Charlotte Regional Data Trust

Technical Operations Manual



UNC Charlotte Urban Institute

07/28/2022



CRDT Integrated Data SystemHousing & Homelessness Data

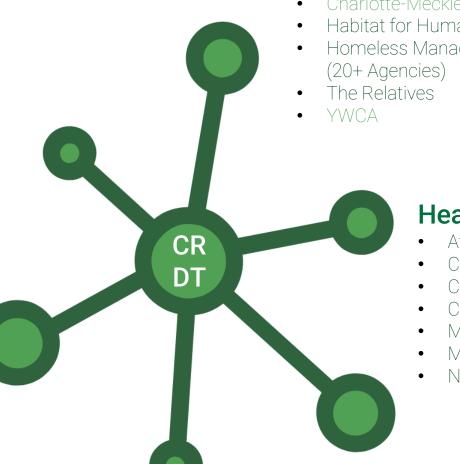
Current Data Sharing Partners Partners in Process

Social Services Data

- Child Care Resources, Inc.
- Crisis Assistance Ministry
- Goodwill Industries
- Goodwill Opportunity Campus Partners
- Mecklenburg County CSS
- Mecklenburg County DSS
- Mecklenburg Partnership for Children
- YMCA

Education Data

- Cabarrus County Schools
- Charlotte Mecklenburg Schools
- Kannapolis City Schools
- A Child's Place
- Bethlehem Center
- Brookstone Schools
- Central Piedmont Community College
- Communities in Schools
- Freedom School Partners
- JNC Charlotte



Charlotte Family Housing

- Charlotte Housing Authority
- Charlotte-Mecklenburg Housing Partnership
- Habitat for Humanity
- Homeless Management Information Systems

Health & Mental Health Data

- Atrium Health
- Cardinal Innovations
- Charlotte Community Health Clinic
- CW Williams Community Health Clinic
- Mecklenburg County Health Department
- Mecklenburg County Medic
- Novant Health

Criminal Justice Data

- Mecklenburg County Sheriff's Office
- Administrative Office of the Courts
- Charlotte-Mecklenburg Police Department



Data Operations

Release

Acquisition Onboarding Curation Ingestion Upstream Disclosure

Deidentification

Integration

Extraction

Control and

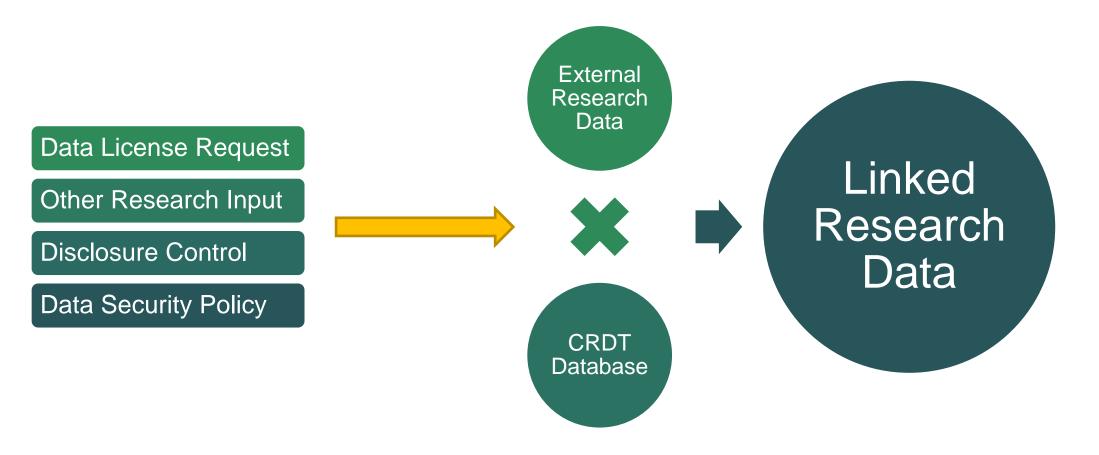
Review



Downstream



Data & Research Services

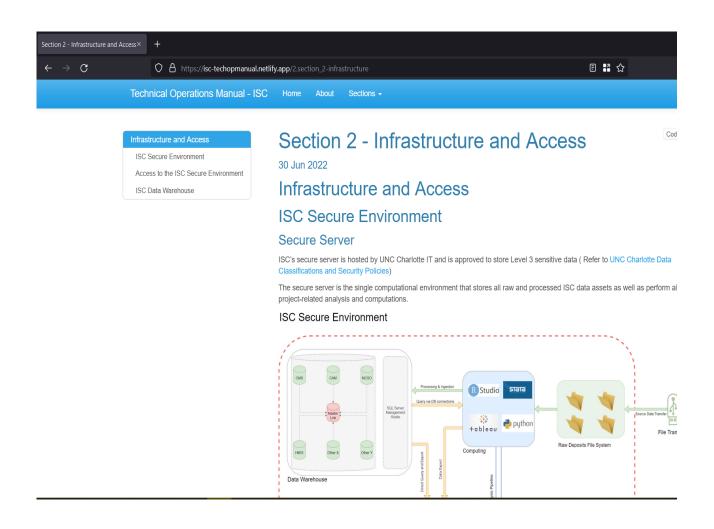




The operations manual

Principles

- Comprehensive
- Simple
- Extensible
- Pluralistic
- Collaborative
- Adaptive

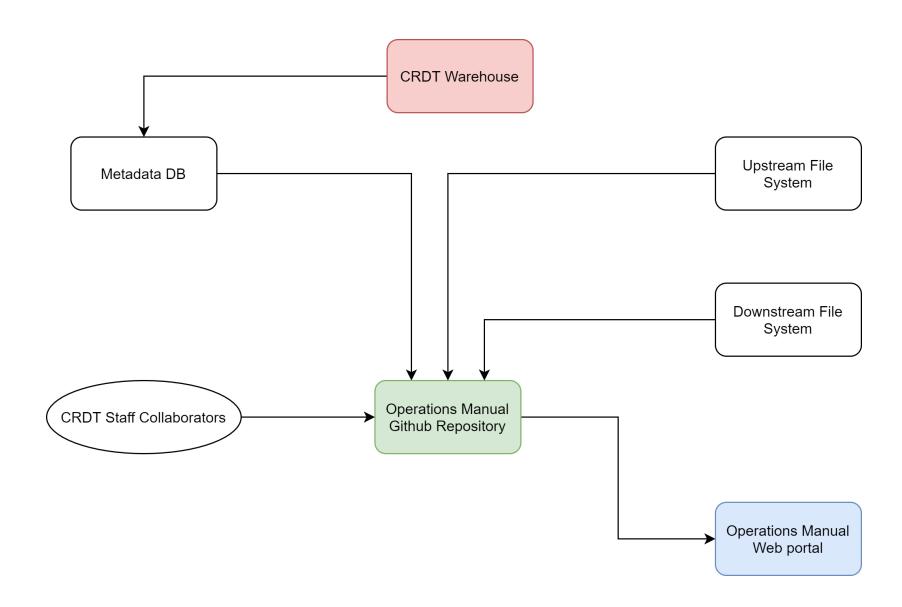


Technology stack of the manual

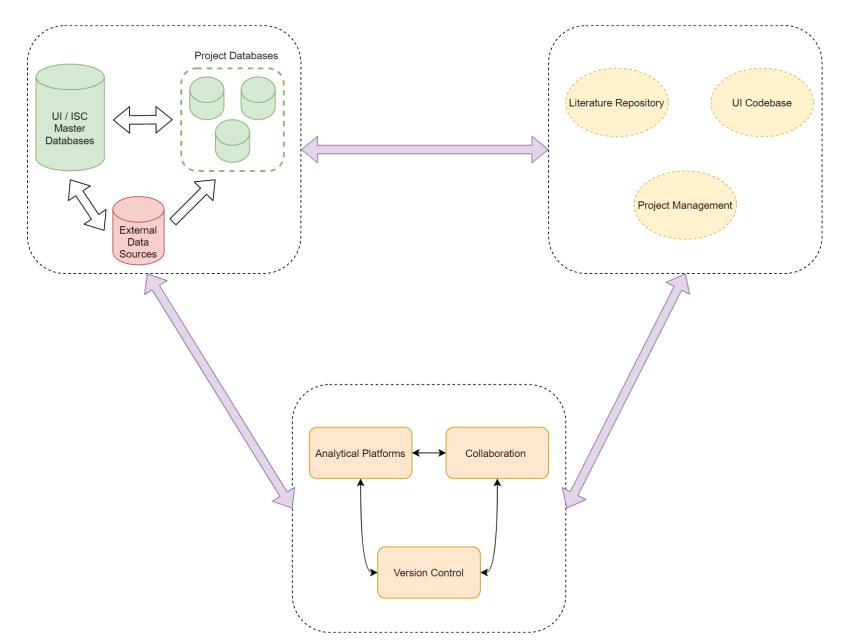




Workflow



Reproducible research framework at UI



Future

- Finishing v.1.0
- Public Version
- Linking Reference Management
- Linking Project Files
- Project Management Templates
- Rmarkdown to Quarto?



Thank you

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