

# Introducing the ObjectTalks Data Definition and Manipulation Language

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## 1. Introduction

This page is about the *ObjectTalks* data definition and manipulation language abbreviated as *Ot*. This language is intended to serve as part of the Data Transformation component in the so-called [Semantic Infrastructure](#) of the Business Integration solution and it is also plays a similar role in the [discourse representation system](#) that I am working on.

## 2. Design Goals

Some design goals for the *Ot* language are presented here.

- simple syntax and semantics
- well aligned with relational algebra and object-oriented intuitions
- well aligned with generalized forms of predicate logic
- native support for orthogonals
- good performance
- a complete language not primarily intended to for embedding

Additionally, the ObjectTalks interpreter should accomodate the manipulation of data from different sources such as relational databases, [ObjectTalks Significance Documents](#) and token separated files.

## 3. Data Definition and Manipulation

An [introduction](#) to the syntax of and semantics of data definition part of the *ObjectTalks* data language is available. The syntax and semantics of the data manipulation part of the ObjectTalks data language is also [described](#).