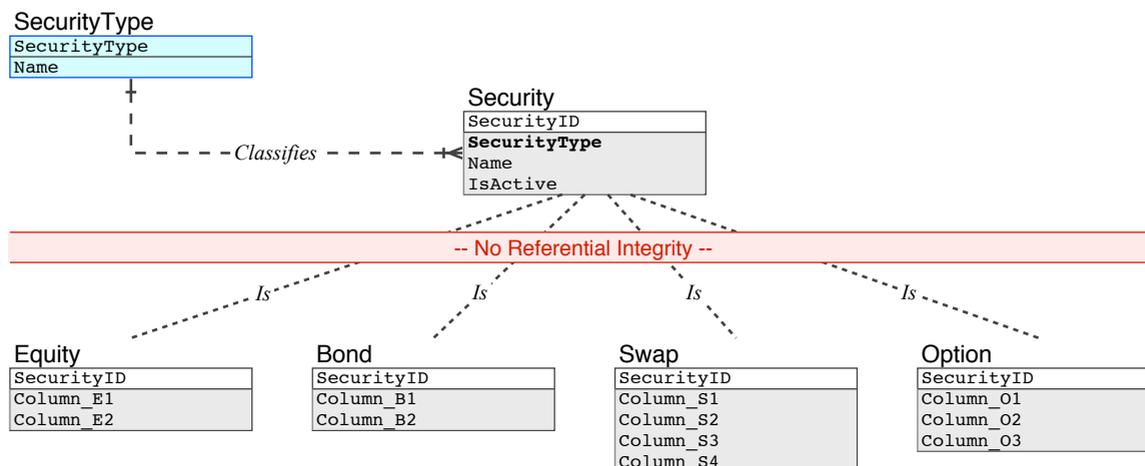
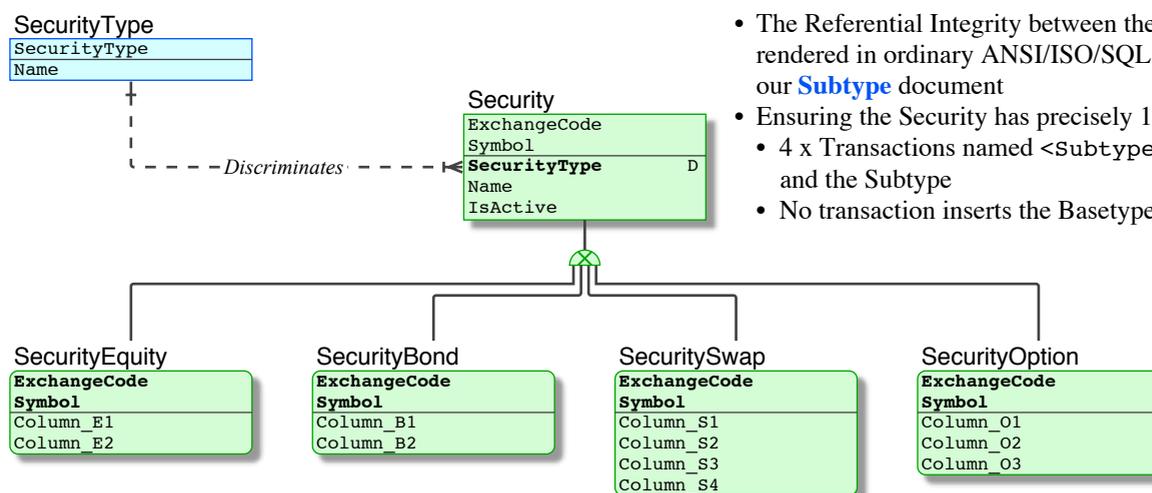


### 1 Current: Non-relational Non-database



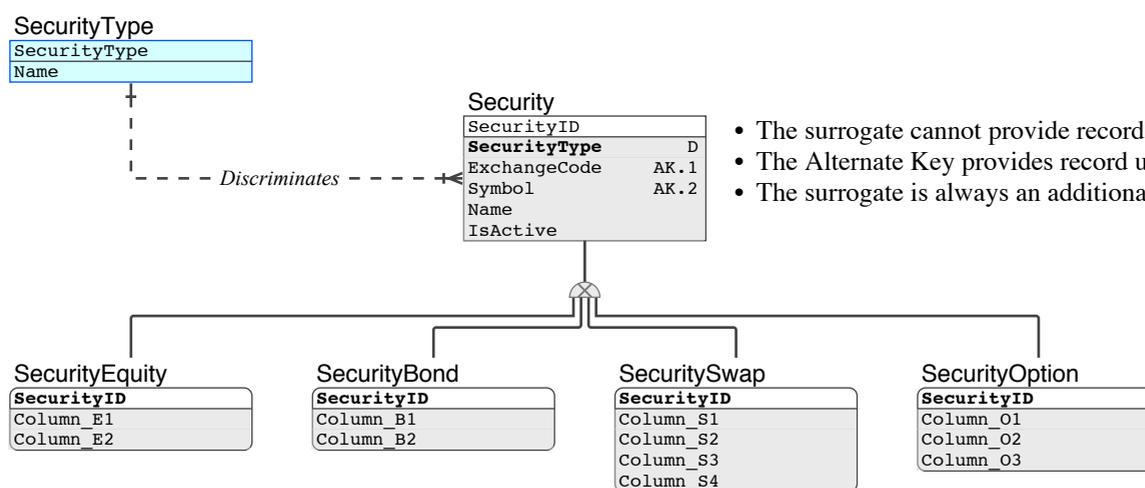
### 2 Recommendation: Relational Database



- The Referential Integrity between the Basetype and the Subtype, is rendered in ordinary ANSI/ISO/SQL. For detailed information, refer to our [Subtype](#) document
- Ensuring the Security has precisely 1 Subtype is a transactional issue:
  - 4 x Transactions named <Subtype>\_Add\_tr that insert the Basetype and the Subtype
  - No transaction inserts the Basetype

### 3 Recommendation: Record Filing System

- The surrogate SecurityID is retained on the basis that it would be prohibitive to correct in the child tables (of this cluster)
- The natural Relational Key [2] provides a level of Relational Integrity, power and speed, that is infinitely superior
- Ordinary SQL Referential Integrity (child REFERENCES parent) has been added
- The Date & Darwen self-sabotage of adding a backward reference (parent REFERENCES child) is not required, thus the deranged "deferred constraint checking" "feature" that the self-sabotage demands is also not required..



- The surrogate cannot provide record uniqueness
- The Alternate Key provides record uniqueness
- The surrogate is always an additional column, and an additional index.