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Mapping Results to Objects

Kevin Callahan edited this page on 18 Dec 2015 · 2 revisions

Insight analyzes each result set and creates a mapping between the result set and the desired return types.

By default, Insight will map the name of each column to individual fields or properties.

1. Analyze the schema of the result set to determine the fields that have been returned.
2. Determine the available fields and properties that can be set.
3. Build a mapping between database fields and object properties.
4. Cache the deserializer for the result set so it can be reused for any mapping that matches the signature. The signature of the result set is a hash of the column names and the data types.

Analyze the Schema of the Result Set

Insight calculates a SchemaIdentity for each result set. This is a hash of the columns and data types and is expected to be distinct for any practical sets of recordsets.

Determine the Available Properties

Insight uses reflection to determine the fields and properties on the desired return types. Any public, internal, or private field or property can be used as a binding target.
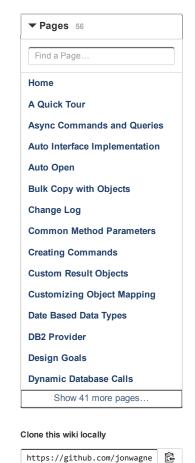
This information is cached for subsequent mapping operations.

Build a Mapping Between Database and Object

Insight maps the database fields to object members using a case-insensitive exact match.

The mapper can also handle special types (see Xml Parameters and Results) as well as object graphs (see Specifying Result Structures).

Query Parameter Mapping - BACK || NEXT- Customizing Object Mapping

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▼ **Pages** 56

| Find a Page… |

Home

A Quick Tour

Async Commands and Queries

Auto Interface Implementation

Auto Open

Bulk Copy with Objects

Change Log

Common Method Parameters

Creating Commands

Custom Result Objects

Customizing Object Mapping

Date Based Data Types

DB2 Provider

Design Goals

Dynamic Database Calls

        Show 41 more pages…

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