



Unstructured Data Scan User Guide

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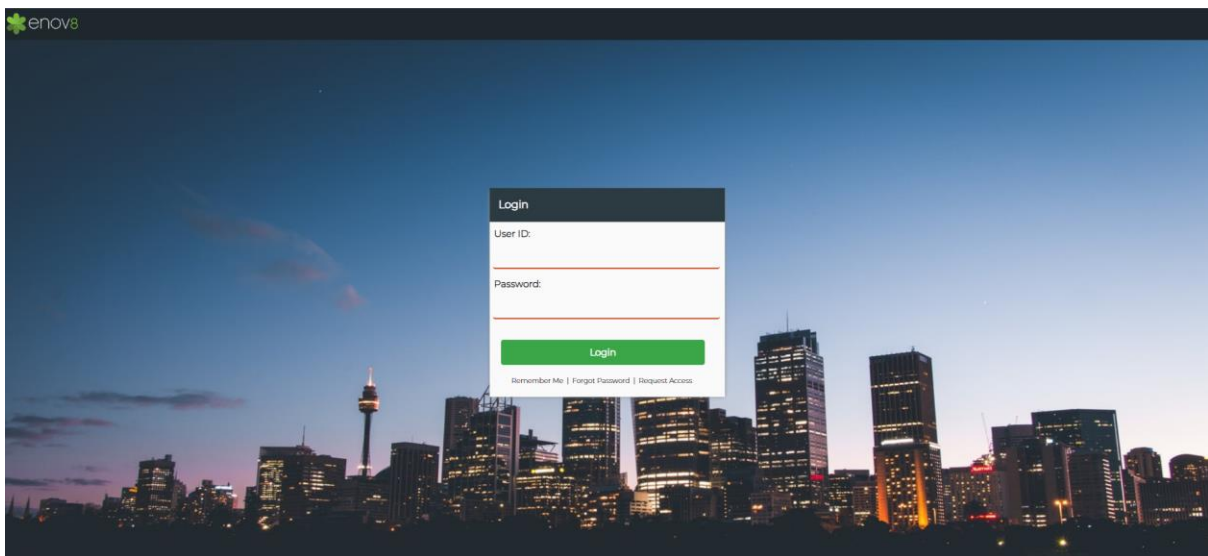
Platform Overview

The Enov8 Unstructured Data Scan (UDS) solution identifies Personally Identifiable Information (PII) risks within Unstructured data sources such as Atlassian Jira and Confluence. This ensures that any compliance risks from users storing sensitive information in these products are identified quickly for remediation.

Login

Each user will be provided with a username and password to log into the UDS solution.

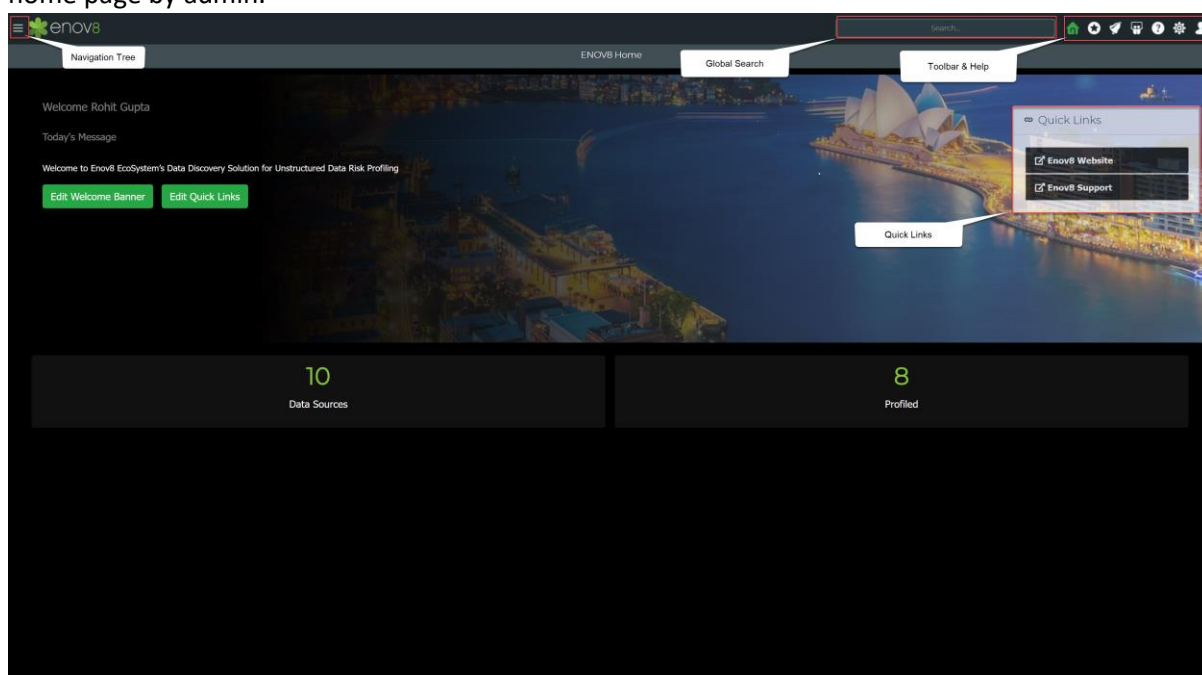
Contact the System Administrator in your organisation for access or contact support@enov8.com if you're unsure of who your System Administrator is.



General Navigation

Once Logged in you will be presented with the Landing Page in the main section as well as the following areas.

1. **Navigation Tree** – Menu for Navigating between the various Dashboards, Reports and Management areas within the solution modules.
2. **Global Search**– For searching for all occurrences of a certain string. E.g. Database.
3. **Toolbar & Help** – For accessing various user and administrative functions including Help documentation for the solution.
4. **Quick Links** – Third Party links to access quickly. These can be edited by Edit Button on the home page by admin.

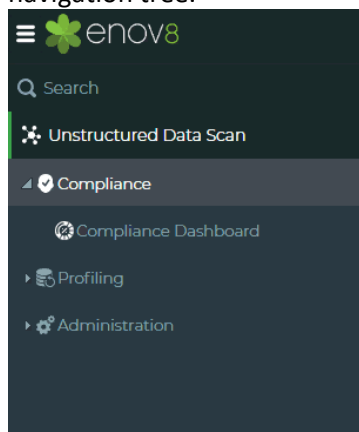


Navigation Tree

By clicking on the navigation icon in the top left icon, the navigation tree will be expanded.

From here you can Search for any functionality that matches a certain string e.g., “Compliance”.

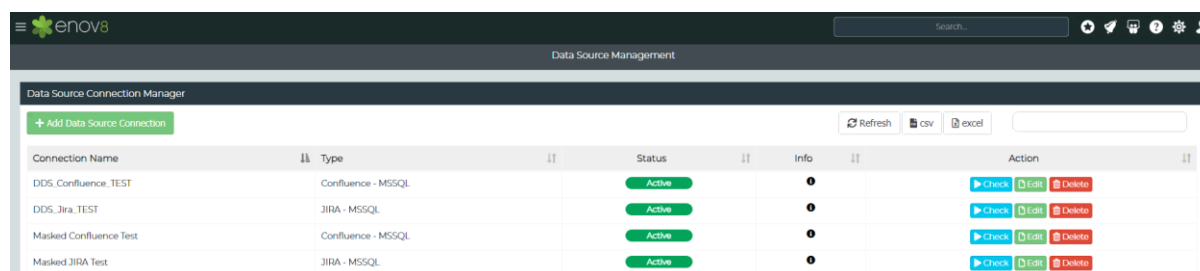
You can also open any of the Dashboards, Reports or Management screens by selecting them in the navigation tree.



Note: Certain modules or functionality may be disabled for your organisation or user role.

Connecting to your Data Sources

Navigate to Administration > Data Source Management from here you can Add, Edit, Delete or Check/test a data source connection.



Adding a Connection

Click the Add Data Source Connection button. This will present a popup form allowing you to choose your Data Source Type and fill in associated details.

The example below is for MSSQL but will differ depending on the data source type you choose.

- **Source Type:** Database or File type (e.g. Oracle, MSSQL, Delimited File, etc)
- **Connection Name:** The name you want to provide the data source connection.
- **Assigned To:** The EcoSystem User Group that will have permissions on this connection.
- **Notification:** List of users who will be notified.
- **Agent:** The optional worker bee agent that will be managing this connection.
- **Server:** The database IP Address or Hostname.
- **Username:** The database username.
- **Password:** The database password.
- **Database:** The database name.
- **Port:** The port the database is running on.
- **Schema:** The database schema you want to connect to.
- **Scan Attachments: Scope of Scan**

Note: Please ensure that details are correctly inputted as they are case sensitive.

Data Source Connection ✕

Summary	Connection Details
Source Type* <input type="text" value="IIRA - MSSQL"/>	Server* <input type="text"/>
Connection Name* <input type="text" value="Connection Name"/>	Username <input type="text"/>
Assigned To* <input type="text" value="Data Team ✕"/>	Password <input type="text"/>
Notification <input type="text" value="Select Group or User"/>	Database* <input type="text"/>
Agent <input type="text"/>	Port* <input type="text"/>
	Schema* <input type="text"/>
	Scan Attachments?* <input type="text" value="Content only"/>
	Retrieve Type <input type="text" value="NFS"/>
	Limit <input type="text"/>
	Path <input type="text"/>
	API Username <input type="text"/>
	API Password <input type="text"/>

You can then optionally click Check Connection to validate the details are correct and/or Save.

Editing a Connection

Click the Edit button to edit the Data Source. This will pop up a similar form to the Add form but with existing details available for viewing/editing.

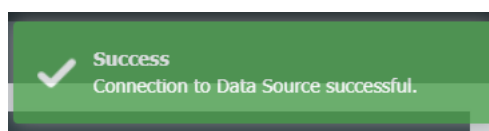
Deleting a Connection

Click the Delete button to edit the Data Source. A popup will be presented to confirm deletion.

Check/Test Connection

Click the Check Connection button to confirm/test that connectivity to the database or file can be achieved via the details provided and/or the database or file is accessible.

A green success message will be displayed if connection was successful or a red error message if it was not.



Note: If connection fails the details entered in the form may be correct but the database may be shut down or inaccessible preventing connectivity.

Profiling

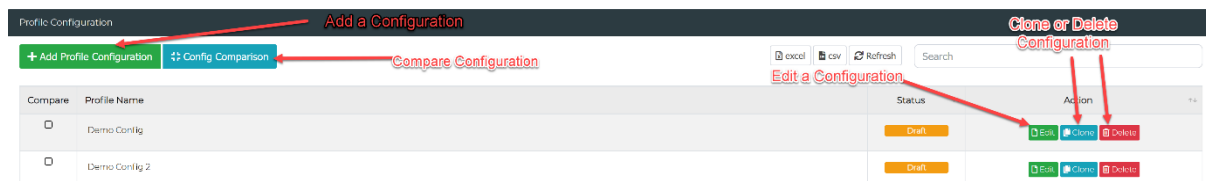
Overview of Profiling

Profiling scans the data source and determines if data that matches the configurable patterns is found.

Profile Configurations

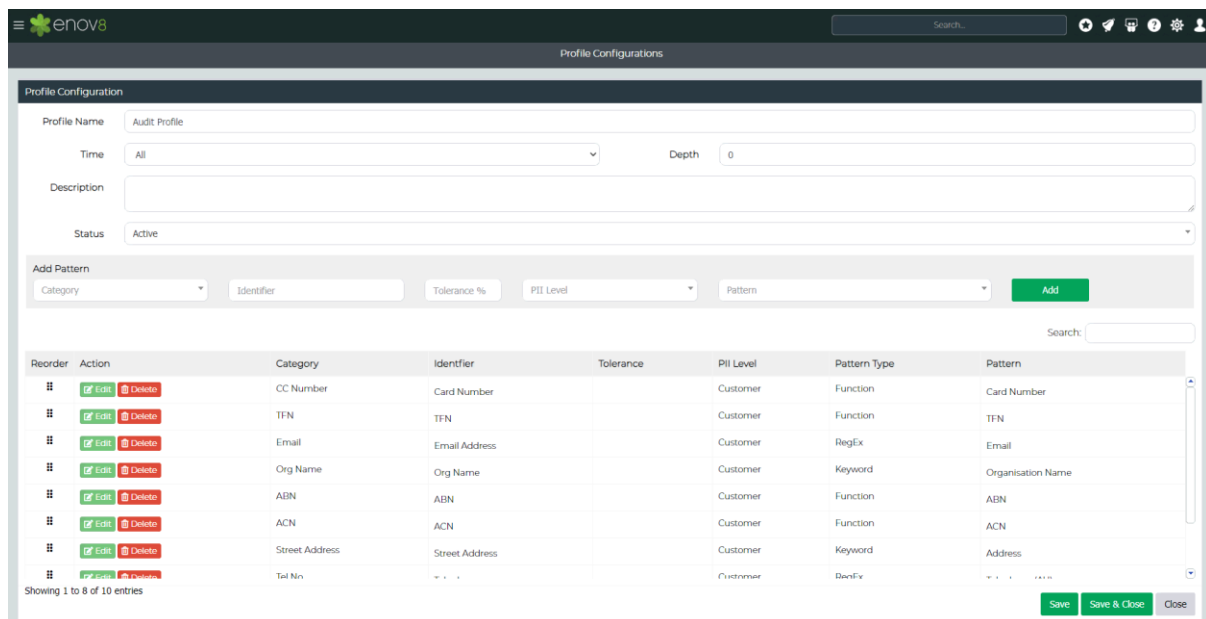
The rulesets and patterns scanned as part of the profiling process are defined in Profile Configurations.

Navigate to Profiling > Profiling Configurations here you can Add, Edit, Clone or Delete a Profile Configuration.



Adding a Profile Configuration

Click the Add Profile Configuration button. This will present a new Profile Configuration form for adding the following information.



On the Profile Configuration form, you can edit the following configuration information.

- **Profile Name:** The profile configuration name.
- **Time:** “All” is for scanning all records. “Last 24 hrs” scans records that have been created or modified in the last 24 hours
- **Depth:** The amount of maximum records to search. By default this is set to zero for unlimited.
- **Description:** The profile configuration description or long name.
- **Status:** Set the profile to Active for use or Draft/Inactive to hide it from the Profile Execution area

Add/Edit Pattern(s) section: -

- **Category:** The pattern category. (This filters the results visible in the Pattern drop list).
- **Identifier:** Pattern Name used in the profile config.

- **PII Level:** Sets the pattern as Customer PII, Employee PII or Other.
- **Pattern:** The pattern type as defined in the Data Library Administration area.

Once complete, scroll to the bottom of the main window and click Save to Save the Profile or Close to Cancel out without saving.

Editing a Profile Configuration

Click the Edit Profile Connection button on the Profile Configuration you want to edit. This will present the Profile Configuration form for modification.

Once complete, scroll to the bottom of the main window and click Save to Save the configuration or Close to Cancel out without saving.

Cloning a Profile Configuration

Click the Clone Profile Connection button on the Profile Configuration you want to duplicate. This will present the Profile Configuration form with a duplication of all data for saving as a new Profile Configuration.

Once complete, scroll to the bottom of the main window and click Save to Save the configuration or Close to Cancel out without saving.

Deleting a Profile Configuration

Click the Delete Profile Connection button on the Profile Configuration you want to remove. This will present a confirmation window confirming that you want to delete the Profile Configuration or not.

Comparing Profile Configurations

Tick on the check boxes in front of the two configurations which you want to compare and then press the Config Comparison button to view the comparison report. The text highlighted in red marks the differences in the two configurations.

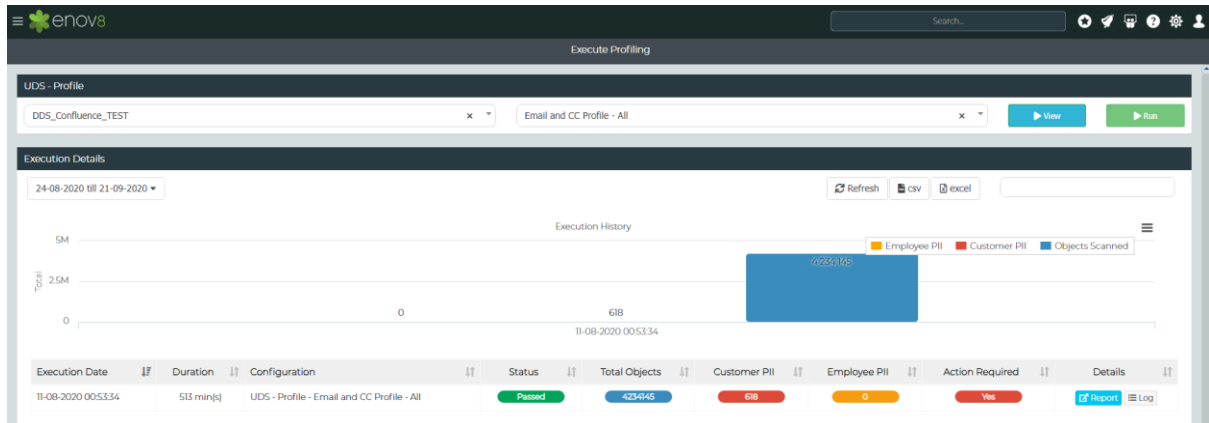
Configuration Comparison
✕

<pre> { "variables": { "depth": "10", "tolerance": "1", "includedtables": "", "excludedtables": "", "meta": null }, "patterns": [{ "category": "Firstname", "identifier": "Firstname", "tolerance": "10", "level": "Employee", "type": "Keyword", "pattern": "Q0hSSVNUT18IRVJ8RE90QxEFepFTk5JRkV5FE1JQ0hFTEV8S0FUSFk=", "Blacklist": "" }, { "category": "Email", "identifier": "Email", "tolerance": "10", "level": "Customer", "type": "Regex", "pattern": "l15bX2EtejAt0S1dKyhcl1tFYs16MC05LV0rKSpAW2EtejAt0S1dKyhcl1thLXowlTktXSj" "Blacklist": "" }] } </pre>	<pre> { "variables": { "depth": "100", "tolerance": "1", "includedtables": "", "excludedtables": "", "meta": null }, "patterns": [{ "category": "Fullname", "identifier": "Name", "tolerance": "10", "level": "Customer", "type": "Keyword", "pattern": "UEVURVIGU3xKIFNNSVRIFepPSE4gfCBCuk9XTnxEQVZJRCa=", "Blacklist": "" }, { "category": "Email", "identifier": "Email", "tolerance": "10", "level": "Employee", "type": "Regex", "pattern": "l15bX2EtejAt0S1dKyhcl1tFYs16MC05LV0rKSpAW2EtejAt0S1dKyhcl1thLXowlTktXSj" "Blacklist": "" }] } </pre>
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Execute Profiling

Navigate to **Profiling > Execute Profiling** here you can select a Profile Configuration for execution against a Data Source. This will run the data profiling based on the configuration defined in the Profile Configuration.

Once selected press the Run Button to run the Profiling.



Currently running Profiles can be checked via the Log button.

On Profile completion click the Report button to view/download the report.

Note: If the report is larger than 10MB it will be downloaded as a .csv file instead of displaying within the web browser.

Data Library

Overview of Data Configuration Library

The Data Library is where all Data Pattern objects are kept which are utilised within the UDS Profile configurations.

You can access the Data Library via **Administration > Config Library Management**

Note: Out of the box data library objects are view only.

Profiling

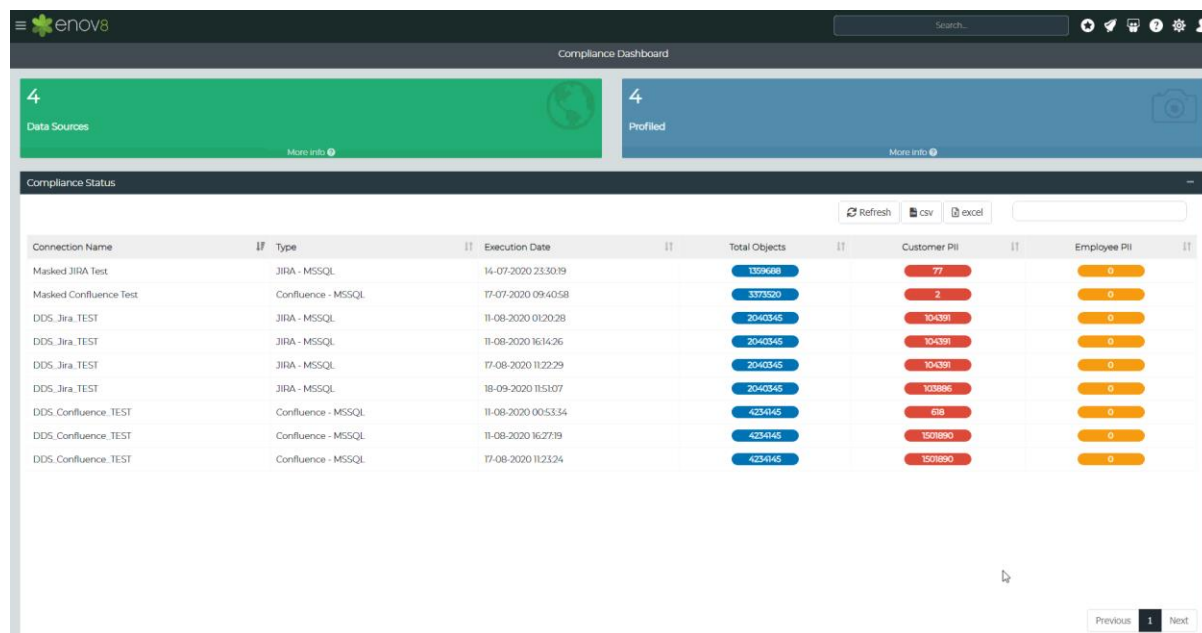
Profiling pattern objects are utilised to identify data content (Data Records) based on three different pattern types

- **Keyword:** Uses a list of keywords separated by a pipe (“|”) to identify data records that matches the keywords. (e.g. SMITH|WILLIAMS|MOORE|ZHANG|MACDONALD)
- **RegEx:** Identifies data rows that match a regular expression.
- **Function:** Identifies data rows that match a php function.

Dashboards

Compliance Dashboard

Compliance Dashboard provides an overall view of each profile execution including total records (Objects) and how many matches of Customer and Employee PII were found.



The screenshot shows the 'Compliance Dashboard' interface. At the top, there are two summary cards: 'Data Sources' with a count of 4 and 'Profiled' with a count of 4. Below these is a 'Compliance Status' section with a table of profile execution results. The table has columns for Connection Name, Type, Execution Date, Total Objects, Customer PII, and Employee PII. Each cell in the Total Objects, Customer PII, and Employee PII columns contains a colored pill with a number. The table also includes a 'Refresh' button and 'csv' and 'excel' download options. At the bottom right, there are 'Previous' and 'Next' navigation buttons.

Connection Name	Type	Execution Date	Total Objects	Customer PII	Employee PII
Masked JIRA Test	JIRA - MSSQL	14-07-2020 23:30:19	1359608	77	0
Masked Confluence Test	Confluence - MSSQL	17-07-2020 09:40:58	337320	2	0
DDS_Jira_TEST	JIRA - MSSQL	11-08-2020 01:20:28	2040345	104391	0
DDS_Jira_TEST	JIRA - MSSQL	11-08-2020 16:14:26	2040345	104391	0
DDS_Jira_TEST	JIRA - MSSQL	17-08-2020 11:22:29	2040345	104391	0
DDS_Jira_TEST	JIRA - MSSQL	18-09-2020 11:51:07	2040345	103886	0
DDS_Confluence_TEST	Confluence - MSSQL	11-08-2020 00:53:34	425145	618	0
DDS_Confluence_TEST	Confluence - MSSQL	11-08-2020 16:27:19	425145	1501990	0
DDS_Confluence_TEST	Confluence - MSSQL	17-08-2020 11:23:24	425145	1501990	0

Frequently Asked Questions

Q1. Not able to run a profile due to a version error.

Please check the version/build version of your connection is correct in the Data Source Connection.