

Basic Design Patterns Part 1

Truncate & Load, SCD Wizard

Robert C. Cain, MVP
<http://arcanecode.com>
@arcanecode



pluralsight 
hardcore dev and IT training

Truncate and Load

Deletes all rows in target, then completely reloads from source

Commonly used in staging environments, often with other patterns

Pros

- ❑ Simple to implement
- ❑ Fast for small to medium datasets

Cons

- ❑ No change tracking
- ❑ Slower for large datasets

SCD Wizard Type 1

SCD (Slowly Changing Dimension) Wizard

Pattern for tables with Type 1 attributes only

Pros

- Easy to create
- Good for very very very small updates

Cons

- When something changes all SCD generated components must be deleted and recreated.
- Incredibly slow.
- Did we mention it is slow?
- It is really really really slow.

SCD Wizard Type 2

SCD (Slowly Changing Dimension) Wizard

Pattern for tables with Type 1 and 2 attributes

Wizard is same for both patterns, just different options

Pros

- Easy to create
- Good for very very very small updates

Cons

- When something changes all SCD generated components must be deleted and recreated.
- Incredibly slow.
- It didn't get any faster since the last section