

IDRT - Integrated Data Repository Toolkit

Summary

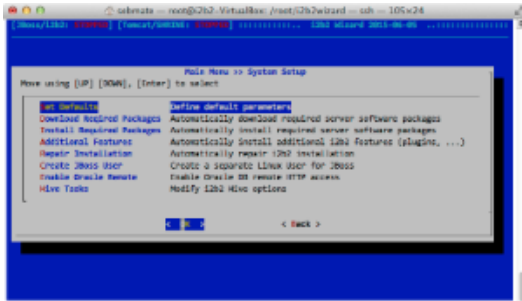
The **IDRT - Integrated Data Repository Toolkit** aims at providing a set of tools to make life with i2b2 easier. Currently, it comprises of four main components:

1. IDRT Architecture and i2b2 Best Practices

While working with i2b2 and the IDRT tool suite, a number of how-to's and recommendations has been developed, covering an overview about the **IDRT platform architecture**, the level of **modifier support in IDRT**, best practices for **performance optimization** and **ontology construction**.

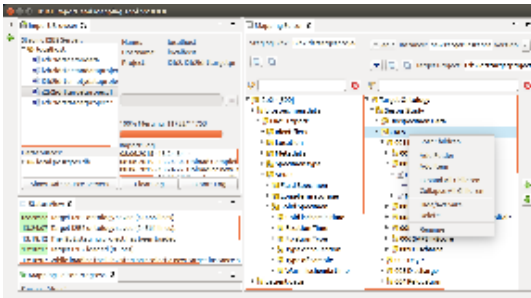
2. i2b2 Wizard

The **i2b2 Wizard** is a component for administrating an i2b2 instance: creating projects, creating users, maintaining server parameters and loading the i2b2 demodata provided by Harvard.



3. IDRT Import and Mapping Tool

The **IDRT Import and Mapping Tool (IMT)** has two missions: first, to load arbitrary source data in common formats like CSV, SQL or CDISC ODM into the i2b2 database and second, to provide a means to curate the i2b2 navigation ontology by creating, renaming and moving concepts or folders (or even mapping concepts to medical terminologies).



4. IDRT i2b2 Web Client Plugin

The **IDRT i2b2 Web Client Plugin** is an extension to the i2b2 webclient that supports the construct of i2b2 modifiers for export.

A screenshot of the IDRT i2b2 Web Client Plugin interface. It shows a table of patient data with columns for Patient ID, Smoking Status, Gender, and Age. The table contains 15 rows of data, with Patient IDs ranging from 15 to 148. The Smoking Status column has values like "Once per Day", "Never", and "Unknown". The Gender column has values like "male" and "female". The Age column has values ranging from 18 to 80.

| Patient ID | Smoking Status | Gender | Age |
|------------|----------------|--------|----------|
| 15 | Once per Day | male | 38.00000 |
| 20 | Once per Day | male | 52.00000 |
| 26 | Once per Day | male | 29.00000 |
| 28 | Once per Day | male | 55.00000 |
| 31 | Unknown | male | 49.00000 |
| 40 | Once per Day | male | 69.00000 |
| 49 | Once per Day | male | 81.00000 |
| 58 | Unknown | male | 62.00000 |
| 63 | Once per Day | male | 33.00000 |
| 66 | Unknown | male | 48.00000 |
| 67 | Once per Day | male | 65.00000 |
| 80 | Once per Day | male | 42.00000 |
| 84 | Unknown | male | 70.00000 |
| 85 | Unknown | male | 55.00000 |
| 86 | Unknown | male | 28.00000 |
| 102 | Unknown | male | 39.00000 |
| 116 | Once per Day | male | 66.00000 |
| 117 | Unknown | male | 22.00000 |
| 122 | Once per Day | male | 47.00000 |
| 127 | Unknown | male | 59.00000 |
| 131 | Once per Day | male | 34.00000 |
| 132 | Unknown | male | 34.00000 |
| 140 | Once per Day | male | 69.00000 |
| 148 | Once per Day | male | 41.00000 |

Disclaimer

The IDRT project is a collaborative effort from the [Department of Medical Informatics, University Medical Center Göttingen](#), the [Chair of Medical Informatics, Friedrich-Alexander-University of Erlangen-Nuremberg](#), and the [Institute for Medical Informatics, Statistics and Epidemiology \(IMISE\), University Leipzig](#), Germany. It was funded by a grant from [TMF – Technology, Methods, and Infrastructure for Networked Medical Research](#), Berlin, Germany.

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