT-60V	1	2.0

Figure 16 Study Comparison page



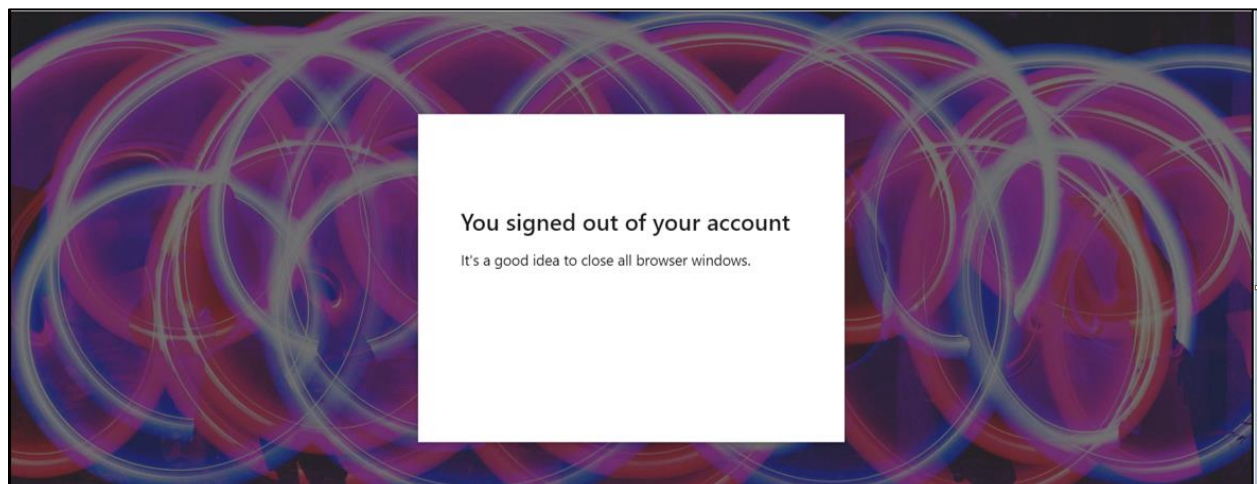
Study - Umbrella Study v2 Version# 1 (Modified On: 2022-07-18 13:19:06)	Study - Umbrella Study Version# 3 (Modified On: 2022-07-13 19:27:25)
1 {	1 {
2- "uuid": "9085f2c7-1f7a-4f71-8b48-5d24592b6f17",	2+ "uuid": "f8c090ae-761a-4dca-9dd7-520556efcfaf",
3- "studyTitle": "Umbrella Study v2",	3+ "studyTitle": "Umbrella Study",
4 "studyType": {	4 "studyType": {
5- "uuid": "60924aa5-6642-4b5c-b8b1-79bef9e8cec3",	5+ "uuid": "4e46b876-e656-473f-971f-2768e5f677e6",
6 "code": "C98388",	6 "code": "C98388",
7 "codeSystem": "http://www.cdsc.org",	7 "codeSystem": "http://www.cdsc.org",
8 "codeSystemVersion": "2022-03-25",	8 "codeSystemVersion": "2022-03-25",
9- "decode": "EXPANDED ACCESS"	9+ "decode": "INTERVENTIONAL"
10 },	10 },
11 "studyIdentifiers": [	11 "studyIdentifiers": [
12 {	12 {
13- "uuid": "419ae723-72ec-4b89-89c5-142cb2cc496e",	13+ "uuid": "0f430f65-405c-47b4-ad70-ffb78f089df8",
14- "studyIdentifier": "CT-GOV-1234",	14+ "studyIdentifier": "CT-GOV-12346",
15 "studyIdentifierScope": {	15 "studyIdentifierScope": {
16- "uuid": "72cd78f1-0ba4-4c18-b4eb-5794ae2c4f16",	16+ "uuid": "4b7171a0-d305-4577-9abf-fc47977b9708",
17 "organisationIdentifier": "CT-GOV",	17 "organisationIdentifier": "CT-GOV",
18 "organisationIdentifierScheme": "FDA",	18 "organisationIdentifierScheme": "FDA",
19 "organisationName": "ClinicalTrials.gov",	19 "organisationName": "ClinicalTrials.gov",
20 "organisationType": {	20 "organisationType": {
21- "uuid": "0e6751a7-72c4-4f9f-9565-f55e8d2333a2",	21+ "uuid": "442f666b-20c7-4143-ac1d-ee0eabd35f2f",
22 "code": "C2365x",	22 "code": "C2365x",

- v. Once two studies have been searched and selected on the left and right comparison boxes, user can click Compare.
- vi. The application loads a side-by-side content comparison of the study definition JSONs. The comparison highlights the differences and user can scroll through comparison or directly jump to a difference by clicking the comparison highlights on the scrollbar.
- vii. User can go back to the study comparison screen by clicking on the breadcrumb navigation.

## 2.9. Logout

On click of Logout, user will be logged out from the application, and gets redirected to the Login Page.

Figure 17 Logout Screen



### 3. SDR RI UI – Administrative features

This section explains the features available to a SDR Administrative user only. The menu options for these features are not visible to a non-admin user in the main menu.

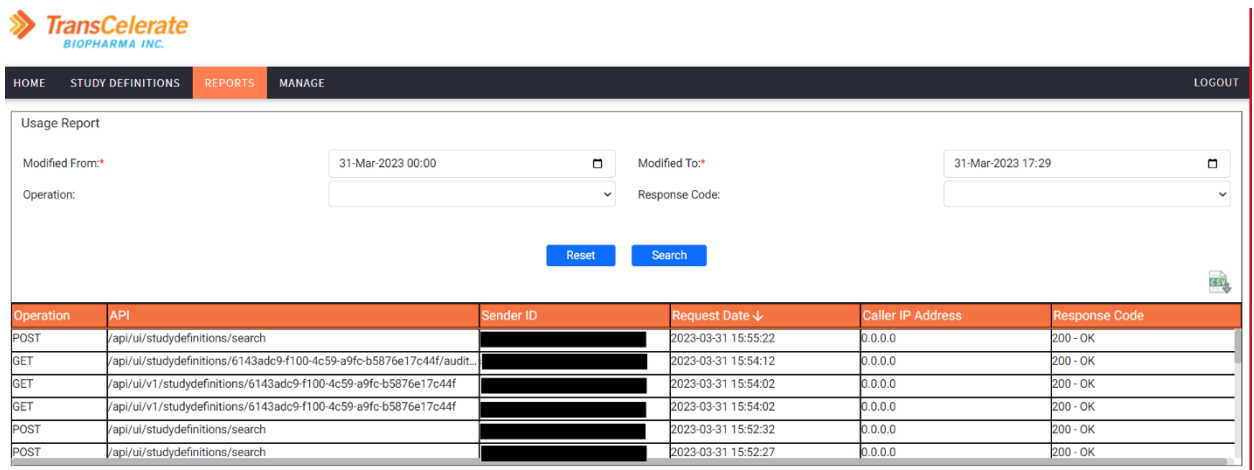
#### 3.1. System Usage Report

The System Usage Report lists all the API calls made to the SDR application for a given duration. Information is limited to the endpoint called, the HTTP Operation, Sender ID, the calling IP address, HTTP response code and request date.

##### NAVIGATION STEPS:

- i. On click of System Usage option in the Reports menu as shown in below screenshot, system usage report screen will be loaded. By default, the report is loaded for the current day.

Figure 18 System usage report page

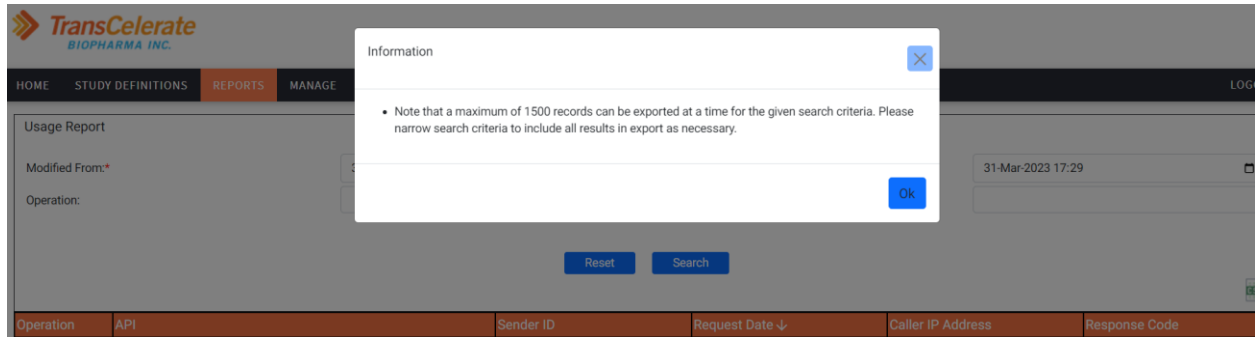


Operation	API	Sender ID	Request Date	Caller IP Address	Response Code
POST	/api/ui/studydefinitions/search		2023-03-31 15:55:22	0.0.0.0	200 - OK
GET	/api/ui/studydefinitions/6143adc9-f100-4c59-a9fc-b5876e17c44f/audit		2023-03-31 15:54:12	0.0.0.0	200 - OK
GET	/api/ui/v1/studydefinitions/6143adc9-f100-4c59-a9fc-b5876e17c44f		2023-03-31 15:54:02	0.0.0.0	200 - OK
GET	/api/ui/v1/studydefinitions/6143adc9-f100-4c59-a9fc-b5876e17c44f		2023-03-31 15:54:02	0.0.0.0	200 - OK
POST	/api/ui/studydefinitions/search		2023-03-31 15:52:32	0.0.0.0	200 - OK
POST	/api/ui/studydefinitions/search		2023-03-31 15:52:27	0.0.0.0	200 - OK

- ii. User can change the duration of the report generated to see system usage for a maximum range of 30 days.
- iii. The results can be further filtered by Response code to see only success or failures or a specific HTTP response status code.
- iv. The report columns in the grid are sorted in descending order of Request date by default. All except Sender ID columns in the result grid are sortable.
- v. User can export the full results of the search request using the Export to CSV icon on the top right of the results grid. A generic message that a maximum of 1500 records can be exported in a single download is shown to the user on click.



Figure 19 Export Download Limit



- vi. When the user changes the search criteria, the export to CSV is disabled and user must execute a search request to be able to export results.

## 3.2. Group and User Management

The group and user management features provide the ability to group users and associate them with specific study or group of studies to limit access for users only to those study definitions. The creation of groups and setting their criteria as well as associating users to these groups can be done only by an Admin user in the SDR application.

### 3.2.1. Group Management

#### NAVIGATION STEPS:

- i. An admin user can navigate to the Group Management screen from the Manage main menu.
- ii. On the Group Management screen, user can Add new groups as well as edit existing groups.
- iii. By default, the list of existing groups is displayed on the home screen of Group Management.

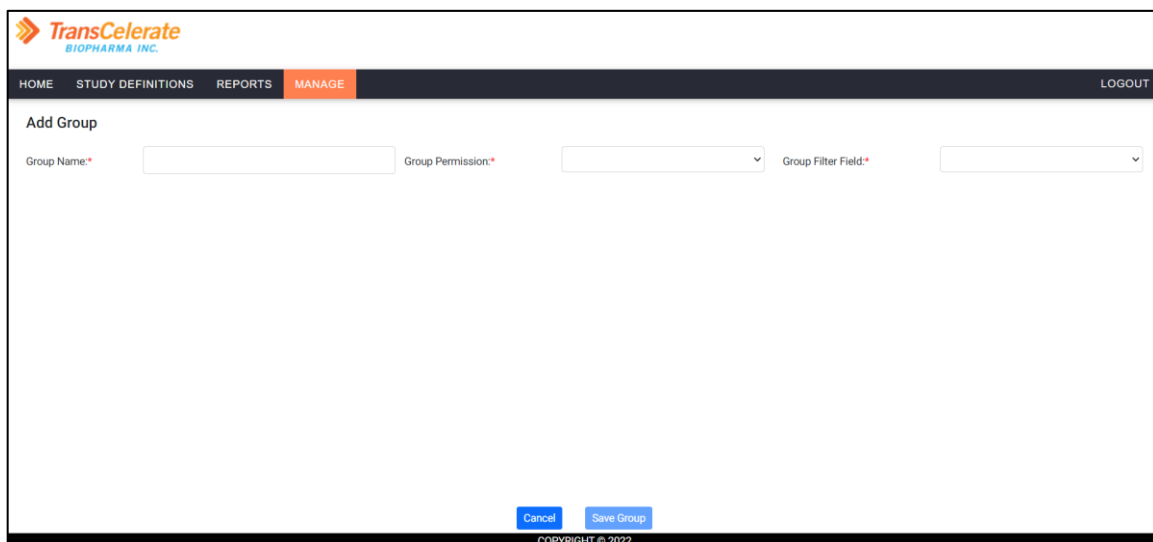
Figure 20 Group Management page



Group Name	Group Filter Field	Rule / Selected Value(s)	Permission	Action
Observation 1	studyType	OBSERVATIONAL EXPANDED ACCESS	READONLY	
API regression 2	study	study test observat...	READ_WRITE	
New Group For Guide	studyType	EXPANDED ACCESS INTERVENTIONAL	READ_WRITE	
	study	study no.2 created ... Study for testing A...		
API regression	studyType	EXPANDED ACCESS OBSERVATIONAL	READONLY	

- iv. For adding a new group user can click on Add New Group button. User is then redirected to create a new Group.

Figure 21 Add Group page

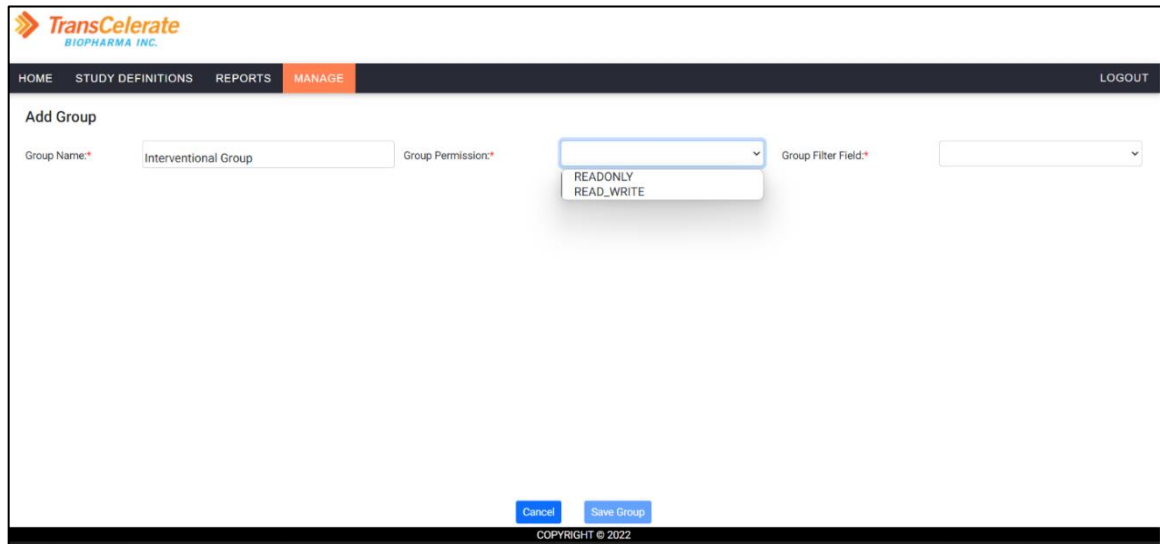


Add Group

Group Name:  Group Permission:  Group Filter Field:

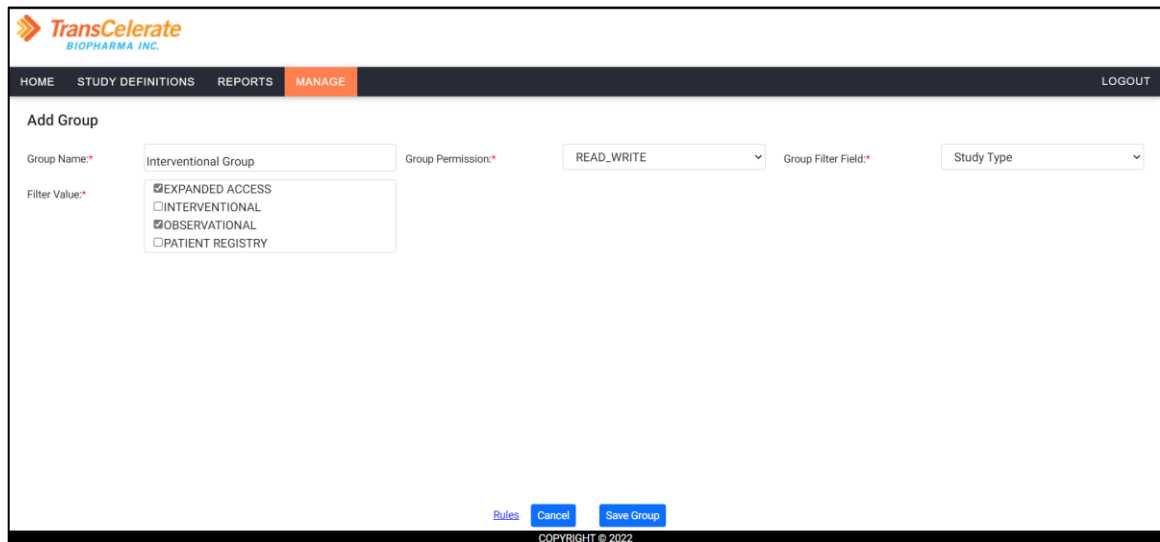
- v. Groups should have a distinct name throughout the system. Only Alphanumeric characters are allowed in the name with a maximum length of 20 characters.
- vi. The Group Permissions allow the admin user to set the access privilege for users belonging to this group i.e., users can either READ or READ & WRITE the studies associated with this group.

Figure 22 Group Management - Permissions



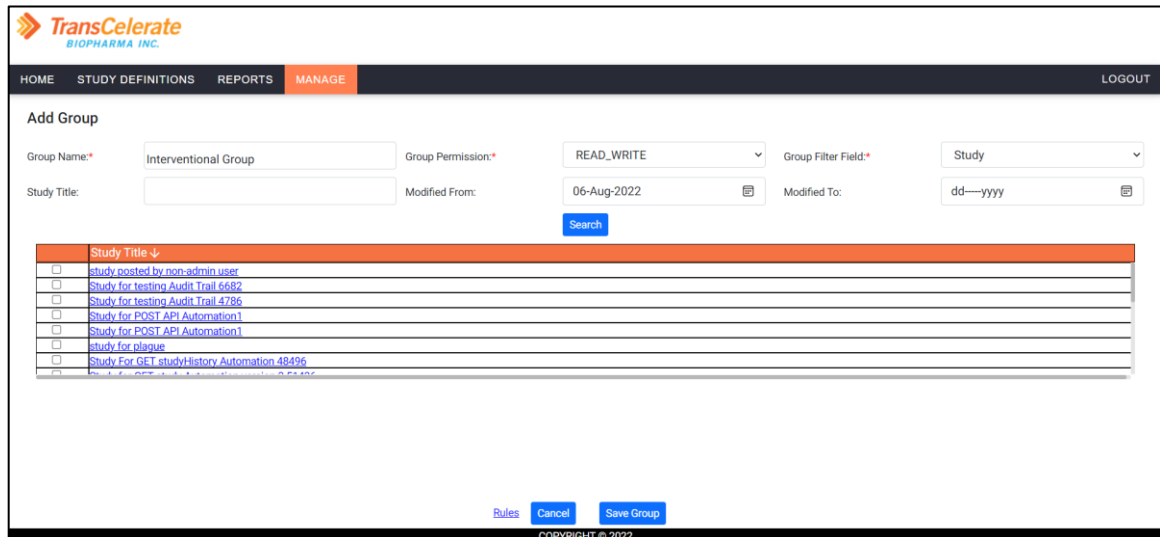
- vii. The Group Filter Field allows the admin user to configure the rule that combines one or more studies to be associated with a group. When Study Type filter is selected, one or more study types can be selected and added to the rule.

Figure 23 Create New Group



- viii. In addition to Study Type, even specific studies can be searched by selecting the Group Filter Field as Study, which will then allow user to search studies and select them to add to the Group rule.

Figure 24 Group Management - Search Studies



TransCelerate BIOPHARMA INC.

HOME STUDY DEFINITIONS REPORTS **MANAGE** LOGOUT

**Add Group**

Group Name:\*  Group Permission:\*  Group Filter Field:\*

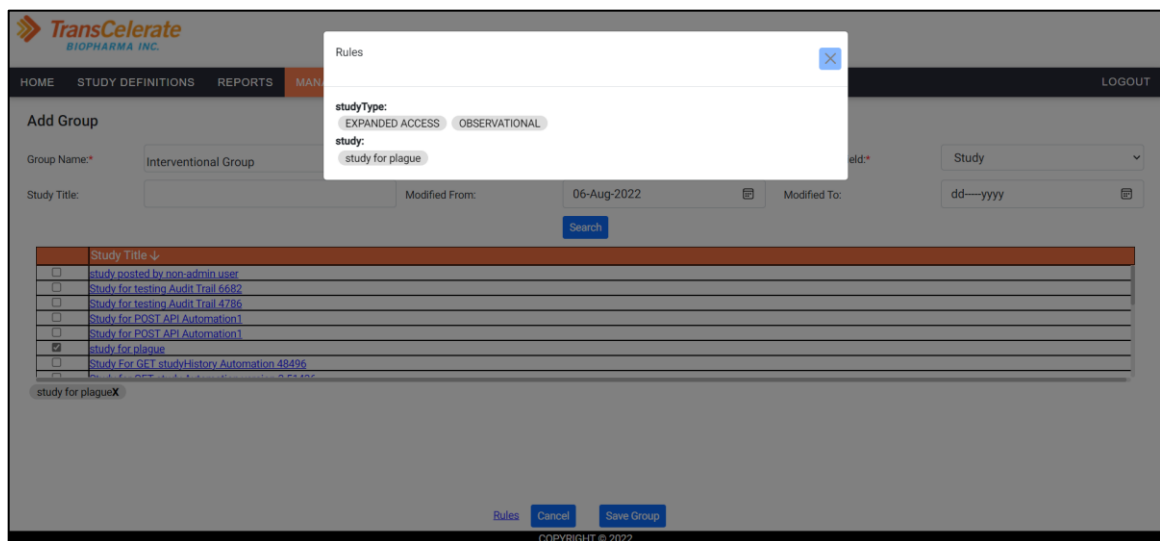
Study Title:  Modified From:  Modified To:

	Study Title ↓
<input type="checkbox"/>	study posted by non-admin user
<input type="checkbox"/>	Study for testing Audit Trail 6682
<input type="checkbox"/>	Study for testing Audit Trail 4786
<input type="checkbox"/>	Study for POST API Automation1
<input type="checkbox"/>	Study for POST API Automation1
<input type="checkbox"/>	study for plague
<input type="checkbox"/>	Study For GET studyHistory Automation 48496
<input type="checkbox"/>	Study For GET studyHistory Automation 48496

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- ix. Group Rules can have filters with just one filter field or a combination of available filter fields.
- x. At any point in time, the current rule configuration on the Group can be seen by clicking on the Rules link at the bottom.

Figure 25 Group Management - Rules



TransCelerate BIOPHARMA INC.

HOME STUDY DEFINITIONS REPORTS **MANAGE** LOGOUT

**Add Group**

Group Name:\*  Group Permission:\*  Group Filter Field:\*

Study Title:  Modified From:  Modified To:

	Study Title ↓
<input type="checkbox"/>	study posted by non-admin user
<input type="checkbox"/>	Study for testing Audit Trail 6682
<input type="checkbox"/>	Study for testing Audit Trail 4786
<input type="checkbox"/>	Study for POST API Automation1
<input type="checkbox"/>	Study for POST API Automation1
<input checked="" type="checkbox"/>	study for plague
<input type="checkbox"/>	Study For GET studyHistory Automation 48496
<input type="checkbox"/>	Study For GET studyHistory Automation 48496

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**Rules**

studyType: ☐ EXPANDED ACCESS ☐ OBSERVATIONAL

study:

- xi. Once the rule has been configured, user can click Save Group to create the Group.
- xii. All studies that satisfy the rule on a group will be accessible to users belonging to that group. The permission selected on the group will govern the access level (READ or READ & WRITE)
- xiii. Existing Groups can be edited from the home screen of the Group Management feature.

- xiv. Groups can be deleted using the delete action on the list of groups table. Each Group filter field in a group can be individually deleted and when the last group filter is deleted, the Group is also deleted.
- xv. Note that, when a user creates a new study the group mapping is required to be done by an Admin user if the study does not qualify for any rules on any existing groups in the system.
- xvi. Also note that, any user having association with at least one group where they have READ & WRITE permissions can create a new study in SDR. If user belongs to groups which are configured to have only READ permissions, user cannot add/edit study definitions.

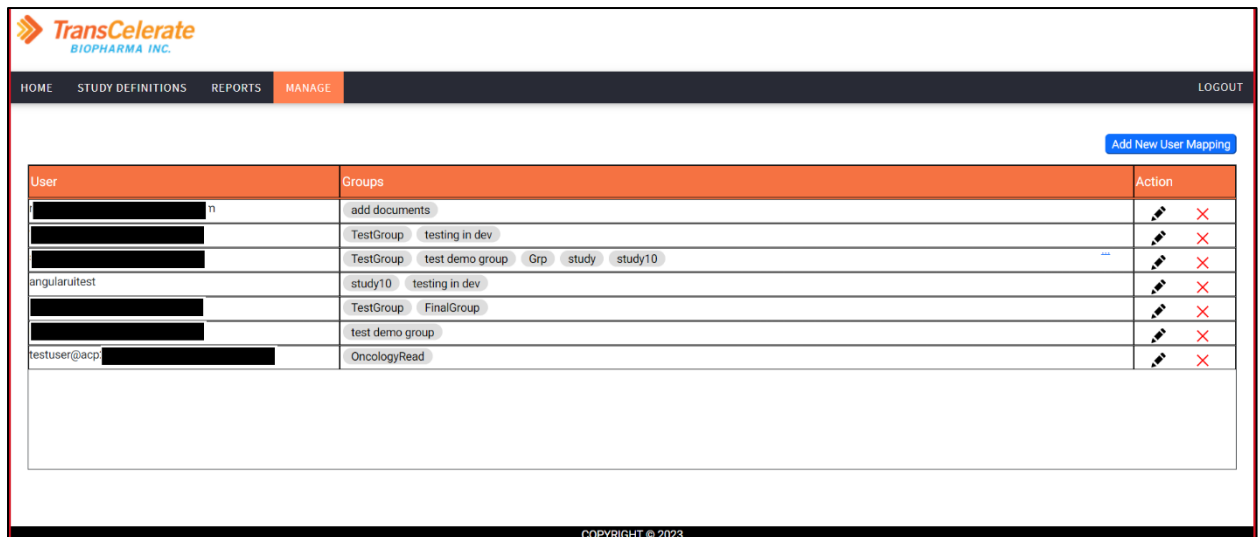
### 3.2.2. User Management

This screen allows admin users to map existing users in the system to Groups. Note that this screen is not to onboard or provision access to new users to SDR system.

#### NAVIGATION STEPS:

- i. An admin user can navigate to the User Management screen from the Manage main menu by selecting User option.

Figure 26 Group management page

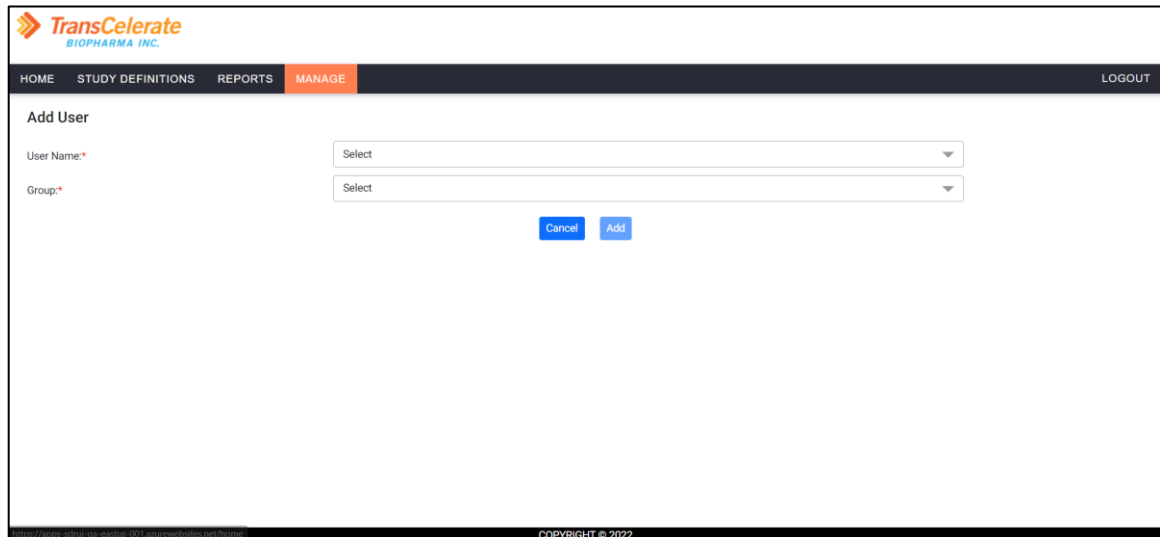


User	Groups	Action
[redacted]	add documents	[edit icon] [X]
[redacted]	TestGroup testing in dev	[edit icon] [X]
[redacted]	TestGroup test demo group Grp study study10	[edit icon] [X]
angularitest	study10 testing in dev	[edit icon] [X]
[redacted]	TestGroup FinalGroup	[edit icon] [X]
[redacted]	test demo group	[edit icon] [X]
testuser@acp [redacted]	OncologyRead	[edit icon] [X]

This feature allows the admin user to associate users to one or more groups. By default, the existing list of user mappings are loaded on the home screen of this feature.

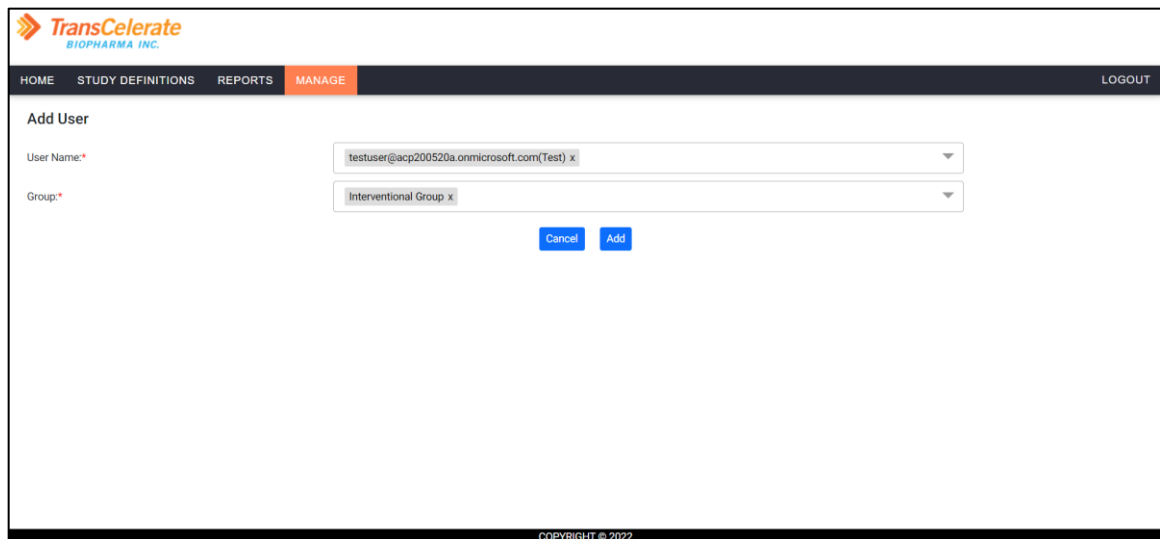
- ii. To create a new user mapping, admin can click on Add New User Mapping.

Figure 27 Add user page



- iii. On Add User screen, admin can search and select a user to whom a group association needs to be added.
- iv. Once the user is selected, in the Group dropdown one or more groups can be selected and on clicking Add the mapping can be saved.

Figure 28 User Management - Group Mapping



- v. To edit the group association for a specific user, admin can click edit on that user in the mappings table and add/remove group associations.
- vi. Group associations can be deleted from the mappings table which will remove all group associations & revoke access for user to all data in the system.