

Developer & Admin Guide

For

Image Previewer

By

Tranzevo



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1. Introduction

Welcome to Image Previewer! Our app is here to make your file viewing experience on Salesforce easier and more efficient. With Salesforce's built-in UI components and Lightning web components, developers already have many tools. But Image Previewer takes it a step further.

Our Lightning web component takes the standard file viewer and enhances it with advanced features. You can now preview images, select multiple files (including images and other files), and perform various actions on them. It simplifies and speeds up the development process.

Image Previewer offers all the basic features like selecting multiple files and managing them effortlessly. It also allows you to categorize your files during the upload file(s) using custom fields. This makes it easier to organize your files and find what you need.

Upgrade your file viewing experience on Salesforce with Image Previewer. It's a versatile and dynamic Lightning web component that makes managing and viewing files. Additionally, you can easily download files when needed.

Not only does Image Previewer optimize the thumbnail and list view, but it also introduces additional capabilities to enhance your file management. We understand the importance of maintaining data security, which is why Image Previewer provides restrictions for deleting files, ensuring that only authorized users have the power to remove files from your system.

Upgrade your file viewing experience on Salesforce with Image Previewer. Try it today and discover the power of file management within your organization.

2. Installation

1. Install the Image Previewer managed package from the link here -

<https://login.salesforce.com/packaging/installPackage.apexp?p0=04t5g0000006AQX>

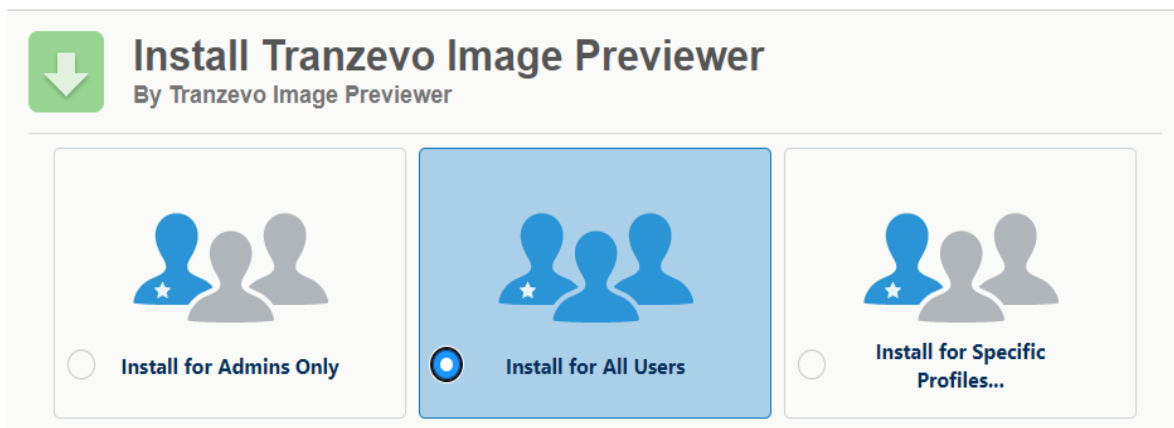
Or

Install the package from app exchange from the link here -

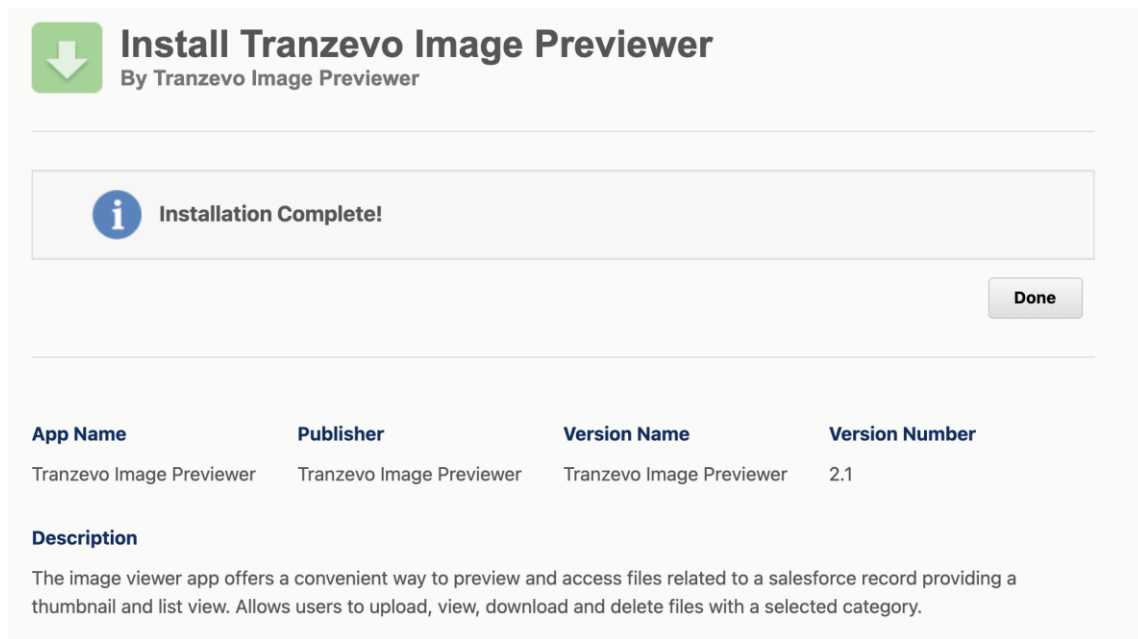
<https://appexchange.salesforce.com/appxListingDetail?listingId=a0N4V00000JusFMUAZ>

We recommend installing this component package from AppExchange so that you will get the latest version of the component.

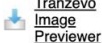
2. Select **Install for All Users**



3. Click on **Done** once the installation is completed. That is all you need to do. The component is ready to be used.



4. To verify if the Installation is completed successfully, check in **Setup → Packaging → Installed Packages**.

Uninstall		Tranzevo Image Previewer	2.1	TNZImagePreview Free	N/A	N/A	N/A
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3. Permission Set Details

Permission Set

a) TNZImagePreviewerAdminPermission:

This permission set is designed to grant administrative access to users. It provides extensive privileges and control over the TNZImagePreviewer component. Users assigned with this permission set will have the ability to configure, manage, and customize the TNZImagePreviewer functionality. They can perform tasks such as creating and modifying settings and managing user permissions.

b) TNZImagePreviewerUserPermission:

This permission set is intended to provide view access to users. It allows users to

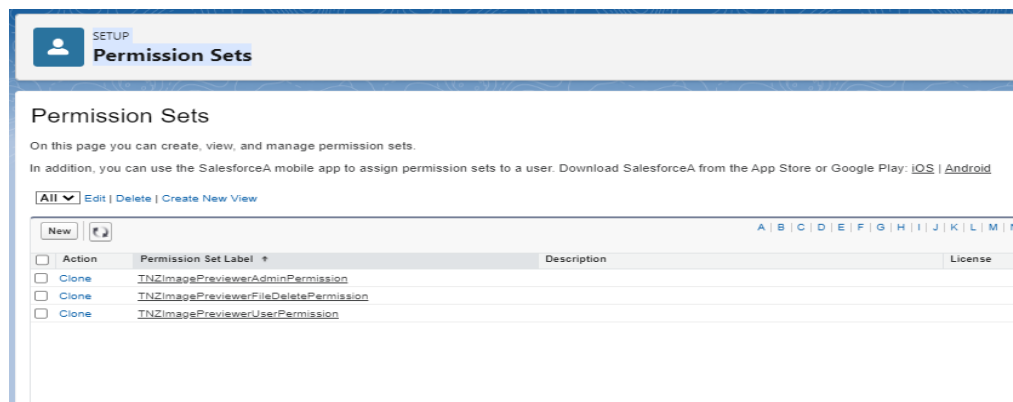
interact with the TNZImagePreviewer component and view its contents. Users assigned with this permission set will be able to view and interact with the specified components. They will have the necessary access rights and permissions to utilize the functionality provided by those components within the Salesforce org.

c) TNZImagePreviewerFileDeletePermission:

This permission set grants users the ability to delete files within the TNZImagePreviewer component. Users assigned with this permission set will have the necessary privileges to delete files associated with the component. They can remove unwanted or outdated files. However, this permission set doesn't provide administrative access or the ability to modify other settings within the component. This permission set provides access to a custom permission 'TNZImagePreview.DeleteFileAccess'. This permission enables the Delete button on the TNZImagePreviewer component. Please note that if we assign this custom permission via any other profile or permission set, then it will enable the Delete button on the component.

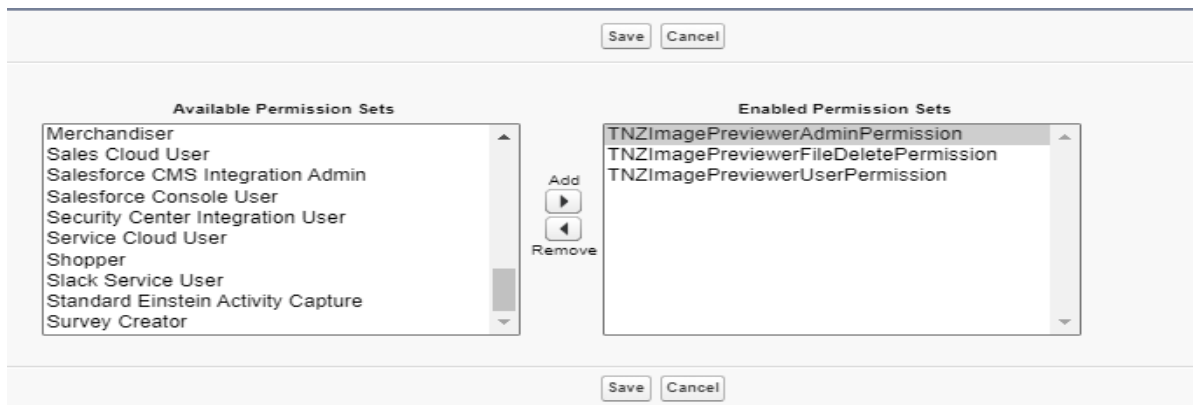
Permission Set Assignment

Navigate to Setup → Permission Sets → Select Permission Set → Manage Assignments → Select User.



OR

Navigate to Setup → Users → Select User → Permission Set Assignments → Edit Assignments
→ Enabled Permission Set



4. Custom Metadata Details

The purpose of the file viewer setting custom metadata is to store the configuration parameters for the file viewer component. By using custom metadata for file viewer settings, you can centralize the configuration and make it more manageable. It allows you to define and customize various aspects of the file viewer component, such as the maximum file view count, accepted file types, and file delete success message, among others.

The custom metadata for file viewer settings is required to store the configuration parameters specific to the file viewer component.

1. Label:

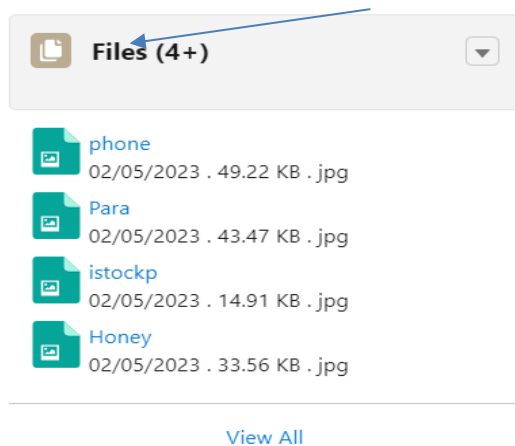
This is the standard field. It refers to the metadata record label.

2. File Viewer Settings Name:

The unique name used by the API and managed packages. The name must begin with a letter and use only alphanumeric characters and underscores. The name cannot end with an underscore or have two consecutive underscores.

3. Max File View Count:

You can set the maximum file count displayed on a component.



4. Accepted File Types:

Used to specify accepted file types of users can add in the field. For example .png, .jpg, .jpeg, .xls, .pdf

5. File Delete Success Message:

After the deletion of file/files for confirmation Success Toast message will Display. The message you can set here.

5. How to use Custom Metadata?

1. Create a Custom Metadata Record for File Viewer Settings.

New Custom Metadata Type						
Action	Label	Namespace Prefix	Visibility	API Name	Record Size	Description
Manage Records	File Viewer Settings	TNZImagePreview	Public	TNZImagePreview__File_Viewer_Settings__mdt	555	This metadata stores the configuration parameters for the file viewer component added on opportunity, work order and service appointment pages.

- Navigate to Setup.
- Search and Select Custom Metadata Types.
- Select File Viewer Settings.

- Select Records.

File Viewer Settings

File Viewer Settings Edit
Save Save & New Cancel

Information

Label

File Viewer Settings Name
 ⓘ

Max File View Count

Accepted File Types

File Delete Success Message ⓘ

Protected Component
☐ ⓘ

Save Save & New Cancel

- Select New.
- Fill in the required details as per the requirement for the File viewer Setting and Save the record.

Refer to the below image for File Viewer Setting fields.

File Viewer Settings

File Viewer Settings Edit
Save Save & New Cancel

Information

Label

File Viewer Settings Name
 ⓘ

Max File View Count

Accepted File Types

File Delete Success Message ⓘ

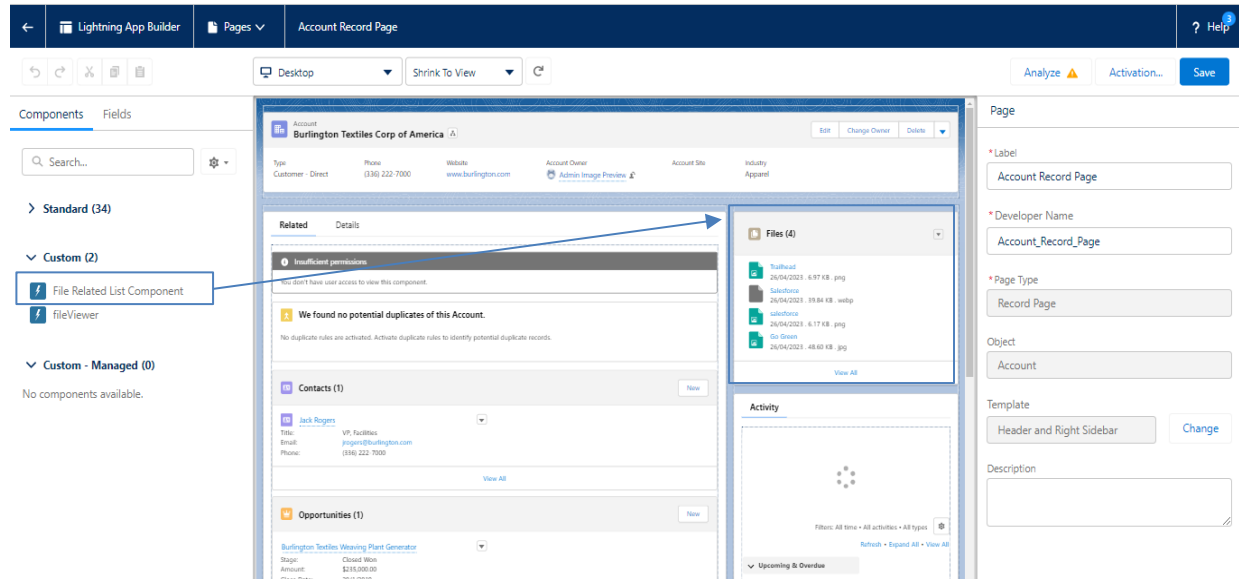
Protected Component
☐ ⓘ

Namespace Prefix

Save Save & New Cancel

6. How to use the component on the record page?

1. Drag the File Related List Component on the lightning record page.

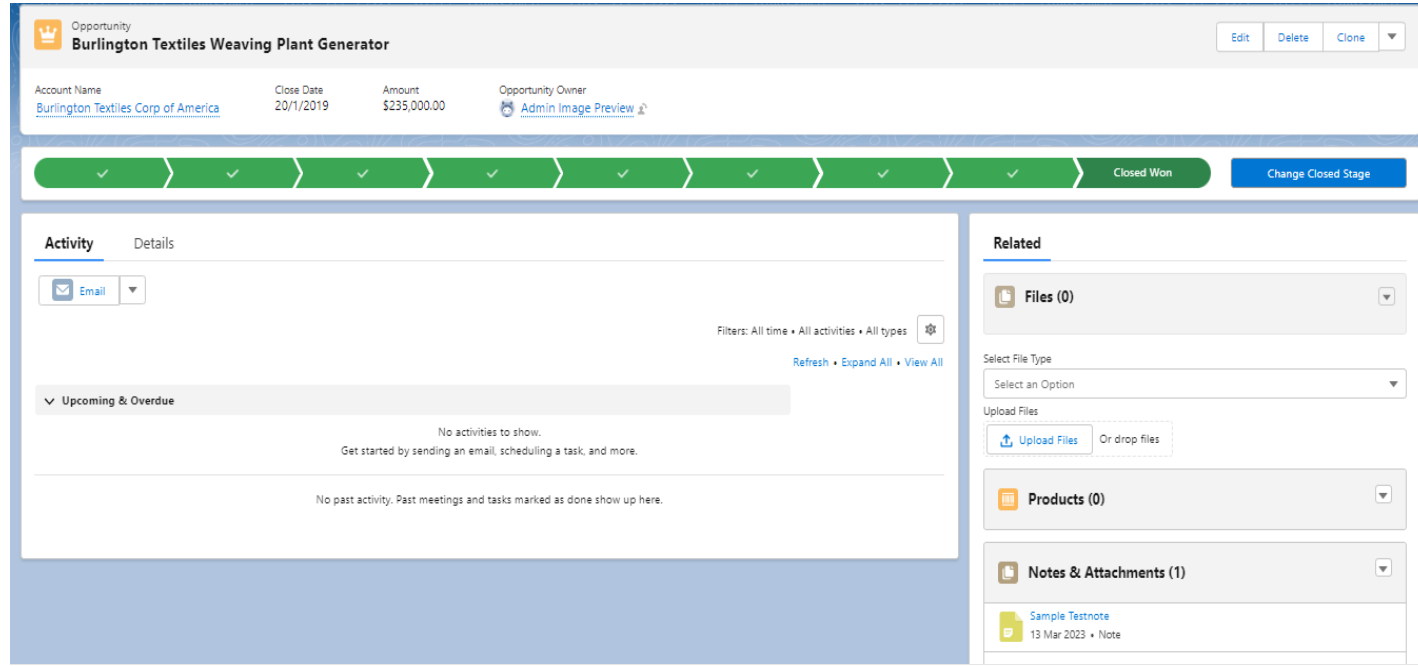


2. Set the Design attributes of the file-related list component.
 - **nameField**: API Name of the name field of the object for ex. Name for Account. This is required to fetch the details for the Breadcrumb displayed on the File Viewer Component. You must set nameField as Name.
 - **metadataName** : This can be kept blank to use the component's default settings (stored in File Viewer Settings metadata). To use a different set of values create a new record for the custom metadata and pass the MasterLabel field on the record as metadata name design parameter
3. Save and activate the page. The file-related list is ready for use. For UI details please refer to the next section.

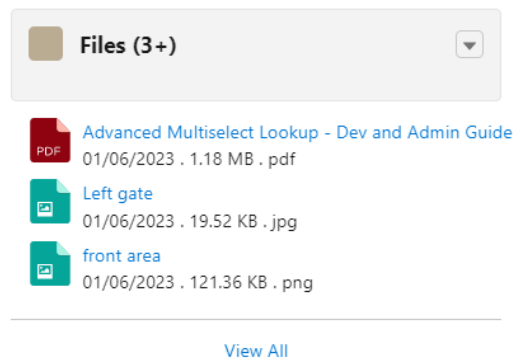
7. Examples of Components Usages in Org

1. Screen 1: File Related List Component.

- This will be added to the page layouts and easily add files.



- You can upload files with relevant categories. You can add picklist values on the `TNZImagePreview__Type__c` field on the Content Version object as per requirement.
- Display files with count and after maximum count display with +:



2. Screen 2: Image Viewer Component (Navigate to this by clicking on View All)

Opportunities > Burlington Textiles Weaving Plant Generator

[Toggle to List View](#) [Download](#) [Delete](#) [Add Files](#) [Refresh](#)

☐ Select All

▼ Indoor



staff image



indoor img



Office



img indoor

▼ Images



Left gate



front area



Back Wall



Parking

▼ Other Files

☐ 

.ltsiselect Lookup - Dev and

8. Key Features

1. Mass Delete or Download Using the Select All Check box:

Opportunities > Burlington Textiles Weaving Plant Generator

Toggle to List View Download Delete Add Files

☒ Select All

▼ Indoor






staff image indoor img Office img indoor

▼ Images






Left gate front area Back Wall Parking

▼ Other Files

☒ PDF

I Multiselect Lookup - Dev and Adr

	☐	▼	Title	▼	Owner	▼	Last Modified Date	▼	Size	▼
1	☐		Left gate		Admin Image Preview		01/06/2023 , 05:11 PM		19.52 KB	▼
2	☐		front area		Admin Image Preview		01/06/2023 , 05:11 PM		121.36 KB	▼
3	☐		Back Wall		Admin Image Preview		01/06/2023 , 05:11 PM		92.47 KB	▼
4	☐		Parking		Admin Image Preview		01/06/2023 , 05:11 PM		28.95 KB	▼

▼ Other Files

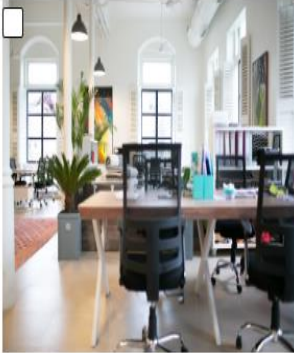
2. Breadcrumb view, like standard salesforce to help you identify the current location and take you back to the record page:

Opportunities > Burlington Textiles Weaving Plant Generator

Toggle to List View Download Delete Add Files

☐ Select All

▼ Indoor



staff image indoor img Office img indoor

3. Get a list view by clicking on Toggle to List View button:

Opportunities > Burlington Textiles Weaving Plant Generator

Toggle to List View Download Add Files

☐ Select All

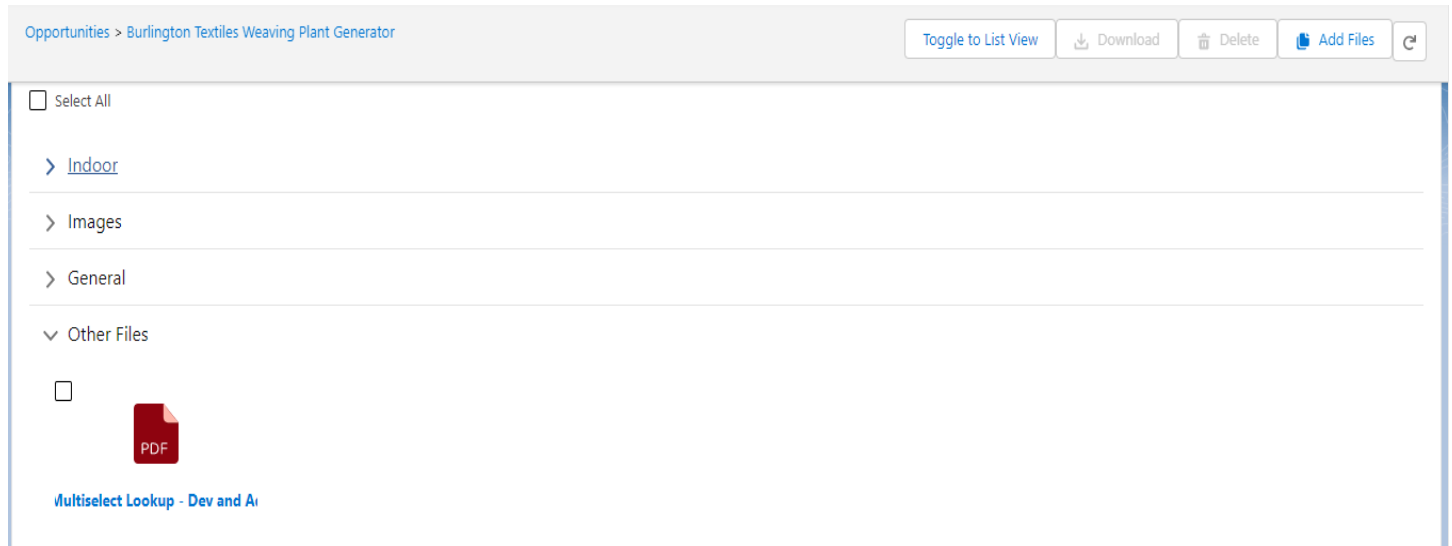
▼ Indoor



staff image indoor img Office img indoor

If a user does not have access to delete files, the Delete button will be disabled, implementing a Controlled Delete functionality.

4. Categorize your images into relevant sections:



9. Components Details

Sr No.	Component Type	Component Name	Description
1	Custom Object (Metadata)	File Viewer Settings	Custom Metadata to control all the configuration parameters for the component.
2	Custom Field	Accepted File Types	Accepted file types for file upload. This will be a comma-separated list of file extensions.
3	Custom Field	File Delete Success Message	Success message when file deletion is completed.
4	Custom Field	Max File View Count	A maximum number of files is to be displayed on the related list.
5	Page Layout	File Viewer Settings Layout	Page Layout for the custom metadata.
6	Custom Metadata	Default	Default settings for the file viewer.

	Record		
7	Lightning Component Bundle	fileRelatedList	Related list component that will be added on the record pages. It takes the record Id from the page as input. The UI is very similar to standard files related list
8	Lightning Component Bundle	fileViewer	This component displays all the image file in preview mode. The image files are grouped into one section based on the category/type associated with it. All other files are categorized as Other Files. The option for multiple file download and delete (based on custom permission) are available.
9	Lightning Component Bundle	addFiles	Child component used to upload files and link to the current record.
10	Lightning Component Bundle	fileListViewComponent	This component is another child component that is used to display files in a list view format. It shows the files' names, sizes, and other relevant information.
11	Lightning Component Bundle	imageControl	This child component is specifically designed to display images in a list view format. It includes small representations of the images, along with associated information.
12	Lightning Component Bundle	dataTableWithImageExtension	It includes columns for file names, sizes, types, and other relevant attributes.
10	ApexClass	FileViewerCC	Controller class for FileViewer component. Methods: 1. getBreadCrumbDetails: Retrieves the details required to display the breadcrumb navigation in the file viewer component. 2. getCategorizedFiles : Retrieves files related to a record and categorizes them based on their file extensions. 3. getUpdateTypeField : Updates the `TNZImagePreview__Type__c` field for the specified documents. 4. deleteSelectedFiles : Deletes selected files.

11	Apex Class	FileRelatedList_CC	Controller class for FileRelatedList component. Methods: 1. getRelatedFiles(String recordId): The method returns a list of `FileWrapper` objects containing the necessary details to display, preview, or download a file from the user interface. 2. getComponentConfigDetails(String objectName): This method retrieves the configuration settings for the file-related list component.
12	Apex Class	FileWrapper	Wrapper class to hold all the parameters used to display/process on the component UT. Methods: 1. FileWrapper(ContentVersion latestContentVersion): The purpose of this constructor is to initialize the `FileWrapper` object with the necessary properties and values based on the provided `latestContentVersion`. 2. FileSizeToString(Long Value): The method returns a string representing the file size with the appropriate unit (e.g., KB, MB, GB).
13	Apex Class	SaveResult	It provides a convenient way to capture and manage error messages and success results.
14	Custom Field	Type	Picklist field to categorize the uploaded files.
15	Custom Permission	DeleteFileAccess	Used to show/hide the delete button on the component.