

# Mobius DAIX Implementation

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- Our group attempted to implement the DAIX specification with our grid service development tools, specifically Introduce.
- Aim was to implement the grid interfaces with Introduce and then plug in the back end implementation of our Mobius Federated XML Database.

- Primary
  - **Warm bodies** -- our group has been ambushed with other projects and this project, being unfunded and not part of our current projects requirements, has prevented us from having resources available to utilize for it.
- Secondary
  - **Tool issues** – our Introduce tools relies on all data types which are wrapped in messages traveling into and out of a porttype to be defined in an external schema.
    - Reason – we believe in strongly typed grids where data types are defined in schema and publically available via data type registry services.
      - Cagrid utilizes this approach and therefore our current tooling relies on it.
    - Resolution – there is nothing wrong with the way the specification is currently written, although we would not deem it a best practice to have the types defined in the schema part of the wsdl document our tools should handle this.
  - **Faults** – faults defined in specification are not extending from WS-BaseFaults.
    - This should be discussed as this is most likely an interoperability issue.

- If we can locate some spare resources we plan to attempt this implementation, however, until this happens we are on hold.
- We plan to alter our tooling to be able to handle the issues we have with types being defined inside the wsdl as opposed to be referenced from external schema.