TRUE Connector

UI Application User Manual

Contents

Introduction

Welcome to the TRUE Connector UI Application User Manual. This document is designed to help you navigate and utilize the TRUE Connector UI effectively. Developed by Engineering, a leading digital transformation company in Italy, the TRUE Connector UI is a frontend application within the TRUE Connector suite. It facilitates self-determined data sharing within the International Data Space (IDS) ecosystem, ensuring compliance with regulations such as GDPR.

In this manual, you will find detailed explanations and screenshots of the user interface, covering key features such as Self-Description Management, Policies Management, and Contract Negotiation. Whether you are managing self-descriptions, viewing and deleting usage policies, or engaging in contract negotiations, this guide will provide the necessary information to use the application efficiently.

Let's get started and explore how the TRUE Connector UI can enhance your data sharing capabilities.

Login Screen

Upon opening the TRUE Connector UI, you are presented with two login options:

- Provider Login: As a provider, you can handle Self Description Management, Policies Management, have overview of configuration overview. The credentials for the provider are defined during the ECC configuration in the ***users.properties*** file.
- Consumer Login: As a consumer, you can communicate with other connectors to consume data and engage in contract negotiations. The credentials for the consumer are defined in the DataApp configuration in the ***users.properties*** file.
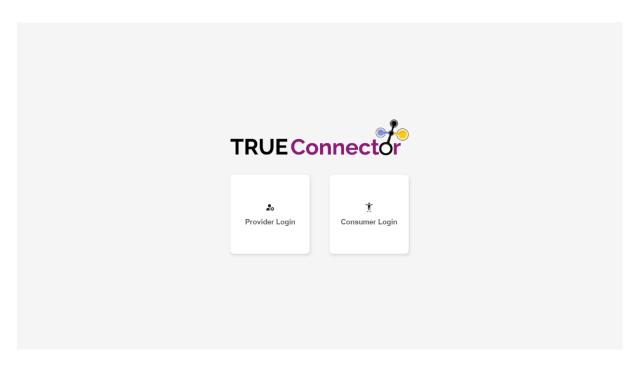

Figure 1. Welcome screen of TRUE Connector UI

Account Switching

After successful login with any of the accounts, users can easily switch between accounts by clicking on the Account icon located in the upper right corner of the screen. This will display details about the currently logged-in user and provide an option to log in as a different user. For instance, if you are logged in as a provider, you will have the option to log in as a consumer, and vice versa. Once logged in with both accounts, a new option for switching between the provider and consumer dashboards will be available in this dropdown menu. Additionally, the dropdown also includes an option for logging out of the application.

Figure 2. User logged in as Provider with an option for logging in as consumer

Figure 3. User logged as both roles, with an option for switching dashboards

Provider Dashboard

After logging in as a provider, you will be directed to the Provider Dashboard.

Features available Provider dashboard are divided into 3 sections:

- Self-Description management
- Policies management
- Connector Configuration details

Self-Description Management

The Self-Description Management section allows providers to manage the detailed metadata of their connector. This metadata, known as the self-description, is essential for defining the connector's identity, capabilities, and the resources it offers within the IDS ecosystem.

Get Self-Description data

The "Get Self-Description Data" section provides an overview of all relevant information about the connector. This includes comprehensive metadata that defines the connector's identity and capabilities, as well as detailed information about the resources it offers.
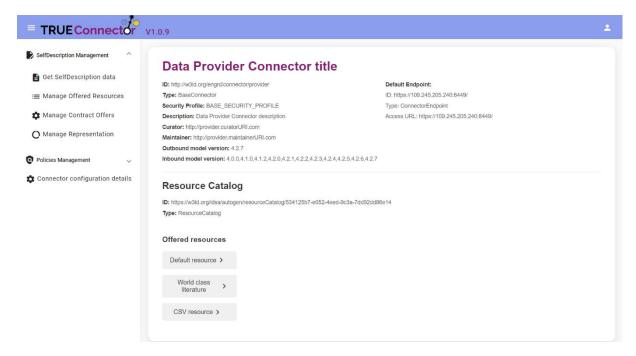

Figure 4. Provider dashboard: Self-description data details

From this section, providers can directly navigate to the desired resource by clicking on its name. This action will redirect them to the Offered Resource Details page, where they can view and manage the specific details of that resource.

Offered Resource Details

This section provides a comprehensive overview of selected resource offered by the connector. In this section, providers can find detailed information about the offered resource.

Key Information Available:

- Resource Details: Detailed information such are ID, type, description and other related attributes
- Contract Offers: Information about the contract offers under which the resource is offered.
- Representations: Specific instances of the offered resource, providing technical details on how the resource can be accessed and utilized.
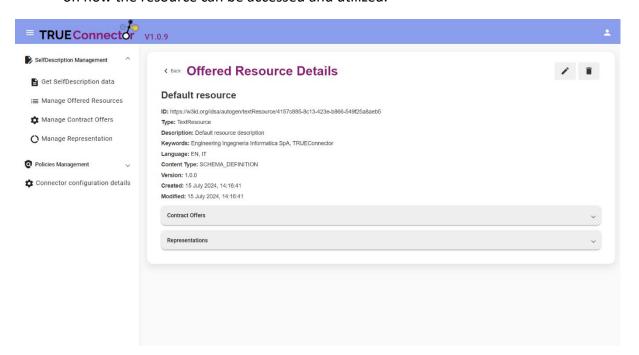

Figure 5. Provider dashboard: Offered resource details

To view more information about contract offers or representations, providers can use the respective dropdowns:

- Contract Offers Dropdown: Click on the dropdown to expand and view a list of contract offers associated with the resource. To view more detailed information about a specific contract offer, click on the eye icon next to the offer.

- Representations Dropdown: Click on the dropdown to expand and view a list of representations for the resource. To view more detailed information about a specific representation, click on the eye icon next to the representation.
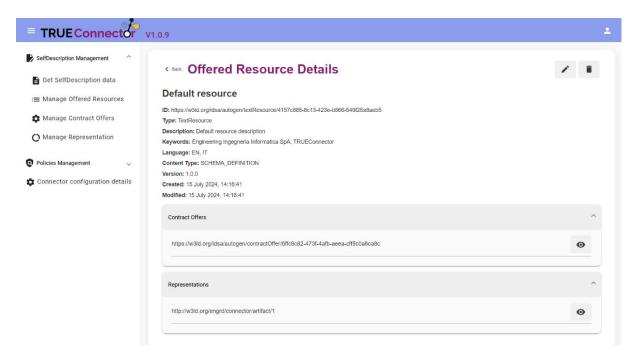

Figure 6. Provider dashboard: Offered resource details with contract offers and representation details

Contract Offer Details

This section provides a detailed overview of selected contract offer associated with an offered resource, including information such as its name, description, creation date, and more. Additionally, the provider can find detailed information about permissions by clicking on permissions dropdown, which includes details such as ID, type, action, title, description, and target of permissions associated with chosen contract offer.
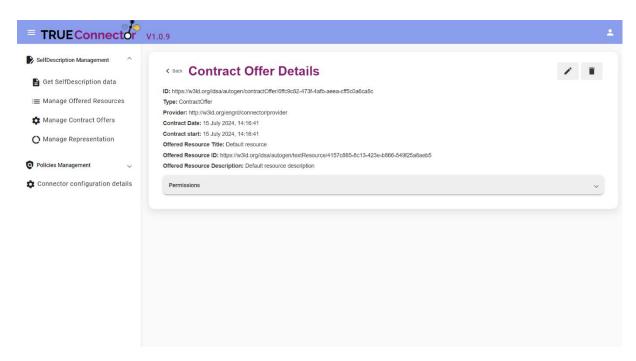

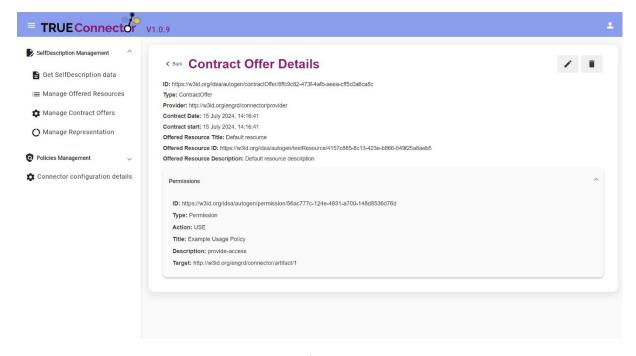Figure 7. Provider dashboard: Contract offer details

Figure 8. Provider dashboard: Contract offer details with expanded permissions details

Representation details

This section provides comprehensive information about selected representation associated with an offered resource. Providers can find detailed information about the representation, including its type, language, creation date, title, and the resource it is connected to alongside with the instances details. To find more detailed information about specific instances of the representation, providers can click on the dropdown. This will reveal additional information about each instance, including ID, type, checksum and created date.
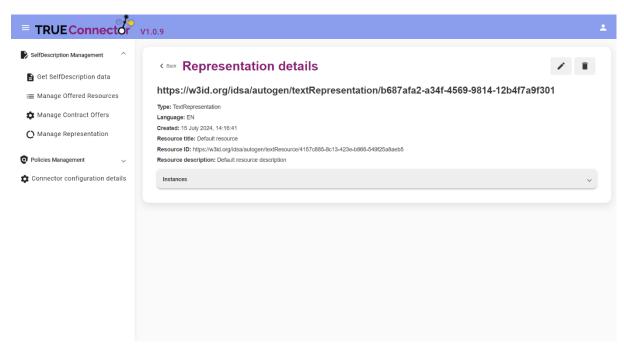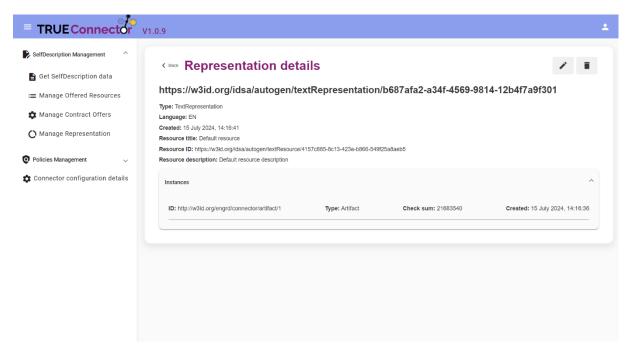

Figure 9. Provider dashboard: Representation details

Figure 10. Provider dashboard: Representation details with expanded instances details

Manage Offered Resources

This section allows providers to see overview of all their offered resources. This includes information such as the name, type, description, created date, last modified date, and the number of contract offers and representations associated with each resource. By clicking on the eye icon, users can access more detailed information about a specific offered resource.
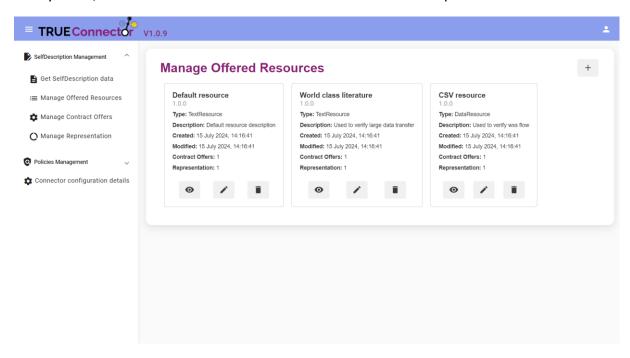

Figure 11. Provider dashboard: Manage offered resources

Manage Contract Offers

This section allows providers to see overview of all their contract offers, including details about the resources to which they are associated. By clicking on the eye icon, users can access detailed information about each specific contract offer.
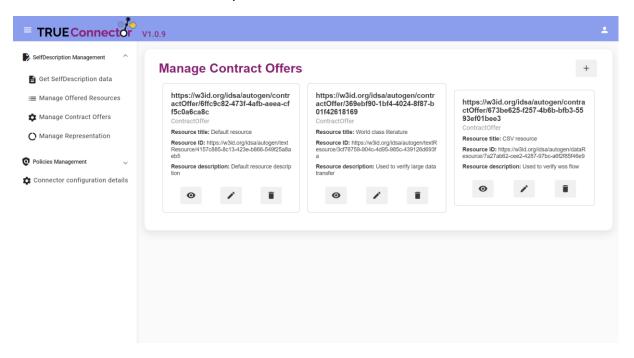

Figure 12. Provider dashboard: Manage contract offers

Manage Representations

This section allows providers to see overview of all representations, including the ID, language, creation date, and information about the associated resource and instances. For more detailed information about specific instances, users can click on the dropdown to reveal additional details.
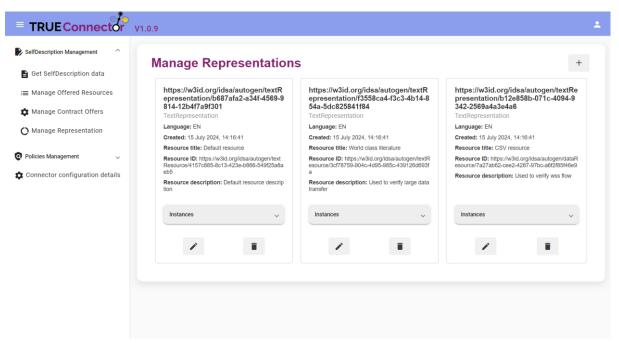

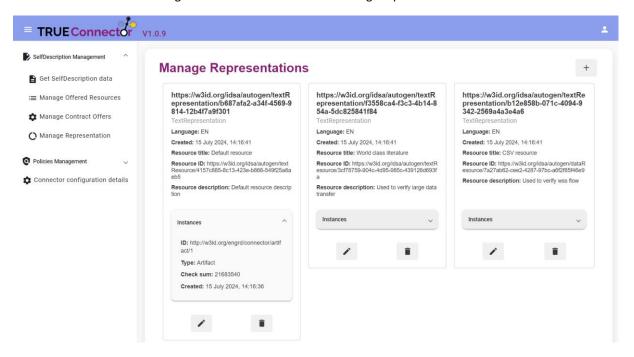Figure 13. Provider dashboard: Manage representation

Figure 14. Provider dashboard: Manage representation with expanded instances details

Connector configuration details

In this section, providers can view all relevant information previously configured in the ECC, DataApp, and UCApp. This includes settings and parameters essential for the proper functioning and integration of the connector within the IDS ecosystem.
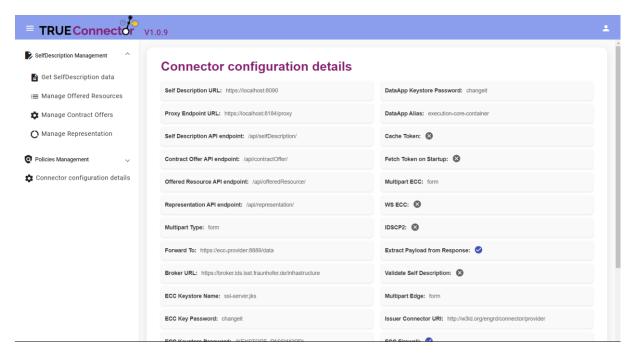

Figure 15. Provider dashboard: Connector configuration details

Consumer Dashboard

After logging in as a consumer, a Description Request message will be sent to the previously defined connector to fetch its self-description data. In the "Get Artifact" section, all available artifacts will be displayed along with relevant information such as ID, type, checksum, language, and resource details including title, ID, and description. To download an artifact, simply click on the download button, after which Artifact Request Message will be sent, and the popup for saving downloaded file will be displayed.
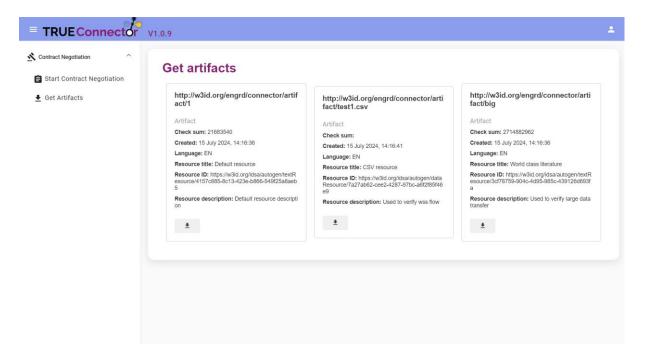

Figure 16. Consumer dashboard: Get artifacts