



## **Tsunami Archiver User Guide**

**Tsunami Inc.**

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## TZUNAMI ARCHIVER

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**Tsunami Archiver** is a powerful intranet-based web application designed to enhance data accessibility and transparency within organizations. Developed to work seamlessly with Tsunami Exporter, this tool allows users to conveniently browse and inspect exported content directly from a web browser.

Upon exporting data using Tsunami Exporter, **Tsunami Archiver** enables effortless viewing of the exported files, metadata, and associated permissions. The application is hosted on an IIS (Internet Information Services) server and deployed within the organization's network using a dedicated installer over the HTTP protocol.

In addition to data viewing, **Tsunami Archiver** includes robust user management capabilities, allowing administrators to register, manage, and control access for users—ensuring secure and role-based visibility of exported content.

With a streamlined configuration process and intuitive interface, **Tsunami Archiver** provides a centralized, secure environment that boosts productivity, enhances compliance, and simplifies data governance.

# 1 PREREQUISITES

This section provides the information about the pre-requisites required to run the Tsunami Archiver. These pre-requisites should be installed/configured/enabled in the machine where Tsunami Archiver is being hosted. All these requirements should be verified before installing the Tsunami Archiver by the user.

## 1.1 PREREQUISITES AND GROUNDING

Tsunami Archiver application requires IIS, Dot Net Core 3.1, PostgreSQL pre-installed and configured. Following section explains about the pre-requisites.

### 1.1.1 Internet Information Services (IIS)

Tsunami Archiver application should be hosted in IIS. Therefore, IIS should be installed and configured supporting to host the dotnet core application. IIS can be enabled using **Turn Windows features on or off** feature of the windows.

### 1.1.2 Dot Net Core

Tsunami Archiver application is created on .net core 3.1. For hosting the Tsunami Archiver on IIS, ASP.NET Core Runtime Windows Hosting Bundle (v3.1.3 or higher) needs to be installed.

Refer the following download Link and install it.

<https://dotnet.microsoft.com/download/dotnet-core/thank-you/runtime-aspnetcore-3.1.3-windows-hosting-bundle-installer>

### 1.1.3 PostgreSQL

Tsunami Archiver application manages required data in PostgreSQL database.

Download the PostgreSQL from the official site for your operating system and install it with default options. Remember that **Server**, **Port**, **User Id** and **Password** configured during installation are used while hosting the application later.

Download link: [EDB: Open-Source, Enterprise Postgres Database Management](#)

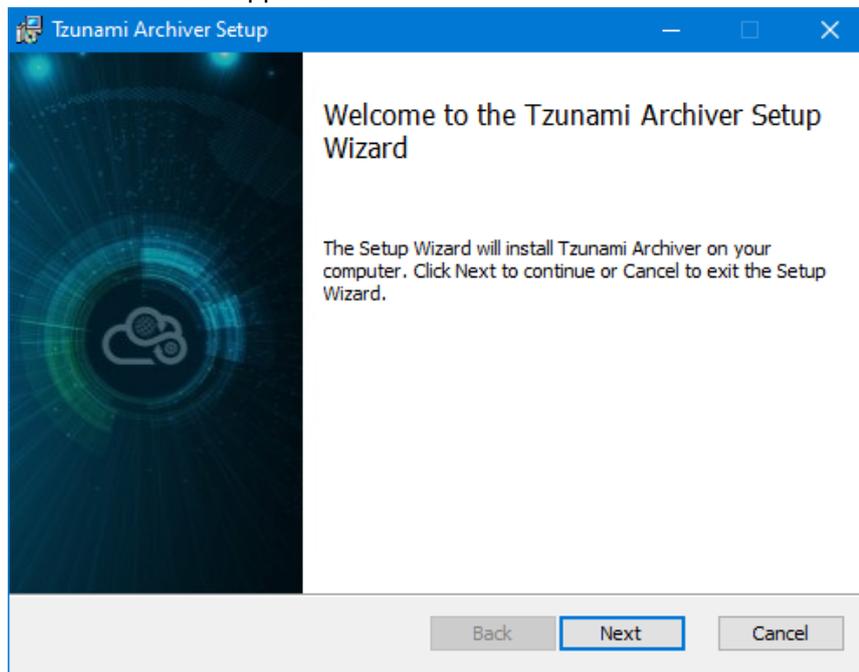
## 2 INSTALLATION OF TZUNAMI ARCHIVER

Tsunami Inc. provides an installer for Tsunami Archiver. It copies all the required files and folders to run and create a new website in the IIS. Make sure, all the prerequisites are installed/configured before running the installer.

### 2.1 HOST ARCHIVER SOLUTION IN IIS

To install the Tsunami Archiver, perform the following steps:

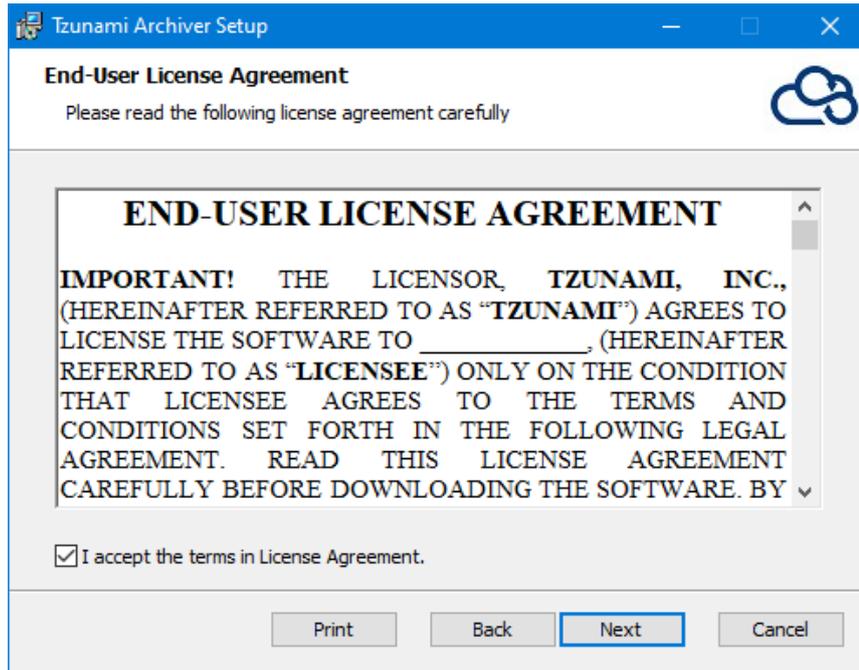
1. Download the installer package. Then, run the installer.
2. A welcome screen appears.



**Figure 2-1 Welcome Screen**

Click on **Next** button.

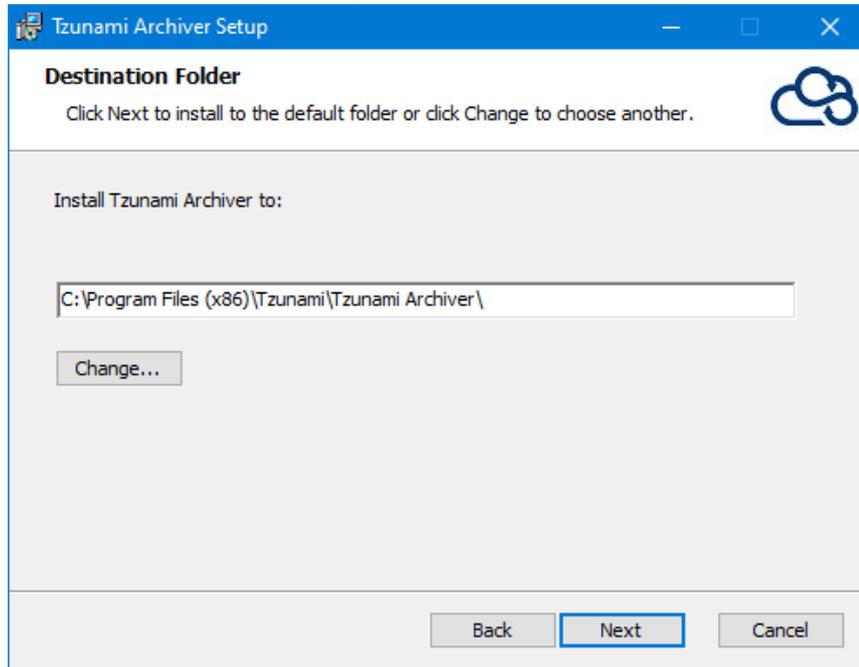
3. A license agreement screen appears.



**Figure 2-2 License Agreement Screen**

Accept the license agreement, then click on **Next** button.

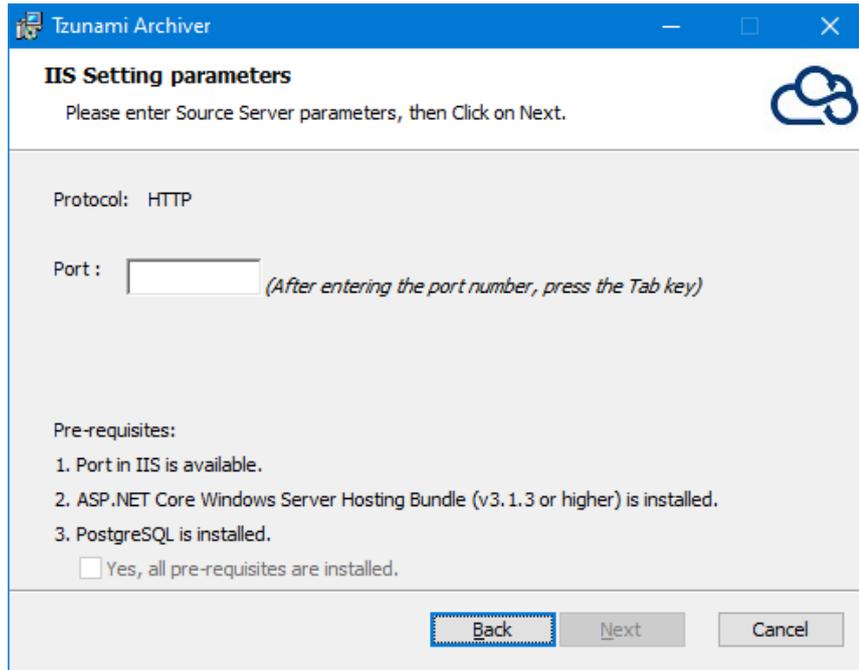
4. A destination folder screen appears.



**Figure 2-3 Destination Folder Screen**

The default location is displayed. The directory can be changed to desired location from Change button. Click on **Next** button.

5. An IIS settings screen appears.

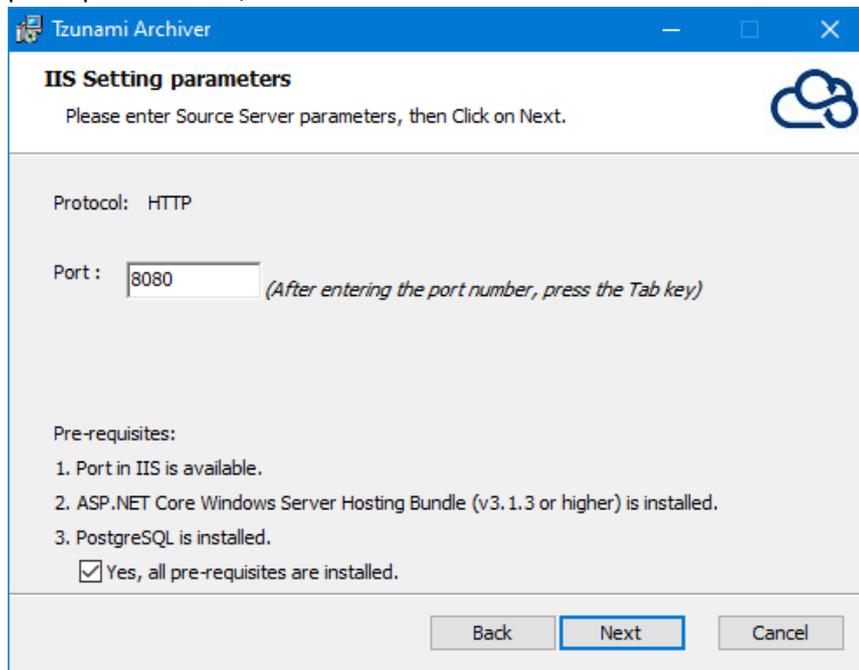


**Figure 2-4 IIS Settings Screen**

Enter the desired port number to host the website. Then, press TAB key to enable confirmation checkbox. Make sure the port number is available in IIS to host the website before enter it.

Click on **Next** button.

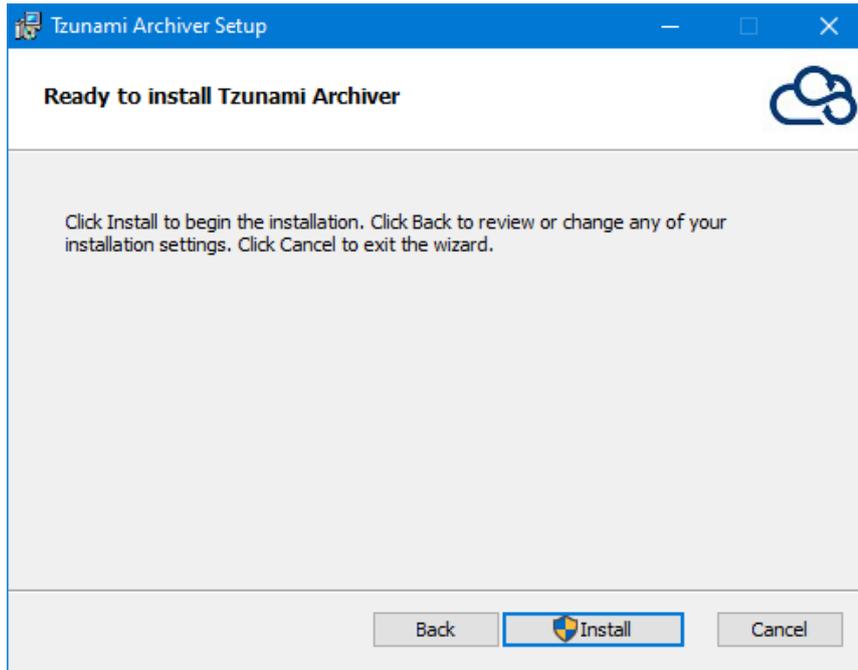
6. Validate the prerequisites if not validated already. Check on confirmation for the prerequisites. Then, the Next button is enabled.



**Figure 2-5 Confirmation for pre-requisites**

Click on **Next** button.

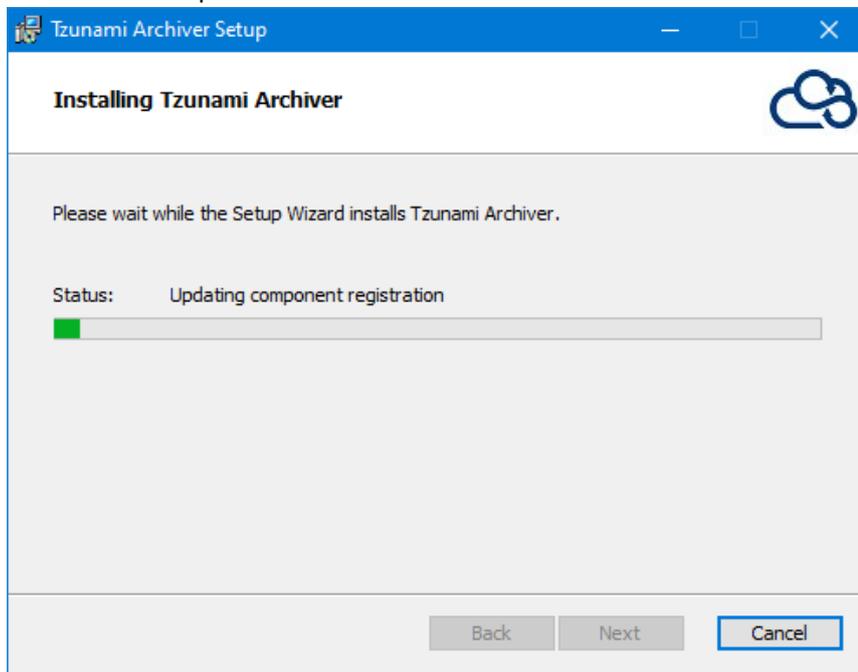
7. A ready to install screen appears.



**Figure 2-6 Ready to Install Screen**

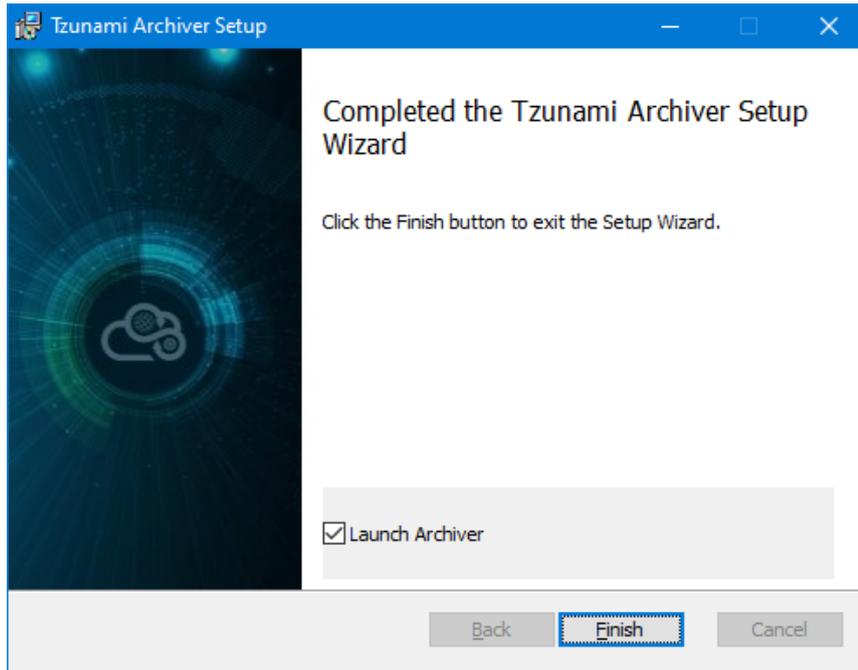
Click on **Install** button.

8. The installation process starts.



**Figure 2-7 Installation Progress Screen**

9. A finish screen appears.



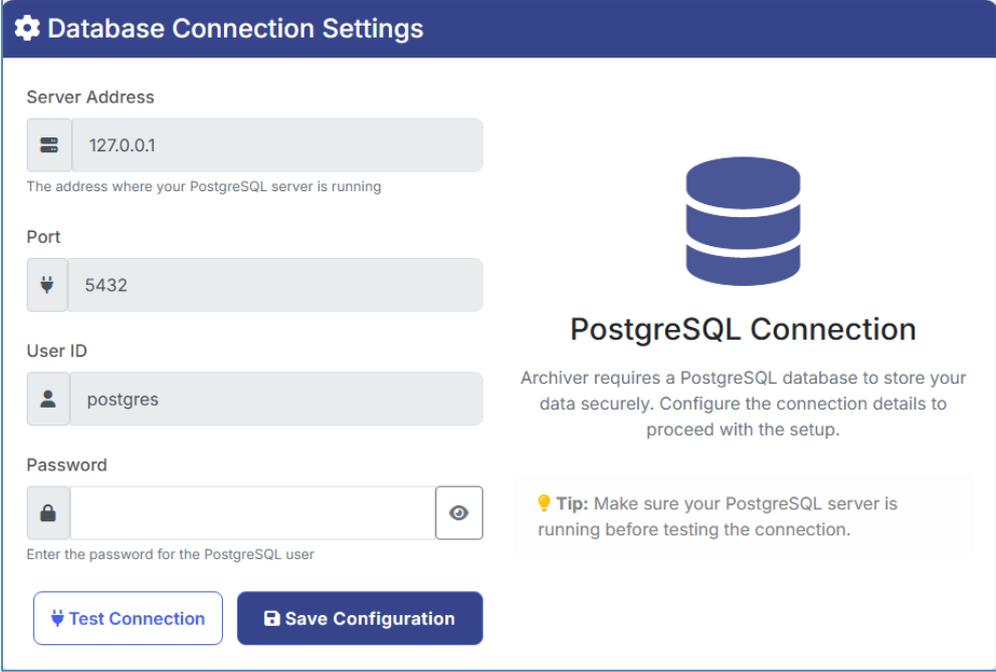
**Figure 2-8 Installation Finish Screen**

Check on the launch archiver check box so that website will be opened in a browser.  
Click on **Finish** button.

## 2.2 CONFIGURE POSTGRESQL DATABASE CONNECTION

PostgreSQL database configuration for the application should be performed. The application opens the page to configure it. Perform the following steps to configure.

1. Now, start the website and browse. For the first time, a database configuration screen appears. Provide the password that is set during installation of PostgreSQL



The screenshot shows a web interface titled "Database Connection Settings". It contains four input fields: "Server Address" with the value "127.0.0.1", "Port" with "5432", "User ID" with "postgres", and "Password" which is currently empty. Below the password field is a "Test Connection" button and a "Save Configuration" button. To the right of the form is a PostgreSQL database icon and a section titled "PostgreSQL Connection" with explanatory text and a tip.

**Database Connection Settings**

Server Address  
127.0.0.1  
The address where your PostgreSQL server is running

Port  
5432

User ID  
postgres

Password  
Enter the password for the PostgreSQL user

[Test Connection](#) [Save Configuration](#)

**PostgreSQL Connection**

Archiver requires a PostgreSQL database to store your data securely. Configure the connection details to proceed with the setup.

**Tip:** Make sure your PostgreSQL server is running before testing the connection.

Figure 2-9 PostgreSQL Connection

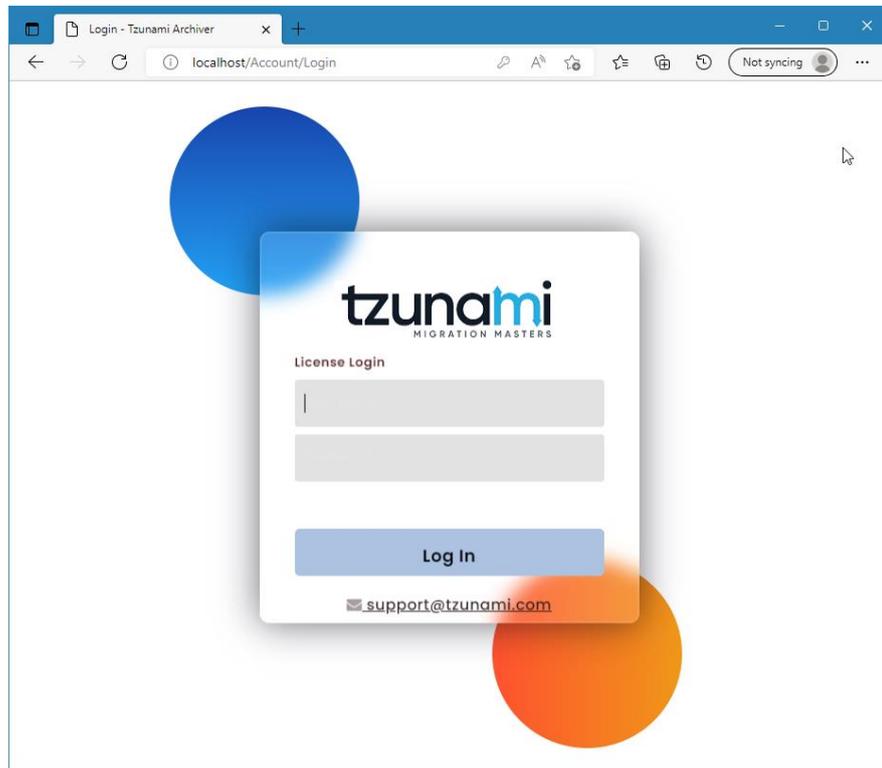
Click on **Save Configuration** button. Database is configured inevitably. In the PostgreSQL, a database named as **archiverdb** is created. The Tsunami Archiver application uses the database.

## 2.3 ACTIVATE LICENSE

Tsunami Archiver requires a license to function. Tsunami Inc. provides the license for the application. Please, contact at [support@tsunami.com](mailto:support@tsunami.com) for license.

Once the license credential is obtained, perform the following steps to activate the license:

1. Browse the Archiver solution. **License Login** window appears.



**Figure 2-10 License User Login**

Provide the credential for license. Click on **Log In**. After successful login, the application is activated with the license.

Once license is activated, Archiver Solution creates a default Administrator User with same username and password.

2. Now, **Archive User Login** window appears. For the first time, login with the default created Administrator user.

3. Go to menu on left side and click on License Details to view the license information.

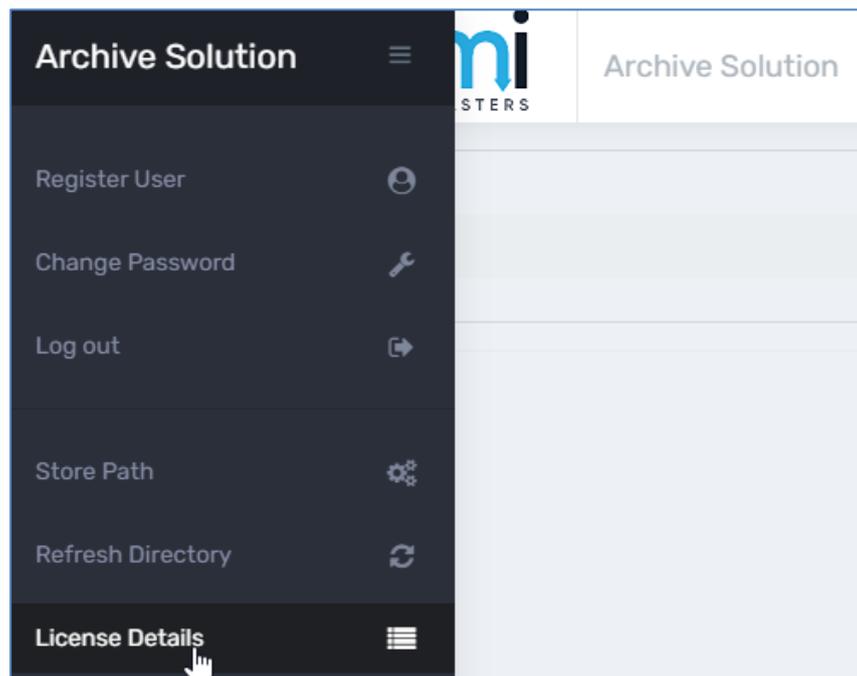


Figure 2-11 License Details

4. Go to **Register User** from menu. All the users for Tsunami Archiver are listed.

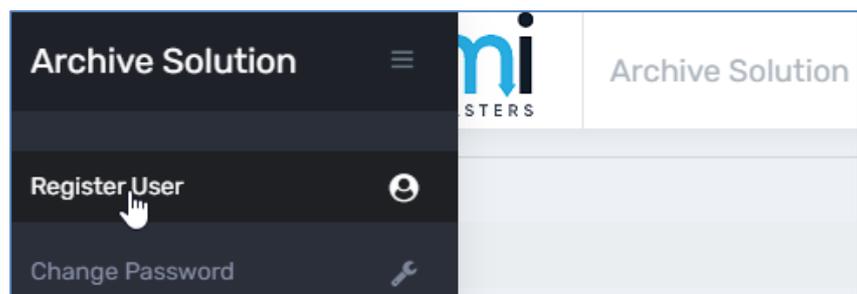


Figure 2-12 Registration of Users

It is recommended that create another user with **Admin** role and perform the administrative task through that user. Use **Tsunami Inc provided user** for license related task only. Users can change their password from **Change Password**.

Note: If default created administrator changes the password, the password provided for license will not be changed unless it is changed by Tsunami Inc.

## 2.4 MANAGE USERS IN TZUNAMI ARCHIVER

Tsunami Archiver provides the feature to register the users for the application. The user is assigned **Admin** or **Archiver User** role. Users having Admin role get permission to manage users in the application along with other features whereas user having Archiver User role get permission for other feature accept to manage users in the application. To create new user in the application, perform following steps:

1. Open the Tsunami Archiver application and log in with Admin user.
2. Click on **Register User** link in menu.

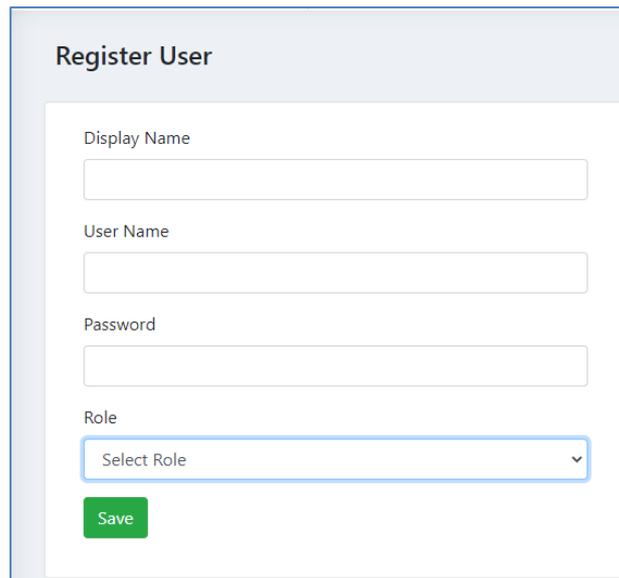


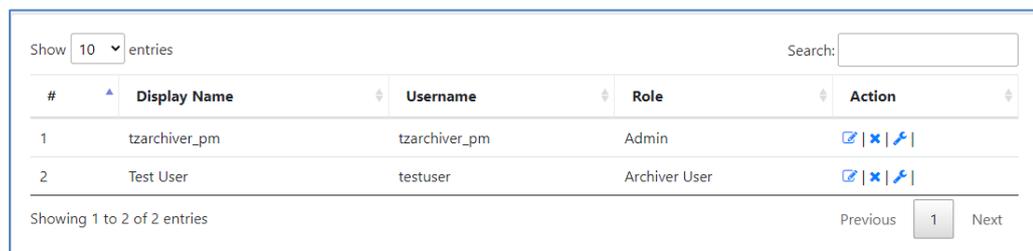
Figure 2-13 Create New User

Enter the Display Name, User Name, set password and assign the role for new user. The role can be **Admin** or **Archiver User**.

Click on **Save**. User is registered in the Archiver Solution.

Admin role can manage the users and perform tasks related to Archiver Solution whereas Archiver User can perform tasks related to Archiver Solution but cannot manage users.

3. The registered users are displayed in right panel.



#	Display Name	Username	Role	Action
1	tzarchiver_pm	tzarchiver_pm	Admin	<a href="#">✎</a> <a href="#">✖</a> <a href="#">🔄</a>
2	Test User	testuser	Archiver User	<a href="#">✎</a> <a href="#">✖</a> <a href="#">🔄</a>

Figure 2-14 List of Users

Admin user can edit the display name and role, delete the user and reset the password of any registered user. Users can change their password from **Change Password**.

## 3 WORKING WITH TZUNAMI ARCHIVER

Tsunami Archiver is an application which displays the exported data from ECM system using Tsunami Exporter in a web browser. User can view the metadata of exported content effortlessly.

Once the application is successfully configured, the registered users can navigate the exported folder and view the metadata in a web browser. Following sections describes the related process in details.

### 3.1 SET STORAGE PATH

The application assumes that all the exported data are already available in a folder shared folder in the network.

1. Open the Tsunami Archiver site and log in.
2. Click on Storage Path in menu

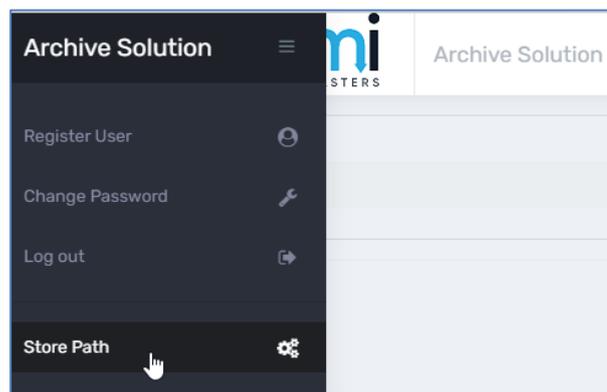


Figure 3-1 Storage Path Setting

3. In the Update Path window, enter the network path of shared folder (where exported contents of all Export Projects from Tsunami Exporter are available).

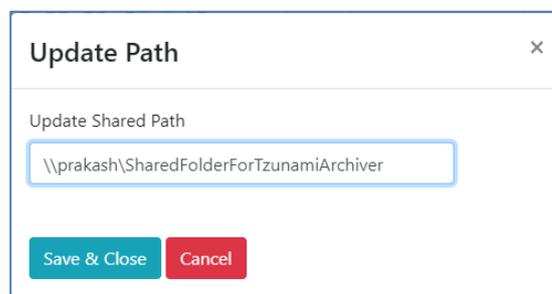


Figure 3-2 Storage Path

Click on **Save & Close**.

## 3.2 HOME PAGE

When user logs in successfully, the home page is displayed by default. The home page lists out the project folders available in storage path.

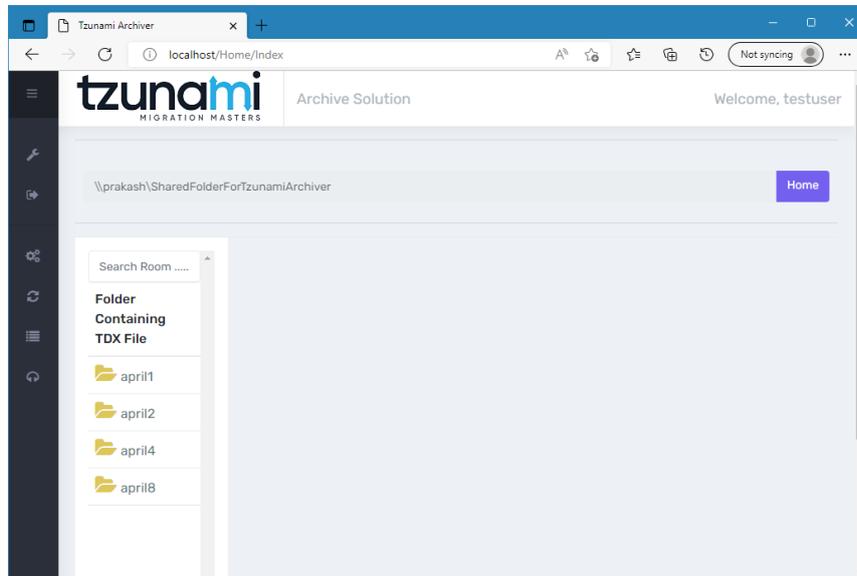


Figure 3-3 Home Page

On top right corner, logged-in user is displayed. User can see the storage path provided and **Home** button on top.

## 3.3 NAVIGATE TO ROOT

The home page displays the list of migration project folders on left pane. Clicking on project folder, an arbitrary folder named 'Root' is displayed on top of hierarchy under which migrated content are displayed. By default, hierarchy is displayed in collapsed state.

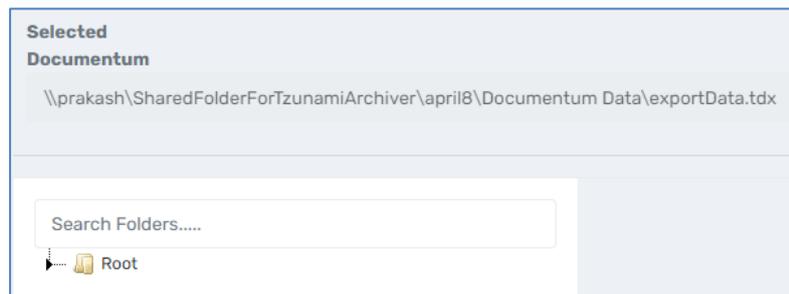


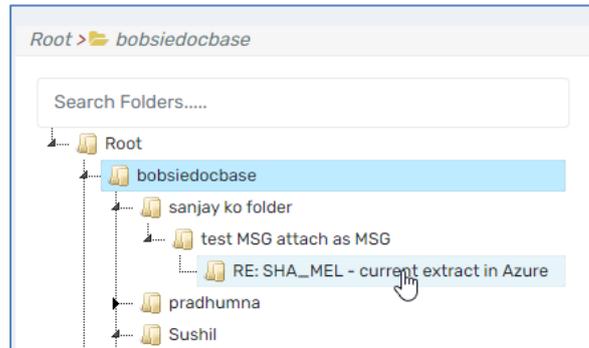
Figure 3-4 Tree View

User can expand the node and navigate as desired. For example, in above figure when user clicked on april1 (from the list of project folders) following hierarchy displayed (while expanding some nodes in the hierarchy).

### 3.3.1 Navigate to Folder

Once the Root hierarchy for exported content is displayed in left panel, user can expand the collapsed node as desired. When any folder in left panel is clicked, data containing under

that folder are displayed in right panel. The right panel shows the information for Title, type, version, property set, download, properties and permissions columns for each item. These columns provide options to download item, view versions, view properties and view permissions for each item.

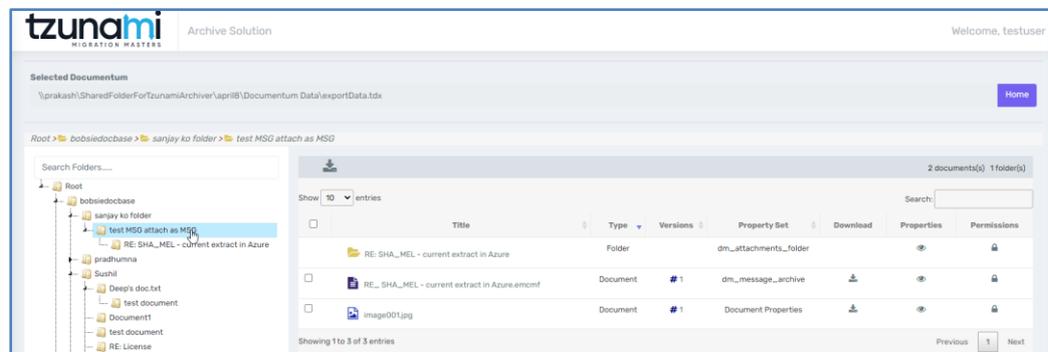


**Figure 3-5 Folder Navigation in Tree View**

Besides navigating folders from left panel, user can navigate through the right panel as well by clicking on title of folder. Clicking on title of data item, displays the properties of the item.

### 3.3.2 Navigate to Data Items

The left panel always displays the folders. To view the metadata of data items like word file, pdf file other types of specific files or items, right panel is used. User should click on the folder from the left panel and containing document/data items are displayed in right panel in grid view.



**Figure 3-6 Data Items Navigation**

The right panel grid shows the dropdown to show the number of items in current page of the grid, search bar for grid on top right corner and number of items per page in the grid.

The grid contains the Title, Type, Versions, Property Set, Download, Properties and Permissions columns.

### 3.3.2.1 Search data items

On right top corner of the right panel, a search bar is presented. User can type on the search bar and data are updated based on matched values from all columns.

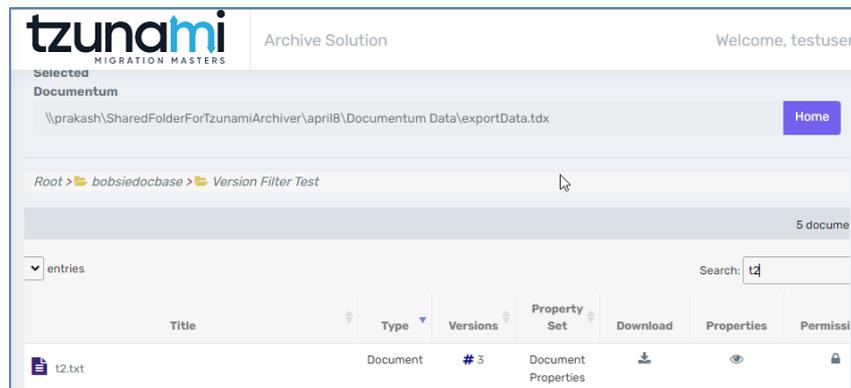


Figure 3-7 Data Items Search

### 3.3.2.2 View properties

On right panel, click on Properties icon under Properties column to view the properties of the item. The properties are displayed in the popup.

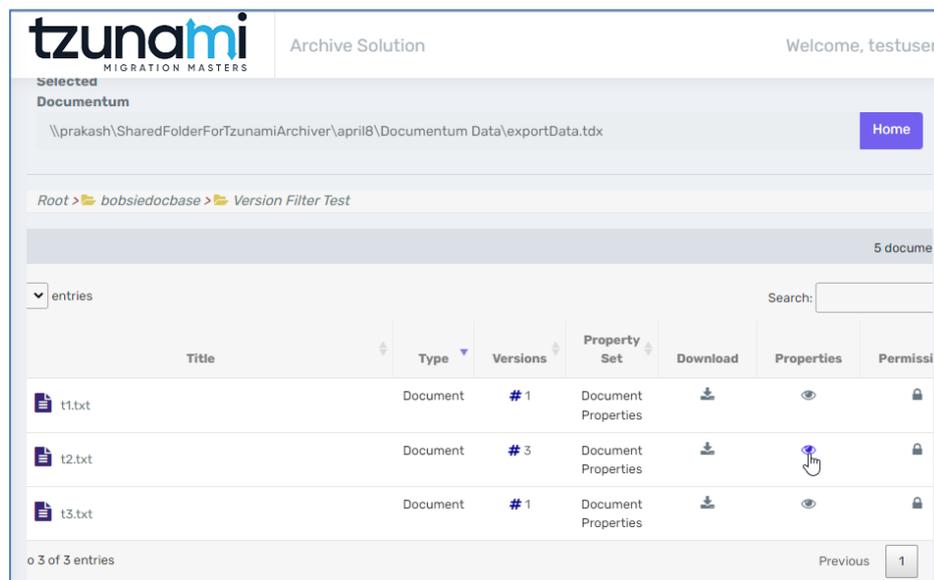


Figure 3-8 View Property

User can click on title of document or data item to view properties whereas clicking on title of folder displays the items under that folder.

### 3.3.2.3 View versions

On right panel, Versions column presents the number of version of Documents or Data Item. Clicking on the version count under Versions column displays the version detail of the item.

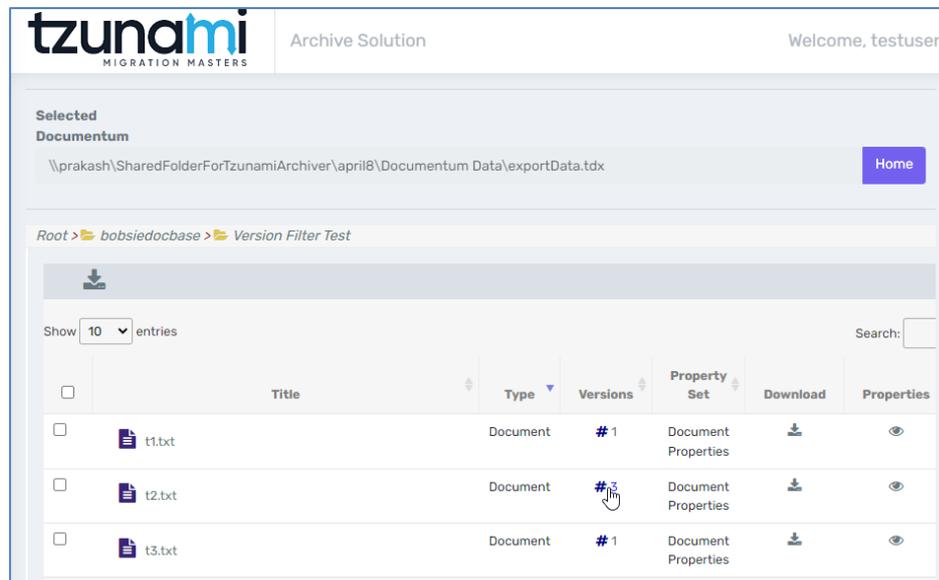


Figure 3-9 View Version

### 3.3.2.4 View permissions

On right panel, Permissions column presents permissions of the Item. Clicking on the permission icon under Permissions column displays the permissions detail of the item.

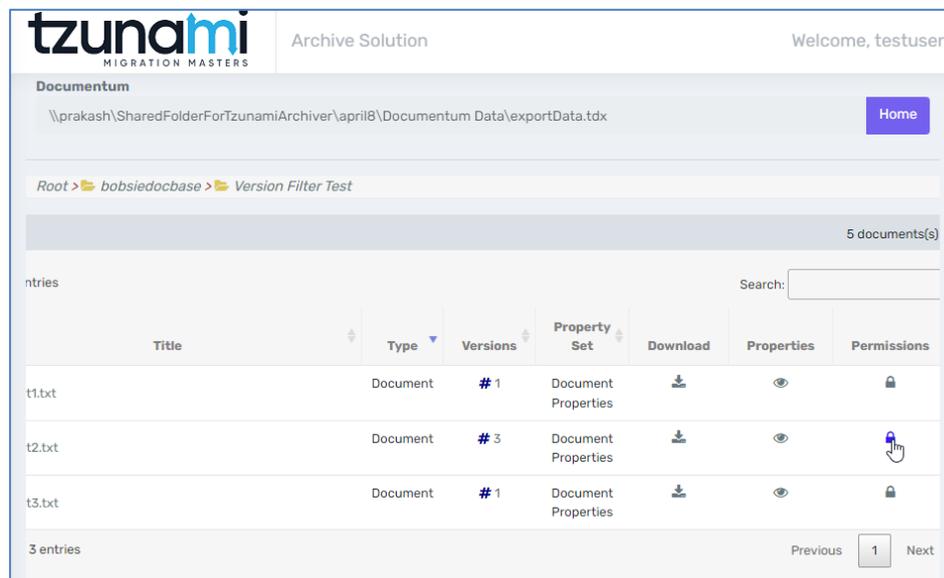


Figure 3-10 View Permission

### 3.3.3 Search Folder

In the left panel, a search bar is provided. User can type the name of the folder to search and filter. The tree view is update while typing on search bar on the go and matched results are displayed on left panel.

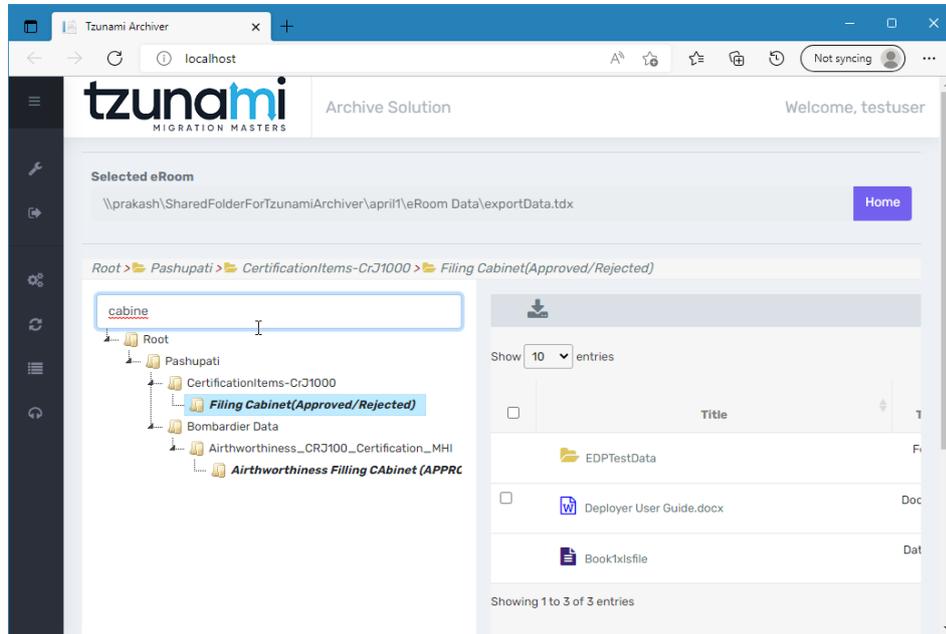


Figure 3-11 Search in Tree View

### 3.3.4 View folder properties

On the left panel, right click on a folder. It shows the options. Click on **Properties** option. The properties of the folder are displayed.

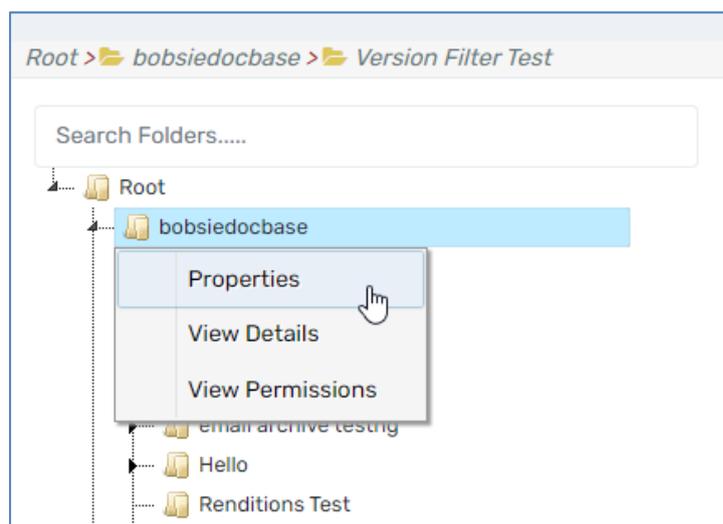


Figure 3-12 View Folder Property

### 3.3.5 View folder details

On the left panel, right click on a folder. It shows the options. Click on **View Details** option. Details of the folder is displayed.

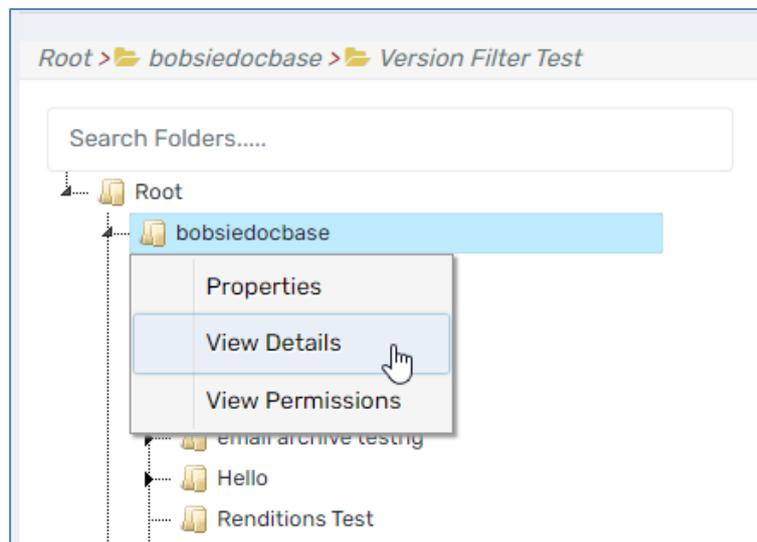


Figure 3-13 View Folder Details

Folder details include the number of documents, number of data items and number of folders under it.

### 3.3.6 View folder permissions

On the left panel, right click on a folder. It shows the options. Click on **View Permissions** option. Permissions of the folder is displayed.

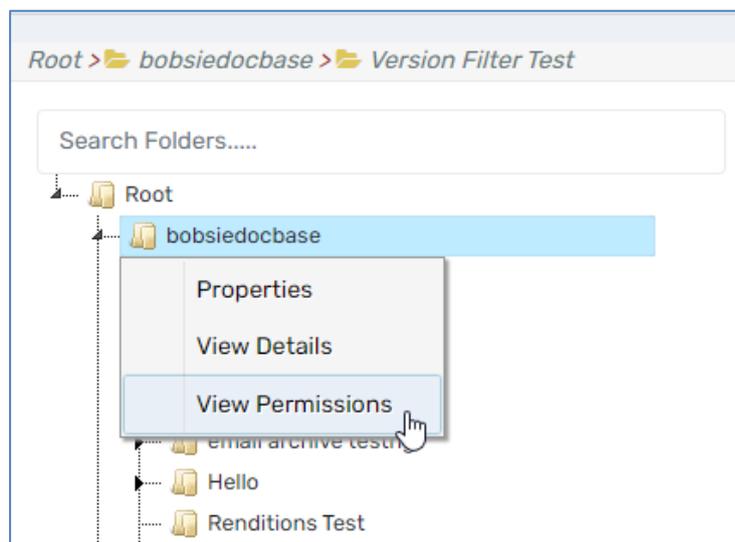


Figure 3-14 View Folder Permission

## 3.4 REFRESH DIRECTORY

The Tsunami Exporter exports content in the folder specified during exporting through Tsunami Exporter. Whenever user update the exported content in the Storage Path, user needs to update the changed in Archiver Solution. The Archiver solution has **Refresh Directory** to update the storage path so that the updated content can be viewed.

Once, you have added the migrated content in storage path folder, perform following steps:

1. Open the Archiver Solution and log in.
2. Go to menu and click on **Refresh Directory**.

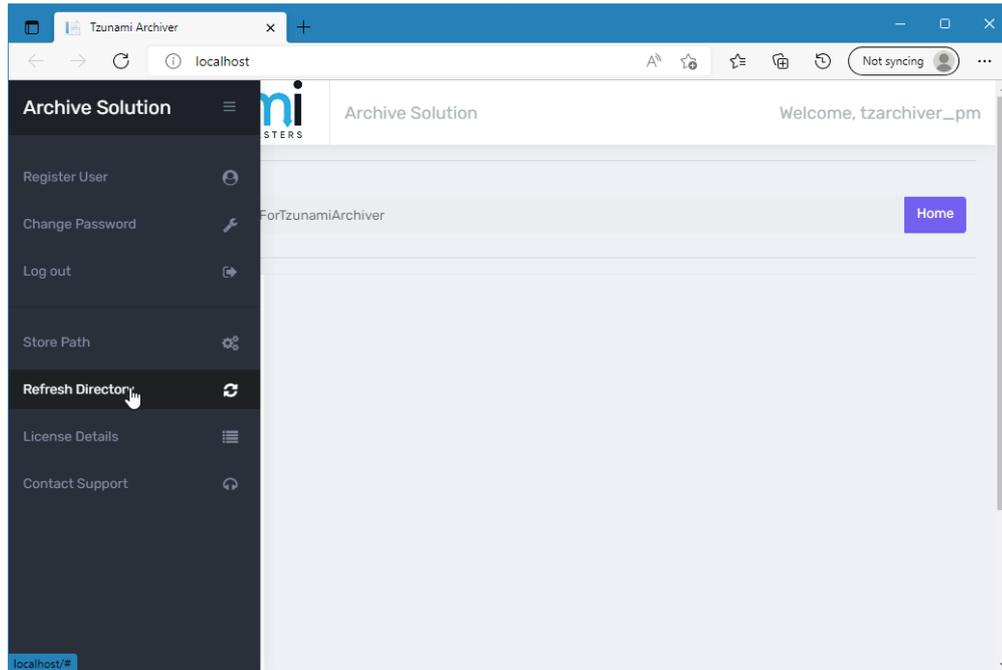


Figure 3-15 Refresh Directory

3. Now, the tree view shows the project folders.
4. When project folder is clicked, the tree view loads the content from that folder in tree view. An arbitrary folder named as Root is displayed on top of the tree view. Under that Root folder, the exported contents are displayed in the hierarchy.

## 3.5 VIEW LOG

The application creates the log file each day.

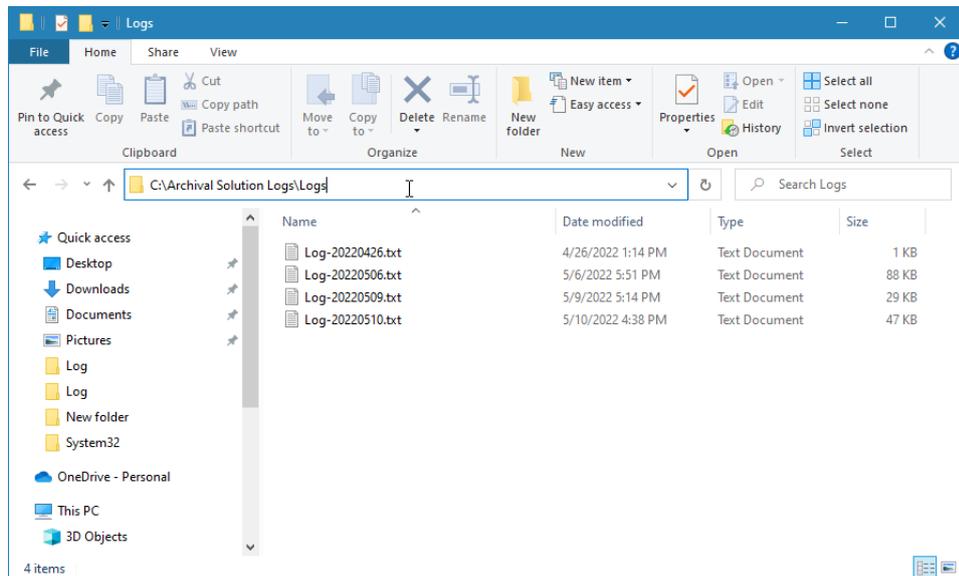


Figure 3-16 View log

The location of log folder is **C:\Archival Solution Logs\Log**

Under this folder, a log file is created. Users may need to share the log file to Tsunami Support team in case of any error occurred in the application.

## 4 COPYRIGHT AND TRADEMARK

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For further information, you can contact Tsunami Inc. at:

Tsunami Inc.

601 108th Avenue, NE

Suite 1900

Bellevue, WA 98004, USA

Email: [sales@tsunami.com](mailto:sales@tsunami.com), [support@tsunami.com](mailto:support@tsunami.com)

Web: <http://www.tsunami.com>