Building a Database Versioning Tool

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Database Versioning Tool
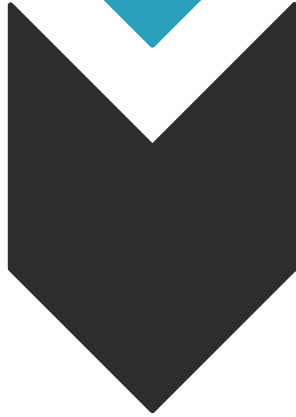
Lightweight

Production-ready software

Database Versioning Tool

Defining migrations

Keeping track of the schema version

Database Versioning Tool

Settings table:

	Column Name	Data Type	Allow Nulls
🔑	Name	nvarchar(200)	☐
	Value	nvarchar(200)	☐

Current version: 2 ⟹ 03_ChangeDescription.sql ⟹ New version: 3

Database Versioning Tool

Defining migrations

Keeping track of the schema version

Transactional migrations

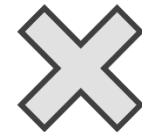# Database Versioning Tool

✓ **Rolling forward**

✗ **No backward migrations**

Database Versioning Tool

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✗ **No backward migrations**

Database Versioning Tool

✓ **For development purposes only**

✓ **Re-creating the database from scratch**

✗ **No backward migrations**

✓ **New compensatory migration or DB rollback**

Using the Database Versioning Tool

Copy it to your solution
as a separate project

Using the Database Versioning Tool

Version: 2

Migration 3

Migration tool

Migration 1

Migration 2

Migration 3

✓ All migrations are transactional

http://bit.ly/migration-tool

Summary

Building an own database versioning tool

- Good fit for small projects

- Keeps track of the database version

- Allows for defining migrations

- Executes migrations in a transactional manner

In the Next Module

Refactoring integration databases using Evolutionary Design