

OVERVIEW

This document explains how to reproduce specific use cases in the Inventa demo environment.

ABOUT INVENTA DEMO ENVIRONMENT

The Inventa demo environment was created by Itouch.io to present the main modules of the Inventa platform and their capabilities. It allows users to navigate through screens within each application, follow all workflows, click all available buttons and icons, open popups, and make modifications in forms.

Things to remember about the demo environment:

- **You will not damage it.** It is read-only and for display purposes only.
- **You cannot make changes to it.** It is not a functional environment. For example, you cannot create or delete entries, meaning that you can reproduce all steps to create a DSR ticket, but it will not be sent by email.
- **The data is not all consistent.** Some data, links, filters, vendors, protocols, etc. are either non-functional or link to data that may not be related. This is expected for this environment and does not reflect how an operational environment would work.
- **Make sure you check what you want to show.** Filters, searches, etc. are static. Ensure the narrative of what you are presenting is consistent with the results received. For example, search results are static for any search parameters you enter. When you select any name on the **Data Subject Search** page, like Sofie Hubert, the system opens the John Smith profile. Thus, any demo use cases presentations should account for these static outcomes.



Full capabilities of the Inventa platform are available in the Inventa sandbox environment or POC environment.

DEMO USE CASES

The table below describes the use cases and workflows you can reproduce in the Inventa demo environment.

Table 1: Use cases

| USE CASE | MODULE | DESCRIPTION |
|--|---------------------------|--|
| <u>Network topology discovery and analysis</u> | Data Security>Network Map | Visualization of your network topology - communication nodes discovered by the analytic appliances, links between the nodes, and metadata. |

| USE CASE | MODULE | DESCRIPTION |
|---|---|---|
| | | See the Network Mapping page on the demo website. |
| Data training - Supervised AI | Supervised AI>Data Training | Train Inventia to recognize virtual views and false-positives. See the Supervised AI page on the demo website. |
| Data source catalog | Inventory>Data Source Catalog | Browse the data source catalog and create scheduled operations. See the Data Source Catalog page on the demo website. |
| Data asset creation and management | Settings>Data Asset Manager, Business Context>Data Asset | Data asset creation, overview, and detailed analysis. See the Data Asset Management page and Data Assets page on the demo website. |
| Discovery and classification search | Data Security> Discovery & Classification Search | Browse structured data sources based on the classified sensitive data and generate a report. See the Discovery and Classification Search page on the demo website. |
| Data subject search | Data Privacy>Data Subject Search | Investigate a data leakage, browse personal data, and find affected data subjects with an option to export the search results. See the Data Subject Search page on the demo website. |
| Advanced search | Data Privacy>Advanced Search | Use the advanced search tool to search data sources, investigate their PCI compliance, and find files with a large number of personal information instances with an option to export the search results. See the Advanced Search page on the demo website. |
| DSR ticketing | Settings>Data Subject Request (DSR), | Configure and send an automatic response to a DSR request. |

| USE CASE | MODULE | DESCRIPTION |
|--|--|---|
| | Data Privacy>Data Subject Search | See the Data Subject Request (DSR) page and Data Subject Search page on the demo website. |
| Classifier Configuration for Discovery and Classification Search | Settings>Document Classification Configuration, Data Security>Discovery & Classification Search | Configure three types of classifiers and use them as search parameters. See the Document Classification Configuration page and Discovery and Classification Search page on the demo website. |
| Data protection dashboards | Data Security>Data Protection Dashboard | Explore the information presented on the data protection dashboards. See the Data Protection Dashboards page on the demo website. |
| Attack surface reduction dashboard | Data Security>Attack Surface Reduction | Explore the information presented on the attach surface reduction dashboard. See the Attack Surface Reduction page on the demo website. |
| Improve quality of data recognition by editing data elements | Settings>Data Recognition>Data Elements Configuration | Improve the data recognition process by adding new keywords to a data element. See the Data Elements Configuration page on the demo website. |

NETWORK TOPOLOGY DISCOVERY AND ANALYSIS

The **Network Mapping** application displays the topology of your organization's network. See the [Network Mapping page](#) on the demo website.

The network map shows: the communication nodes (databases, file systems, and other network elements as PCs) discovered by the analytical appliances, links between the nodes, and the node type like database, central storage, web application, and others.

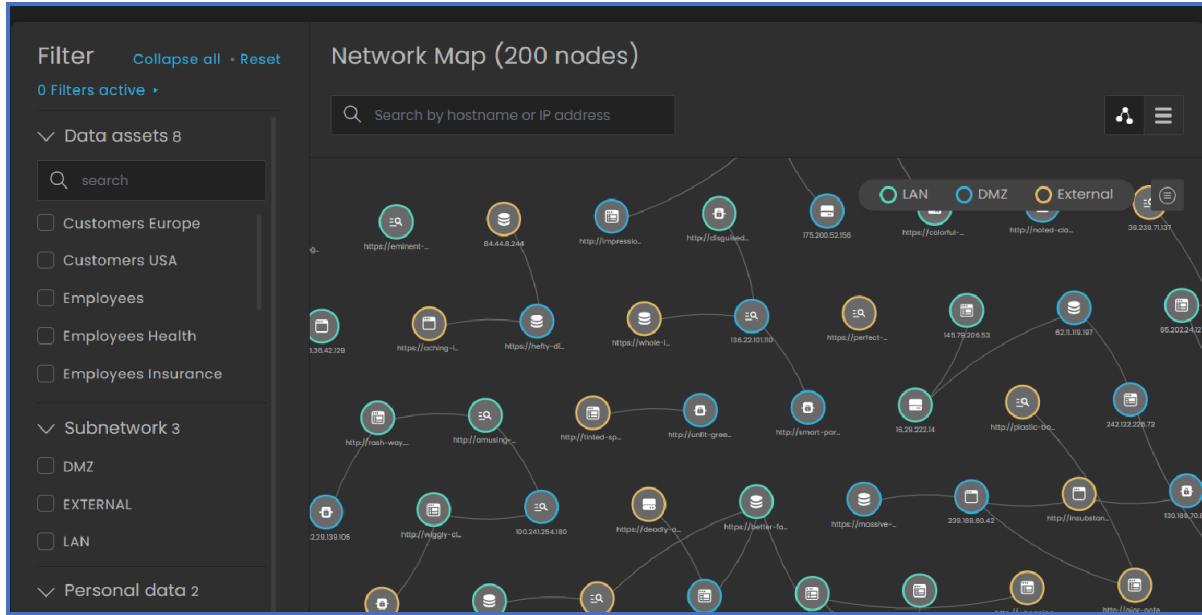


Figure 1: Network Mapping page

1. Review the communication nodes on the network map (200 by default). The list of icons and their descriptions can be found in [Appendix A](#). Use the navigation panel to zoom in or out and enter or exit the fullscreen mode.

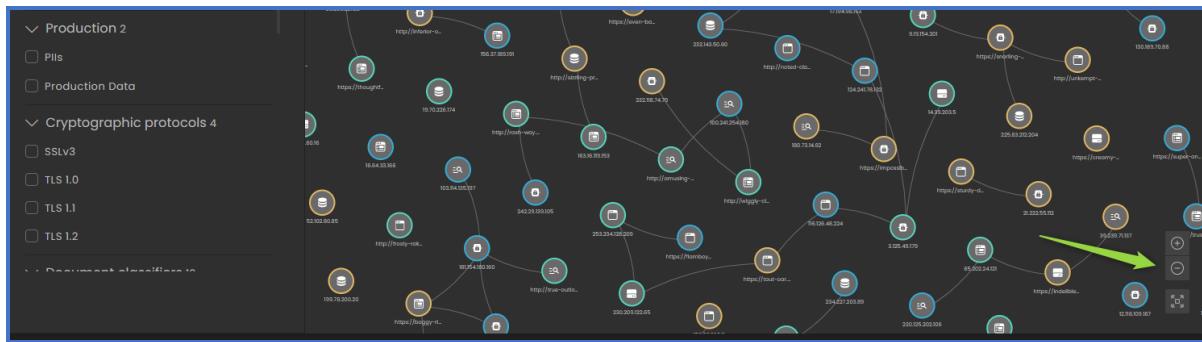


Figure 2: View controls

2. Explore the display filters on the left sidebar (data assets, subnetwork, personal data, production, cryptographic protocols, document classifiers, appliance).

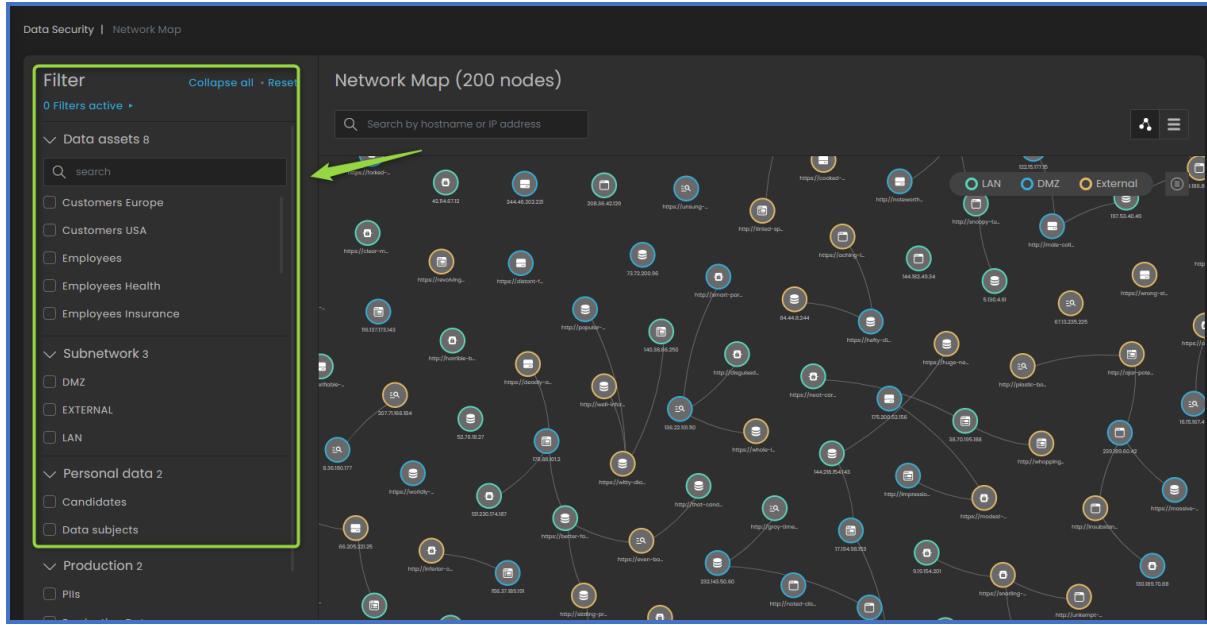


Figure 3: Network map display filters

See the supported protocols in the table below.

Table 4: Supported Products - Network Mapping

| PROTOCOL | PRODUCT | DATA SOURCE TYPE |
|--------------------|-----------------------|-------------------|
| TNS | Oracle Database | Database |
| SMB/SMB2 | General-CIFS/SMB | Central Storage |
| PGSQL | PostgreSQL | Database |
| TDS | Microsoft SQL Server | Database |
| MYSQL | MySQL Database Server | Database |
| HTTP | General-HTTP | Web Service |
| HTTP | Couchbase Server | Database |
| HTTP | Apache Solr | Enterprise Search |
| HTTP | Microsoft Dynamics | CRM |
| HTTP | Percona XtraDB | Database Engine |
| COUCHBASE | Couchbase Server | Database |
| CQL | Apache Cassandra | Database |
| TLS | TLS | Encrypted Traffic |
| SMTP | General-SMTP | SMTP |
| KAFKA | Apache Kafka | Stream Processing |
| DRDA | IBM DB2 | Database |
| NFS v.2,3,4 | NFS General | Central Storage |
| MARIADB | MariaDB | Database |
| MONGO | MongoDB | Database |
| FTP | FTP | Central Storage |

| PROTOCOL | PRODUCT | DATA SOURCE TYPE |
|-----------------|----------------------|-------------------|
| OneDrive | One Drive/Sharepoint | Encrypted Traffic |
| ICAP | HTTP | Web Service |

SUPERVISED AI

The **Supervised AI** tool visualizes the possible sources of personal data (candidate virtual views) and assists in training the system to accept or reject candidates as trusted data.

The **Supervised AI landing page** (see the [page](#) on the demo website) shows the results of automatic database analysis within the organizational network and assists in selecting data to be trained for improved subsequent discovery activities. The page consists of two parts: the main window with groups of candidate virtual views (bubbles) and the sidebar with filters for sorting the presented data.



Figure 1: Landing page

1. Review the candidate virtual views, explore the **Filters** panel on the left that allows for data sorting based on candidate group size, products, and analytic engine name.

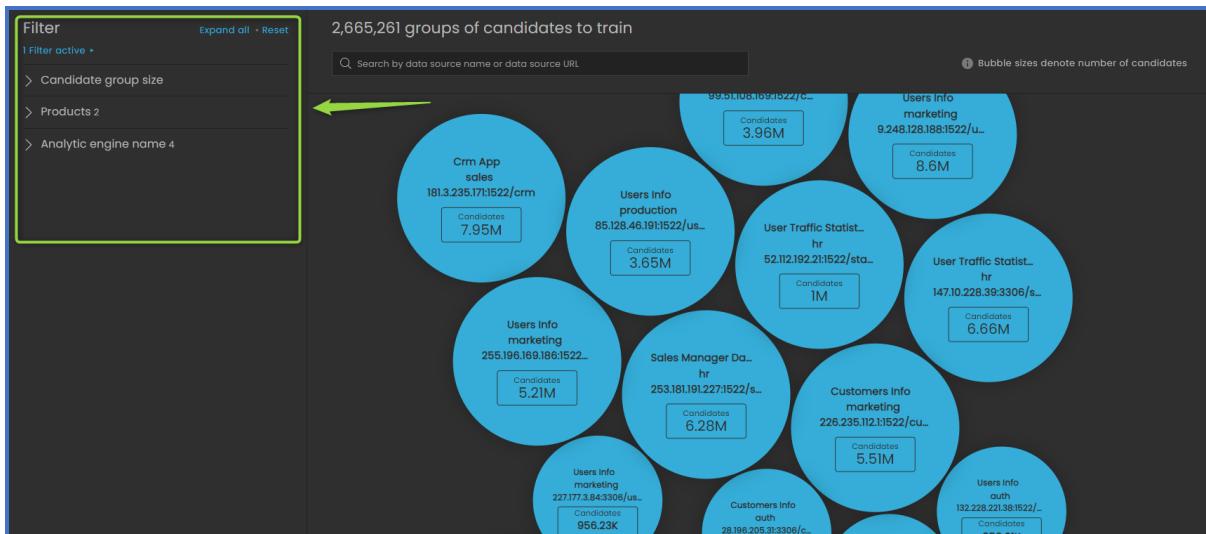


Figure 2: Filters panel

2. Hover over one of the bubbles and click the **Train** button to proceed with AI training.

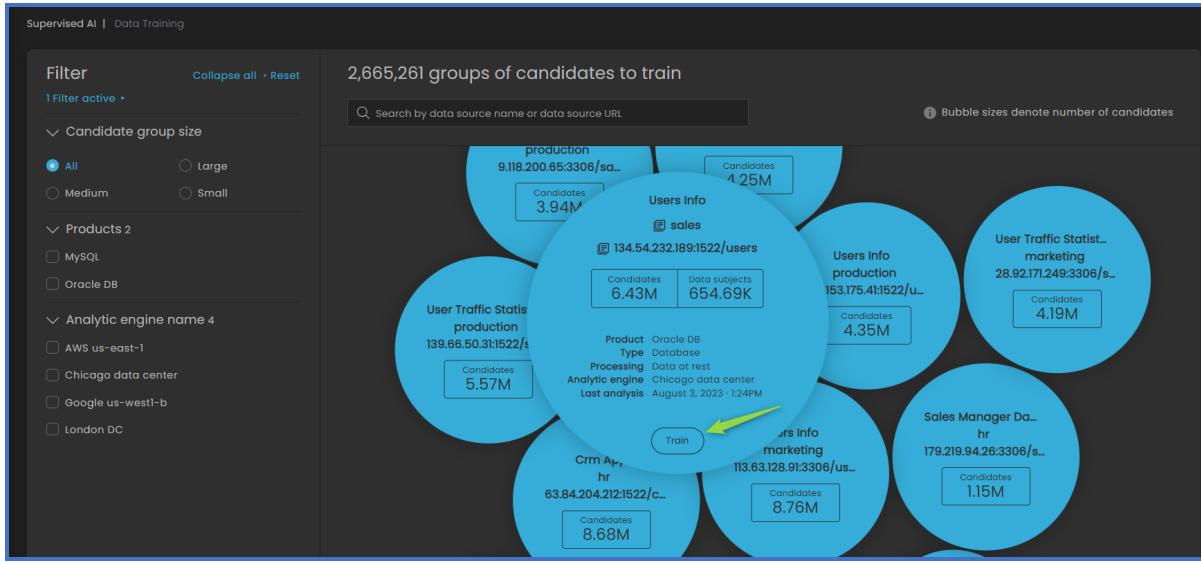


Figure 3: Candidate virtual view bubble

3. On the **Data training** page, you can explore the ability to edit the data fields and Supervised AI data elements.

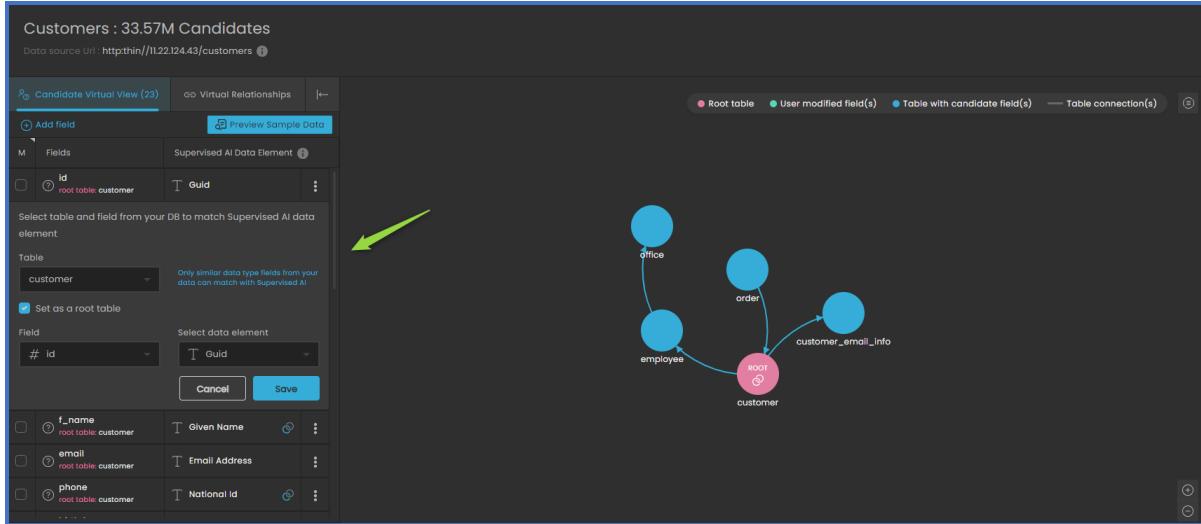


Figure 4: Data training page

4. Select one of the options in the bottom right corner of the page to either accept the virtual view (**Valid VV** button) or ignore it (**Ignore the VV** button). If needed, select the option to mark virtual view as root data asset.



Figure 5: Virtual view menu

5. You can browse, edit, and filter the list of saved VVs on the [RDA & Virtual View List](#) page.

| RDA/VV status | Date | Data source name | Data source type | Data source URL | Schema | Created | Processing status |
|---------------|-----------------------|--------------------------------|------------------|--|------------|----------|----------------------|
| > VV Approved | 24.07.2023 10:13:39AM | Customers info | Database | jdbc:mysql://125.154.213.85:3306/customers | marketing | Auto | changed |
| > Rda | 19.07.2023 02:07:47AM | Users info | Database | jdbc:oracle:thin:@//2.241.22.6.40:1522/users | sales | Manually | valid |
| > VV Ignored | 04.08.2023 01:01:23AM | Organization expenses track DB | Database | jdbc:mysql://134.216.153.255:3306/expenses_tracker | sales | Auto | valid |
| > VV Ignored | 02.08.2023 19:56:12PM | Sales manager database | Database | jdbc:mysql://18.179.19.67:3306/sales_manager | production | Manually | changed |
| > Rda | 08.07.2023 06:31:46AM | User traffic statistics | Database | jdbc:mysql://5.143.215.206:3056/stats | hr | Manually | valid |
| > Rda | 11.07.2023 21:34:59PM | Users info | Database | jdbc:oracle:thin:@//8.59.201.146:1522/users | production | Auto | changed |
| > VV Approved | 11.07.2023 17:22:23PM | Users info | Database | jdbc:oracle:thin:@//146.30.67.105:1522/users | marketing | Auto | changed |

Figure 6: RDA & virtual view list