

# Core Data Fundamentals

Versioning a Model

Brice Wilson  
[www.BriceWilson.net](http://www.BriceWilson.net)  
[@brice\\_wilson](https://twitter.com/brice_wilson)



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# Introduction

Data Migration

How to create a new model version

How to perform a lightweight migration

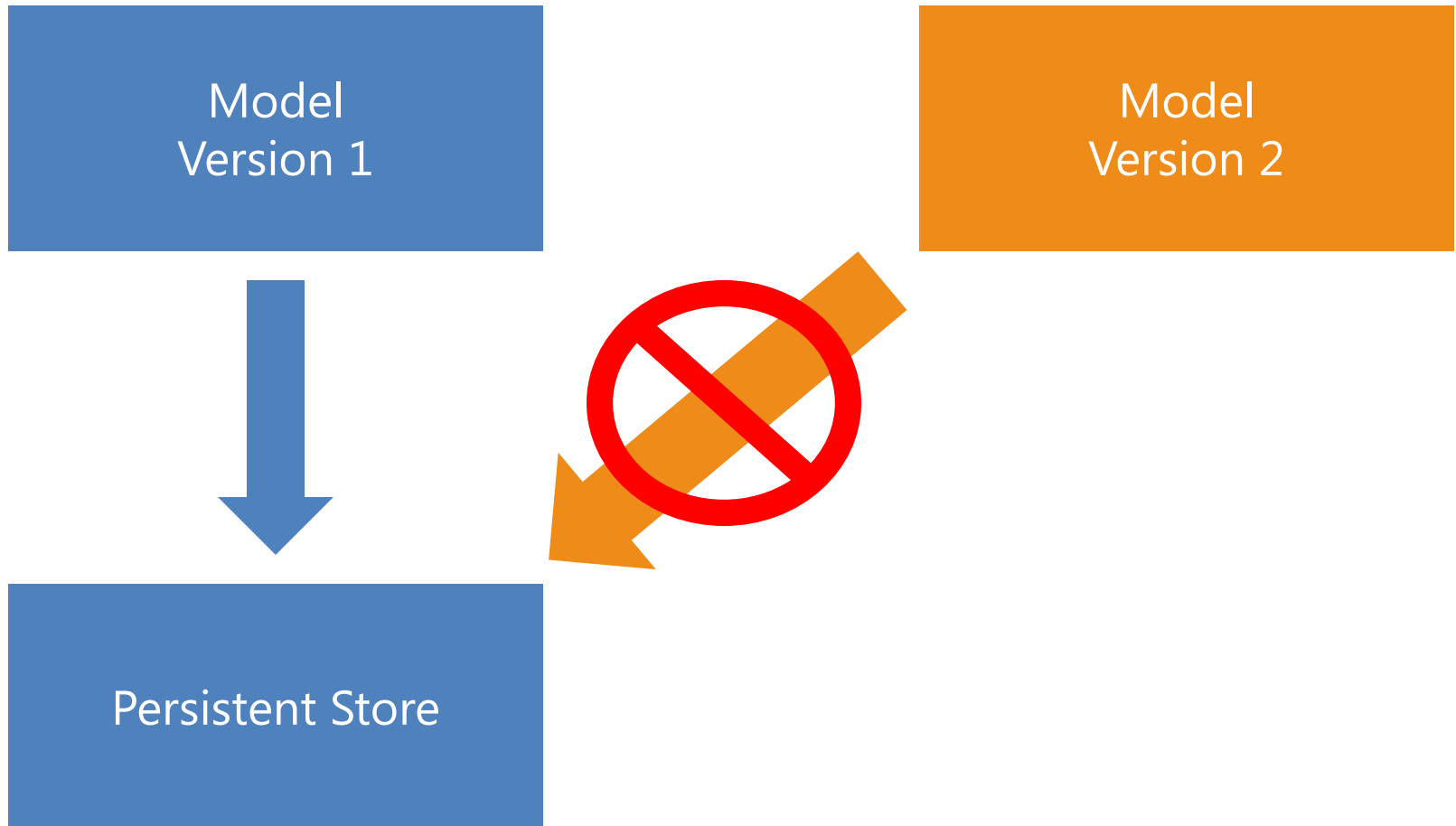
# Data Migration

Model  
Version 1

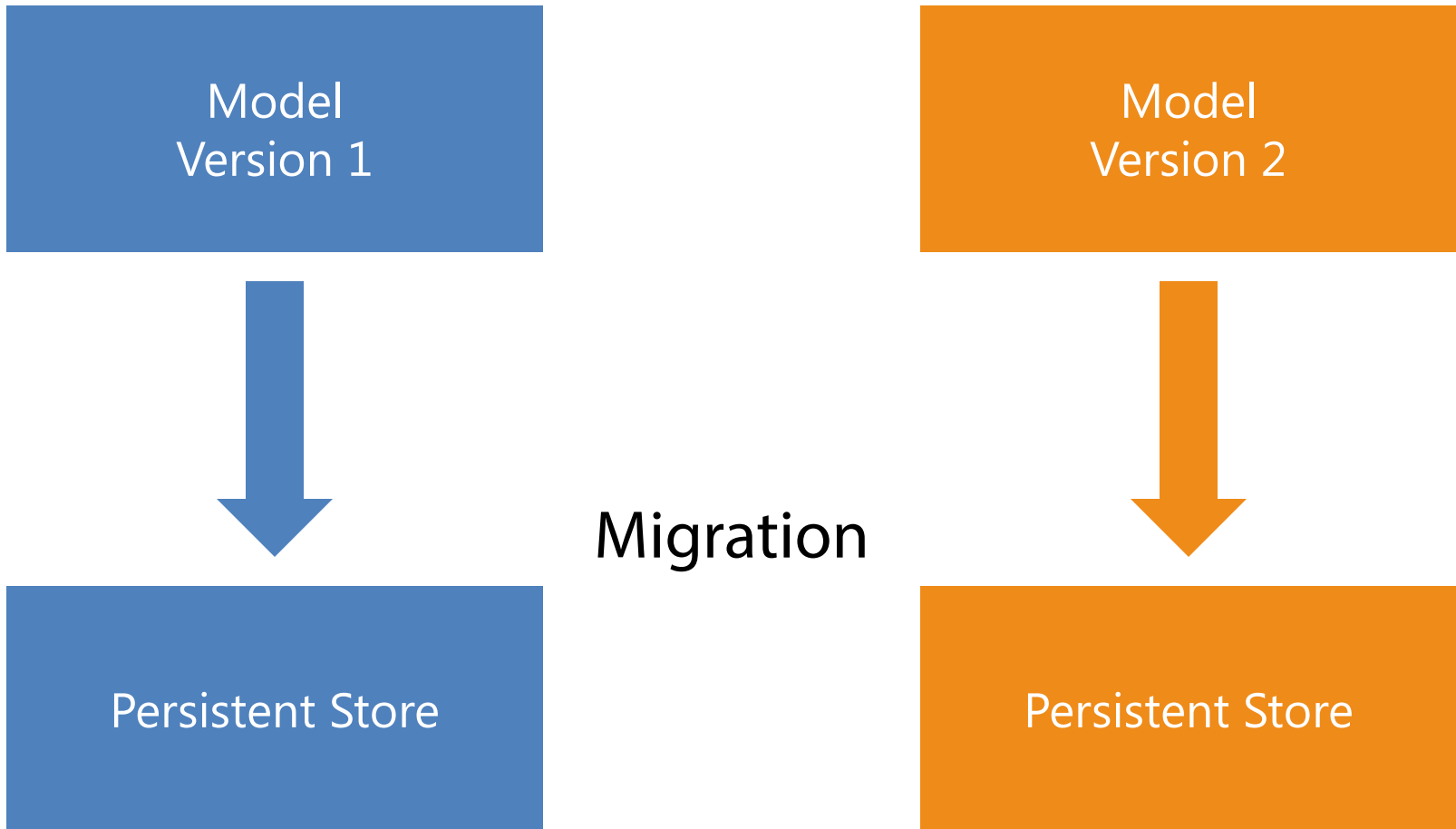


Persistent Store

# Data Migration



# Data Migration



# Lightweight Migrations

Adding, Removing, and Renaming Attributes

Adding, Removing, and Renaming Entities

Adding, Removing, and Renaming Relationships

Create Parent and Child Entities

Move Attributes Up and Down Entity Hierarchy

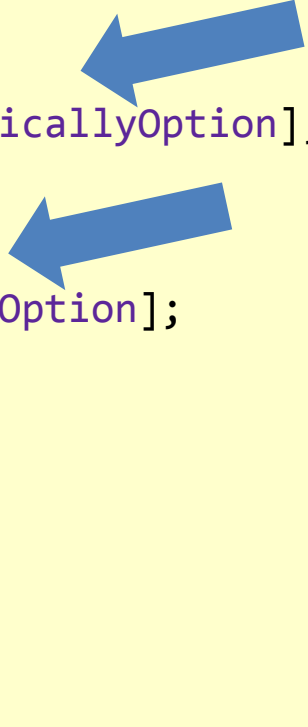
# Request Automatic Migration

```
NSMutableDictionary *pscOptions = [NSMutableDictionary dictionary];

[pscOptions setValue:[NSNumber numberWithBool:YES]
                 forKey:NSMigratePersistentStoresAutomaticallyOption];

[pscOptions setValue:[NSNumber numberWithBool:YES]
                 forKey:NSInferMappingModelAutomaticallyOption];

NSError *error = nil;
[psc addPersistentStoreWithType:NSSQLiteStoreType
                 configuration:nil
                 URL:dataStoreURL
                 options:pscOptions
                 error:&error];
```

Three blue arrows are present in the image. The first arrow points from the right towards the 'YES' value in the first '[pscOptions setValue:...]' line. The second arrow points from the right towards the 'YES' value in the second '[pscOptions setValue:...]' line. The third arrow points from the right towards the 'options:pscOptions' parameter in the '[psc addPersistentStoreWithType:...]' line.

# Summary

Types of data migrations

How to create a new model version

How to perform a lightweight migration