

# IDRT - Integrated Data Repository Toolkit

## Summary

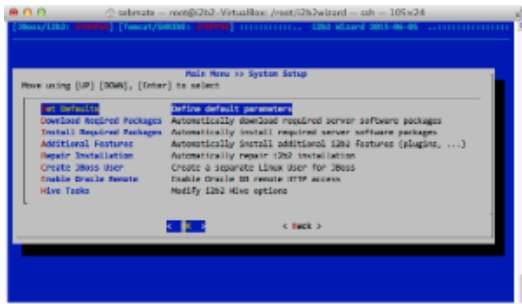
The **IDRT - Integrated Data Repository Toolkit** aims at providing a set of tools to make life with i2b2 easier. Currently, it comprises of four main components:

### 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**.

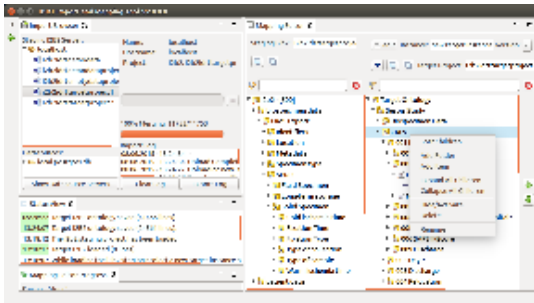
### 2. i2b2 Wizard

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. The interface shows a table of patient data with columns for Patient ID, i2b2 ID, i2b2 Name, Gender, and Age. The table contains 15 rows of data. The Patient ID column ranges from 22 to 148. The i2b2 ID column ranges from 100000 to 400000. The i2b2 Name column contains various names like "John Doe", "Jane Smith", etc. The Gender column contains "male" and "female". The Age column contains various ages like 30, 35, 40, etc.

Patient ID	i2b2 ID	i2b2 Name	Gender	Age
22	100000	John Doe	male	30
23	100001	Jane Smith	female	35
24	100002	Bob Johnson	male	40
25	100003	Alice Brown	female	45
26	100004	Charlie Davis	male	50
27	100005	Diana Evans	female	55
28	100006	Frank Green	male	60
29	100007	Grace Hill	female	65
30	100008	Henry King	male	70
31	100009	Ivy Lee	female	75
32	100010	Jack Miller	male	80
33	100011	Karen Wilson	female	85
34	100012	Leo White	male	90
35	100013	Mia Black	female	95
36	100014	Noah Gray	male	100
37	100015	Olivia Red	female	105
38	100016	Peter Blue	male	110
39	100017	Quinn Yellow	female	115
40	100018	Ryan Purple	male	120
41	100019	Sarah Pink	female	125
42	100020	Tom Brown	male	130
43	100021	Uma Green	female	135
44	100022	Victor Black	male	140
45	100023	Wendy Gray	female	145
46	100024	Xavier Red	male	150
47	100025	Yara Blue	female	155
48	100026	Zoe Yellow	female	160
49	100027	Adam Purple	male	165
50	100028	Bella Pink	female	170
51	100029	Charlie Brown	male	175
52	100030	Diana Green	female	180
53	100031	Frank Black	male	185
54	100032	Grace Gray	female	190
55	100033	Henry Red	male	195
56	100034	Ivy Blue	female	200
57	100035	Jack Yellow	male	205
58	100036	Karen Purple	female	210
59	100037	Leo Pink	male	215
60	100038	Mia Brown	female	220
61	100039	Noah Green	male	225
62	100040	Olivia Black	female	230
63	100041	Peter Gray	male	235
64	100042	Quinn Red	female	240
65	100043	Ryan Blue	male	245
66	100044	Sarah Yellow	female	250
67	100045	Tom Purple	male	255
68	100046	Uma Pink	female	260
69	100047	Victor Brown	male	265
70	100048	Wendy Green	female	270
71	100049	Xavier Black	male	275
72	100050	Yara Gray	female	280
73	100051	Zoe Red	female	285
74	100052	Adam Blue	male	290
75	100053	Bella Yellow	female	295
76	100054	Charlie Purple	male	300
77	100055	Diana Pink	female	305
78	100056	Frank Brown	male	310
79	100057	Grace Green	female	315
80	100058	Henry Black	male	320
81	100059	Ivy Gray	female	325
82	100060	Jack Red	male	330
83	100061	Karen Blue	female	335
84	100062	Leo Yellow	male	340
85	100063	Mia Purple	female	345
86	100064	Noah Pink	male	350
87	100065	Olivia Brown	female	355
88	100066	Peter Green	male	360
89	100067	Quinn Black	female	365
90	100068	Ryan Gray	male	370
91	100069	Sarah Red	female	375
92	100070	Tom Blue	male	380
93	100071	Uma Yellow	female	385
94	100072	Victor Purple	male	390
95	100073	Wendy Pink	female	395
96	100074	Xavier Brown	male	400
97	100075	Yara Green	female	405
98	100076	Zoe Black	female	410
99	100077	Adam Gray	male	415
100	100078	Bella Red	female	420
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114	100092	Quinn Brown	female	490
115	100093	Ryan Green	male	495
116	100094	Sarah Black	female	500
117	100095	Tom Gray	male	505
118	100096	Uma Red	female	510
119	100097	Victor Blue	male	515
120	100098	Wendy Yellow	female	520
121	100099	Xavier Purple	male	525
122	100100	Yara Pink	female	530
123	100101	Zoe Brown	female	535
124	100102	Adam Green	male	540
125	100103	Bella Black	female	545
126	100104	Charlie Gray	male	550
127	100105	Diana Red	female	555
128	100106	Frank Blue	male	560
129	100107	Grace Yellow	female	565
130	100108	Henry Purple	male	570
131	100109	Ivy Pink	female	575
132	100110	Jack Brown	male	580
133	100111	Karen Green	female	585
134	100112	Leo Black	male	590
135	100113	Mia Gray	female	595
136	100114	Noah Red	male	600
137	100115	Olivia Blue	female	605
138	100116	Peter Yellow	male	610
139	100117	Quinn Purple	female	615
140	100118	Ryan Pink	male	620
141	100119	Sarah Brown	female	625
142	100120	Tom Green	male	630
143	100121	Uma Black	female	635
144	100122	Victor Gray	male	640
145	100123	Wendy Red	female	645
146	100124	Xavier Blue	male	650
147	100125	Yara Yellow	female	655
148	100126	Zoe Purple	female	660

## 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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