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# NSMappingModel Class Reference

[Cocoa](#) > [Data Management](#)



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# NSMappingModel Class Reference

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<b>Inherits from</b>	NSObject
<b>Conforms to</b>	NSObject (NSObject)
<b>Framework</b>	/System/Library/Frameworks/CoreData.framework
<b>Availability</b>	Available in Mac OS X v10.5 and later.
<b>Companion guide</b>	Core Data Model Versioning and Data Migration Programming Guide
<b>Declared in</b>	NSMappingModel.h

## Overview

Instances of `NSMappingModel` specify how to map from a source to a destination managed object model.

## Tasks

### Creating a Mapping

- + [mappingModelFromBundles:forSourceModel:destinationModel:](#) (page 6)  
Returns the mapping model to translate data from the source to the destination model.
- [initWithContentsOfURL:](#) (page 7)  
Returns a mapping model initialized from a given URL.

### Managing Entity Mappings

- [entityMappings](#) (page 6)  
Returns the collection of entity mappings for the receiver.
- [setEntityMappings:](#) (page 8)  
Sets the collection of entity mappings for the receiver
- [entityMappingsByName](#) (page 7)  
Returns a dictionary of the entity mappings for the receiver.

## Class Methods

### **mappingModelFromBundles:forSourceModel:destinationModel:**

Returns the mapping model to translate data from the source to the destination model.

```
+ (NSMappingModel *)mappingModelFromBundles:(NSArray *)bundles
  forSourceModel:(NSManagedObjectModel *)sourceModel
  destinationModel:(NSManagedObjectModel *)destinationModel
```

#### **Parameters**

*bundles*

An array of bundles in which to search for mapping models.

*sourceModel*

The managed object model for the source store.

*destinationModel*

The managed object model for the destination store.

#### **Return Value**

Returns the mapping model to translate data from *sourceModel* to *destinationModel*. If a suitable mapping model cannot be found, returns `nil`.

#### **Discussion**

This method is a companion to the `mergedModelFromBundles:` and `mergedModelFromBundles:forStoreMetadata:` methods. In this case, the framework uses the version information from the models to locate the appropriate mapping model in the available bundles.

#### **Availability**

Available in Mac OS X v10.5 and later.

#### **See Also**

- [initWithContentsOfURL:](#) (page 7)

#### **Declared In**

NSMappingModel.h

## Instance Methods

### **entityMappings**

Returns the collection of entity mappings for the receiver.

```
- (NSArray *)entityMappings
```

#### **Return Value**

The collection of entity mappings for the receiver.

#### **Special Considerations**

The order of the mappings in the array specifies the order in which they will be processed during migration.

**Availability**

Available in Mac OS X v10.5 and later.

**See Also**

- [setEntityMappings:](#) (page 8)
- [entityMappingsByName](#) (page 7)

**Declared In**

NSMappingModel.h

**entityMappingsByName**

Returns a dictionary of the entity mappings for the receiver.

- (NSDictionary \*)entityMappingsByName

**Return Value**

A dictionary of the entity mappings for the receiver, keyed by their respective name.

**Discussion**

You can use this method to quickly access to mapping by name, rather than iterating the ordered array returned by [entityMappings](#) (page 6).

**Availability**

Available in Mac OS X v10.5 and later.

**See Also**

- [entityMappings](#) (page 6)

**Declared In**

NSMappingModel.h

**initWithContentsOfURL:**

Returns a mapping model initialized from a given URL.

- (id)initWithContentsOfURL:(NSURL \*)url

**Parameters**

*url*

The location of an archived mapping model.

**Return Value**

A mapping model initialized from *url*.

**Availability**

Available in Mac OS X v10.5 and later.

**See Also**

- + [mappingModelFromBundles:forSourceModel:destinationModel:](#) (page 6)

**Declared In**

NSMappingModel.h

## **setEntityMappings:**

Sets the collection of entity mappings for the receiver

- (void)setEntityMappings:(NSArray \*)*mappings*

### **Parameters**

*mappings*

The collection of entity mappings for the receiver.

### **Special Considerations**

The order of the mappings specifies the order in which they will be processed during migration.

### **Availability**

Available in Mac OS X v10.5 and later.

### **See Also**

- [entityMappings](#) (page 6)

### **Declared In**

NSMappingModel.h



# Document Revision History

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This table describes the changes to *NSMappingModel Class Reference*.

Date	Notes
2007-05-22	New document that describes the Core Data class used to specify a mapping from one schema to another during migration.

## REVISION HISTORY

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