

i2b2 Database Strategy

Release 1.3

Assumptions

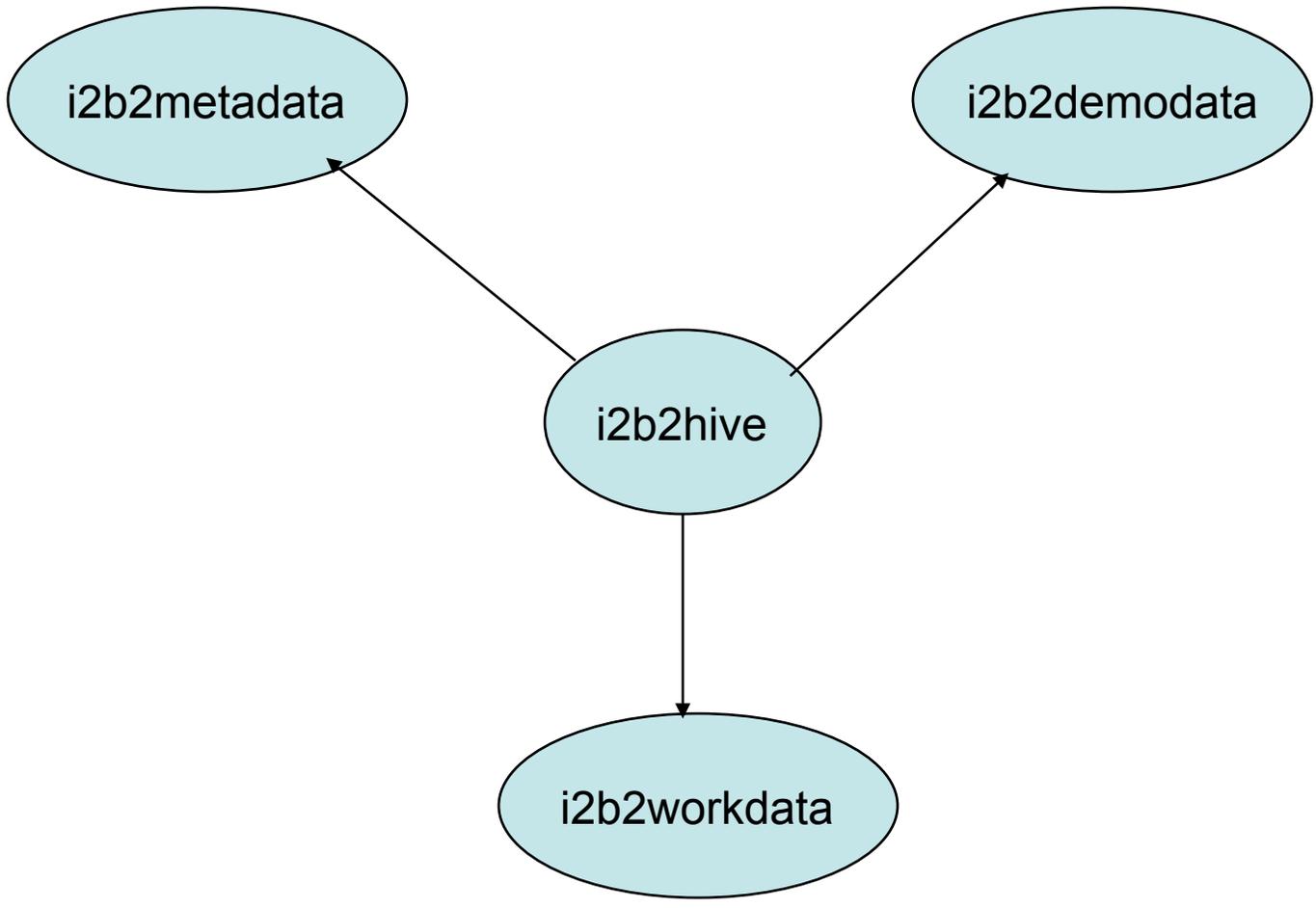
- Default schema for each user (i2b2hive...)
(Schema and user have same name)
- User has create privileges for its default schema only

Schema i2b2hive

- Think of it as a traffic cop
- Bootstrap schema for all cells
- Contains all cell lookup tables:
ONT_DB_LOOKUP, CRC_DB_LOOKUP,
WORK_DB_LOOKUP

i2b2hive's Lookup tables

- One for each cell (ONT, CRC, WORK)
- Identifies location of ONT metadata, CRC demo data and WORK workdata schemas by project/domain/owner
- Maps configured datasource to schema by project/domain/owner
- Domain is equivalent to the target location in i2b2 log in prompt



Schema i2b2metadata

- May have one or more metadata table: each will map to a root folder in the Ontology tree.
- TABLE_ACCESS table provides map from metadata table name to root folder names and attributes
- SCHEMES table provides list of known schemes used in metadata tables. Column c_key literally maps to concept_cd's prefix in metadata table.
- One unique i2b2metadata schema per project.

Schema i2b2workdata

- WORKPLACE_ACCESS table provides workdata table name for each user and attributes for Workplace root folders.
- May have one workdata table for all users or one per user, etc.
- One unique i2b2workdata schema per project.

i2b2demodata

- One unique i2b2workdata schema per project.
- All clinical data (dimension, fact tables)
- All CRC Query support tables
- All CRC Uploader support tables