

An early example – Postgres

Postgres ('Post Ingres') is a research DBMS designed to be potential successor to INGRES.

Some of the objectives of the project were to provide:

- better support for complex objects.
- user extensibility for data types, operators & access methods.
- active database facilities (alerters & triggers) & inferencing support.
- Make as few changes as possible to the relational model.

Postgres extended RDM (used "the first way") to include:

- Abstract Data Types,
- Data of type 'procedure',
- Rules.

Supported OO constructs such as aggregation, generalization, complex objects with shared subobjects, and attributes that reference tuples in other relations.