

MongoRepository Namespace

Provides classes to use MongoDB with a repository pattern.

▲ Classes

	Class	Description
	CollectionName	Attribute used to annotate Entities with to override mongo collection name. By default, when this attribute is not specified, the classname will be used.
	Entity	Abstract Entity for all the BusinessEntities.
	MongoRepositoryT	Deals with entities in MongoDB.
	MongoRepositoryT, TKey	Deals with entities in MongoDB.
	MongoRepositoryManagerT	Deals with the collections of entities in MongoDB. This class tries to hide as much MongoDB-

specific details as possible but it's not 100% *yet*. It is a very thin wrapper around most methods on MongoDB's MongoClient objects.



MongoRepositoryManagerT, TKey

Deals with the collections of entities in MongoDB. This class tries to hide as much MongoDB-specific details as possible but it's not 100% *yet*. It is a very thin wrapper around most methods on MongoDB's MongoClient objects.

▲ Interfaces

	Interface	Description
	IEntity	"Default" Entity interface.
	IEntityTKey	Generic Entity interface.
	IRepositoryT	IRepository definition.
	IRepositoryT, TKey	IRepository definition.



[IRepositoryManagerT](#)

IRepositoryManager
definition.



[IRepositoryManagerT,
TKey](#)

IRepositoryManager
definition.

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CollectionName Class

Attribute used to annotate Entities with to override mongo collection name. By default, when this attribute is not specified, the classname will be used.

▲ Inheritance Hierarchy

[SystemObject](#) [SystemAttribute](#)
[MongoRepositoryCollectionName](#)

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public class CollectionName : Attribute
```

The [CollectionName](#) type exposes the following members.

▲ Constructors

	Name	Description
	CollectionName	Initializes a new instance of the CollectionName class attribute with the desired name.

[Top](#)

▲ Properties

	Name	Description
	Name	Gets the name of the collection.
	TypeId	When implemented in a derived class, gets a unique identifier for this Attribute . (Inherited from Attribute .)

[Top](#)

▲ Methods

	Name	Description
	Equals	Returns a value that indicates whether this instance is equal to a specified object. (Inherited from Attribute .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Returns the hash code for this instance. (Inherited from Attribute .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	IsDefaultAttribute	When overridden in a derived class, indicates whether the value of this instance is the default value for the derived

class.
(Inherited from [Attribute](#).)



Match

When overridden in a derived class, returns a value that indicates whether this instance equals a specified object.
(Inherited from [Attribute](#).)



MemberwiseClone

Creates a shallow copy of the current [Object](#).
(Inherited from [Object](#).)



ToString

Returns a string that represents the current object.
(Inherited from [Object](#).)

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▲ See Also

Reference

[MongoRepository Namespace](#)

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CollectionName Constructor

Initializes a new instance of the CollectionName class attribute with the desired name.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public CollectionName(  
    string value  
)
```

Parameters

value

Type: [SystemString](#)

Name of the collection.

▲ See Also

Reference

[CollectionName Class](#)

[MongoRepository Namespace](#)

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CollectionName Properties

The [CollectionName](#) type exposes the following members.

▲ Properties

	Name	Description
	Name	Gets the name of the collection.
	TypeId	When implemented in a derived class, gets a unique identifier for this Attribute . (Inherited from Attribute .)

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▲ See Also

Reference

[CollectionName Class](#)

[MongoRepository Namespace](#)

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CollectionNameName Property

Gets the name of the collection.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual string Name { get; }
```

Property Value

Type: [String](#)

The name of the collection.

▲ See Also

Reference

[CollectionName Class](#)

[MongoRepository Namespace](#)

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CollectionName Methods

The [CollectionName](#) type exposes the following members.

▲ Methods

	Name	Description
	Equals	Returns a value that indicates whether this instance is equal to a specified object. (Inherited from Attribute .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Returns the hash code for this instance. (Inherited from Attribute .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	IsDefaultAttribute	When overridden in a derived class, indicates whether the value of this instance is the default value for the derived class. (Inherited from Attribute .)



Match

When overridden in a derived class, returns a value that indicates whether this instance equals a specified object.
(Inherited from [Attribute](#).)



MemberwiseClone

Creates a shallow copy of the current [Object](#).
(Inherited from [Object](#).)



ToString

Returns a string that represents the current object.
(Inherited from [Object](#).)

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▲ See Also

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[CollectionName Class](#)

[MongoRepository Namespace](#)

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Entity Class

Abstract Entity for all the BusinessEntities.

▾ Inheritance Hierarchy

[SystemObject](#) [MongoRepositoryEntity](#)

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▾ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
[SerializableAttribute]  
public abstract class Entity : IEntity<string>
```

The [Entity](#) type exposes the following members.

▾ Constructors

	Name	Description
	Entity	Initializes a new instance of the Entity class

[Top](#)

▾ Properties

	Name	Description
	Id	Gets or sets the id for this object (the

primary record for an entity).

[Top](#)

▲ Methods

	Name	Description
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as the default hash function. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

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▲ See Also

Reference

[MongoRepository Namespace](#)

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Entity Constructor

Initializes a new instance of the [Entity](#) class

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
protected Entity()
```

▲ See Also

Reference

[Entity Class](#)

[MongoRepository Namespace](#)

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Entity Properties

The [Entity](#) type exposes the following members.

▲ Properties

	Name	Description
	Id	Gets or sets the id for this object (the primary record for an entity).

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▲ See Also

Reference

[Entity Class](#)

[MongoRepository Namespace](#)

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EntityId Property

Gets or sets the id for this object (the primary record for an entity).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual string Id { get; set; }
```

Property Value

Type: [String](#)

The id for this object (the primary record for an entity).

Implements

[IEntityTKeyId](#)

▲ See Also

Reference

[Entity Class](#)

[MongoRepository Namespace](#)

Entity Methods

The [Entity](#) type exposes the following members.

▲ Methods

	Name	Description
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as the default hash function. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

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▲ See Also

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[Entity Class](#)

[MongoRepository Namespace](#)

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IEntity Interface

"Default" Entity interface.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public interface IEntity : IEntity<string>
```

The [IEntity](#) type exposes the following members.

▲ Properties

	Name	Description
	Id	Gets or sets the Id of the Entity. (Inherited from IEntityTKey .)

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▲ Remarks

Entities are assumed to use strings for Id's.

▲ See Also

Reference

[MongoRepository Namespace](#)

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IEntity Properties

The [IEntity](#) type exposes the following members.

▲ Properties

	Name	Description
	Id	Gets or sets the Id of the Entity. (Inherited from IEntityTKey .)

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▲ See Also

Reference

[IEntity Interface](#)

[MongoRepository Namespace](#)

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IEntityTKey Interface

Generic Entity interface.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public interface IEntity<TKey>
```

Type Parameters

TKey

The type used for the entity's Id.

The [IEntityTKey](#) type exposes the following members.

▲ Properties

	Name	Description
	Id	Gets or sets the Id of the Entity.

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▲ See Also

Reference

[MongoRepository Namespace](#)

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IEntityTKey Properties

The [IEntityTKey](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Id	Gets or sets the Id of the Entity.

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▲ See Also

Reference

[IEntityTKey Interface](#)

[MongoRepository Namespace](#)

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IEntityTKeyId Property

Gets or sets the Id of the Entity.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
TKey Id { get; set; }
```

Property Value

Type: [TKey](#)

Id of the Entity.

▲ See Also

Reference

[IEntityTKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT Interface

IRepository definition.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public interface IRepository<T> : IRepository<T,
    IQueryable<T>, IEnumerable<T>, IQueryable<T>
where T : Object, IEntity<string>
```

Type Parameters

T

The type contained in the repository.

The [IRepositoryT](#) type exposes the following members.

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations). (Inherited from IRepositoryT , TKey .)
	ElementType	Gets the type of the element(s) that are returned when the

expression tree associated with this instance of [IQueryable](#) is executed.
(Inherited from [IQueryable](#).)



Expression

Gets the expression tree that is associated with the instance of [IQueryable](#).
(Inherited from [IQueryable](#).)



Provider

Gets the query provider that is associated with this data source.
(Inherited from [IQueryable](#).)

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Methods

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository. (Inherited from IRepositoryT, TKey .)
	Add(T)	Adds the new entity in the repository. (Inherited from IRepositoryT, TKey .)
	Count	Counts the total entities in the repository. (Inherited from IRepositoryT, TKey .)
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the

		predicate. (Inherited from IRepositoryT, TKey.)
	 Delete(T)	Deletes the given entity. (Inherited from IRepositoryT, TKey.)
	 Delete(TKey)	Deletes an entity from the repository by its id. (Inherited from IRepositoryT, TKey.)
	 DeleteAll	Deletes all entities in the repository. (Inherited from IRepositoryT, TKey.)
	 Exists	Checks if the entity exists for given predicate. (Inherited from IRepositoryT, TKey.)
	 GetById	Returns the T by its given id. (Inherited from IRepositoryT, TKey.)
	 GetEnumerator	Returns an enumerator that iterates through the collection. (Inherited from IEnumerableT.)
	 RequestDone	Lets the server know that this thread is done

with a series of related operations.

(Inherited from [IRepositoryT, TKey.](#))



RequestStart

Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements `IDisposable` and can be placed in a using statement (in which case `RequestDone` will be called automatically when leaving the using statement).

(Inherited from [IRepositoryT, TKey.](#))



Update(IEnumerableT)

Upserts the entities. (Inherited from [IRepositoryT, TKey.](#))



Update(T)

Upserts an entity. (Inherited from [IRepositoryT, TKey.](#))

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Remarks

Entities are assumed to use strings for Id's.

▲ See Also

Reference

[MongoRepository Namespace](#)

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IRepositoryT Properties

The [IRepositoryT](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations). (Inherited from IRepositoryT , TKey .)
	ElementType	Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed. (Inherited from IQueryable .)
	Expression	Gets the expression tree that is associated with the instance of IQueryable . (Inherited from IQueryable .)
	Provider	Gets the query provider that is associated with this data source. (Inherited from IQueryable .)

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▲ See Also

Reference

[IRepositoryT Interface](#)
[MongoRepository Namespace](#)

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IRepositoryT Methods

The [IRepositoryT](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository. (Inherited from IRepositoryT, TKey.)
	Add(T)	Adds the new entity in the repository. (Inherited from IRepositoryT, TKey.)
	Count	Counts the total entities in the repository. (Inherited from IRepositoryT, TKey.)
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate. (Inherited from IRepositoryT, TKey.)
	Delete(T)	Deletes the given entity. (Inherited from IRepositoryT, TKey.)

	<code>Delete(TKey)</code>	Deletes an entity from the repository by its id. (Inherited from IRepositoryT, TKey.)
	<code>DeleteAll</code>	Deletes all entities in the repository. (Inherited from IRepositoryT, TKey.)
	<code>Exists</code>	Checks if the entity exists for given predicate. (Inherited from IRepositoryT, TKey.)
	<code>GetById</code>	Returns the T by its given id. (Inherited from IRepositoryT, TKey.)
	<code>GetEnumerator</code>	Returns an enumerator that iterates through the collection. (Inherited from IEnumerableT.)
	<code>RequestDone</code>	Lets the server know that this thread is done with a series of related operations. (Inherited from IRepositoryT, TKey.)
	<code>RequestStart</code>	Lets the server know that this thread is about to begin a series of related operations

that must all occur on the same connection. The return value of this method implements `IDisposable` and can be placed in a using statement (in which case `RequestDone` will be called automatically when leaving the using statement).
(Inherited from [IRepositoryT, TKey.](#))



[Update\(IEnumerableT\)](#)

Upserts the entities.
(Inherited from [IRepositoryT, TKey.](#))



[Update\(T\)](#)

Upserts an entity.
(Inherited from [IRepositoryT, TKey.](#))

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▲ See Also

Reference

[IRepositoryT Interface](#)

[MongoRepository Namespace](#)

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IRepository<T, TKey> Interface

IRepository definition.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public interface IRepository<T, TKey> : IQueryable<T>,
    IEnumerable<T>, IQueryable, IEnumerable<T>
where T : Object, IEntity<TKey>
```

Type Parameters

T

The type contained in the repository.

TKey

The type used for the entity's Id.

The [IRepository<T, TKey>](#) type exposes the following members.

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations).
	ElementType	Gets the type of the element(s) that are returned when the

expression tree associated with this instance of [IQueryable](#) is executed.
(Inherited from [IQueryable](#).)



Expression

Gets the expression tree that is associated with the instance of [IQueryable](#).
(Inherited from [IQueryable](#).)



Provider

Gets the query provider that is associated with this data source.
(Inherited from [IQueryable](#).)

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Methods

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository.
	Add(T)	Adds the new entity in the repository.
	Count	Counts the total entities in the repository.
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate.
	Delete(T)	Deletes the given entity.
	Delete(TKey)	Deletes an entity from

the repository by its id.

	DeleteAll	Deletes all entities in the repository.
	Exists	Checks if the entity exists for given predicate.
	GetById	Returns the T by its given id.
	GetEnumerator	Returns an enumerator that iterates through the collection. (Inherited from IEnumerable<T> .)
	RequestDone	Lets the server know that this thread is done with a series of related operations.
	RequestStart	Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements <code>IDisposable</code> and can be placed in a using statement (in which case <code>RequestDone</code> will be called automatically when leaving the using statement).



[Update\(IEnumerableT\)](#)

Upserts the entities.



[Update\(T\)](#)

Upserts an entity.

[Top](#)

▲ See Also

Reference

[MongoRepository Namespace](#)

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IRepositoryT, TKey Properties

The [IRepositoryT](#), [TKey](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations).
	ElementType	Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed. (Inherited from IQueryable .)
	Expression	Gets the expression tree that is associated with the instance of IQueryable . (Inherited from IQueryable .)
	Provider	Gets the query provider that is associated with this data source. (Inherited from IQueryable .)

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▲ See Also

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[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyCollection Property

Gets the Mongo collection (to perform advanced operations).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
MongoCollection<T> Collection { get; }
```

Property Value

Type: [MongoCollectionT](#)

The Mongo collection (to perform advanced operations).

▲ Remarks

One can argue that exposing this property (and with that, access to it's Database property for instance (which is a "parent")) is not the responsibility of this class. Use of this property is highly discouraged; for most purposes you can use the [MongoRepositoryManager<T>](#)

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKey Methods

The [IRepositoryT](#), [TKey](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository.
	Add(T)	Adds the new entity in the repository.
	Count	Counts the total entities in the repository.
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate.
	Delete(T)	Deletes the given entity.
	Delete(TKey)	Deletes an entity from the repository by its id.
	DeleteAll	Deletes all entities in the repository.
	Exists	Checks if the entity exists for given predicate.
		

	GetById	Returns the T by its given id.
	GetEnumerator	Returns an enumerator that iterates through the collection. (Inherited from IEnumerable<T> .)
	RequestDone	Lets the server know that this thread is done with a series of related operations.
	RequestStart	Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements IDisposable and can be placed in a using statement (in which case RequestDone will be called automatically when leaving the using statement).
	Update(IEnumerable<T>)	Upserts the entities.
	Update(T)	Upserts an entity.

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▲ [See Also](#)

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[IRepositoryT, TKey Interface](#)
[MongoRepository Namespace](#)

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IRepositoryT, TKeyAdd Method

▲ Overload List

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository.
	Add(T)	Adds the new entity in the repository.

[Top](#)

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyAdd Method (IEnumerableT)

Adds the new entities in the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
void Add(  
    IEnumerable<T> entities  
)
```

Parameters

entities

Type: [System.Collections.Generic.IEnumerableT](#)

The entities of type T.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Add Overload](#)

[MongoRepository Namespace](#)

IRepositoryT, TKeyAdd Method (T)

Adds the new entity in the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
T Add(  
    T entity  
)
```

Parameters

entity

Type: [T](#)

The entity to add.

Return Value

Type: [T](#)

The added entity including its new ObjectId.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Add Overload](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyCount Method

Counts the total entities in the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
long Count()
```

Return Value

Type: [Int64](#)

Count of entities in the repository.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryT, TKeyDelete Method

▲ Overload List

	Name	Description
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate.
	Delete(T)	Deletes the given entity.
	Delete(TKey)	Deletes an entity from the repository by its id.

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▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryT, TKeyDelete Method (ExpressionFuncT, Boolean)

Deletes the entities matching the predicate.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void Delete(  
    Expression<Func<T, bool>> predicate  
)
```

Parameters

predicate

Type: [System.Linq.Expressions.ExpressionFuncT](#), [Boolean](#)

The expression.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

Send comments on this topic to [Rob Janssen](#)

IRepositoryT, TKeyDelete Method (T)

Deletes the given entity.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
void Delete(  
    T entity  
)
```

Parameters

entity

Type: [T](#)

The entity to delete.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

IRepositoryT, TKeyDelete Method (TKey)

Deletes an entity from the repository by its id.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

```
C#   VB   C++   F#  
  
void Delete(  
    TKey id  
)
```

[Copy](#)

Parameters

id

Type: [TKey](#)

The entity's id.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

IRepositoryT, TKeyDeleteAll Method

Deletes all entities in the repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
void DeleteAll()
```

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyExists Method

Checks if the entity exists for given predicate.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
bool Exists(  
    Expression<Func<T, bool>> predicate  
)
```

Parameters

predicate

Type: [System.Linq.Expressions.ExpressionFuncT](#), [Boolean](#)

The expression.

Return Value

Type: [Boolean](#)

True when an entity matching the predicate exists, false otherwise.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

Send comments on this topic to [Rob Janssen](#)

IRepositoryT, TKey GetById Method

Returns the T by its given id.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
T GetById(  
    TKey id  
)
```

Parameters

id

Type: [TKey](#)

The value representing the ObjectId of the entity to retrieve.

Return Value

Type: [T](#)

The Entity T.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

Send comments on this topic to [Rob Janssen](#)

IRepositoryT, TKeyRequestDone Method

Lets the server know that this thread is done with a series of related operations.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)
Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void RequestDone()
```

▲ Remarks

Instead of calling this method it is better to put the return value of RequestStart in a using statement.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyRequestStart Method

Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements IDisposable and can be placed in a using statement (in which case RequestDone will be called automatically when leaving the using statement).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
IDisposable RequestStart()
```

Return Value

Type: [IDisposable](#)

A helper object that implements IDisposable and calls RequestDone() from the Dispose method.

▲ Remarks

Sometimes a series of operations needs to be performed on the same connection in order to guarantee correct results. This is rarely the case, and most of the time there is no need to call RequestStart/RequestDone. An example of when this might be necessary is when a series of Inserts are called in rapid succession with SafeMode off, and you want to query that data in a consistent manner immediately thereafter (with SafeMode off the writes can queue up at the server and might not be immediately visible to other

connections). Using `RequestStart` you can force a query to be on the same connection as the writes, so the query won't execute until the server has caught up with the writes. A thread can temporarily reserve a connection from the connection pool by using `RequestStart` and `RequestDone`. You are free to use any other databases as well during the request. `RequestStart` increments a counter (for this thread) and `RequestDone` decrements the counter. The connection that was reserved is not actually returned to the connection pool until the count reaches zero again. This means that calls to `RequestStart/RequestDone` can be nested and the right thing will happen.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyUpdate Method

▲ Overload List

	Name	Description
	Update(IEnumerableT)	Upserts the entities.
	Update(T)	Upserts an entity.

[Top](#)

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryT, TKeyUpdate Method (IEnumerableT)

Upserts the entities.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void Update(  
    IEnumerable<T> entities  
)
```

Parameters

entities

Type: [System.Collections.Generic.IEnumerableT](#)

The entities to update.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Update Overload](#)

[MongoRepository Namespace](#)

IRepositoryT, TKeyUpdate Method (T)

Upserts an entity.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
T Update(  
    T entity  
)
```

Parameters

entity

Type: *T*

The entity.

Return Value

Type: *T*

The updated entity.

▲ See Also

Reference

[IRepositoryT, TKey Interface](#)

[Update Overload](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT Interface

IRepositoryManager definition.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public interface IRepositoryManager<T> : IRepositoryManager
where T : Object, IEntity<string>
```

Type Parameters

T

The type contained in the repository to manage.

The [IRepositoryManagerT](#) type exposes the following members.

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists. (Inherited from IRepositoryManagerT , TKey .)
	Name	Gets the name of the collection as Mongo uses. (Inherited from IRepositoryManagerT ,

TKey.)

[Top](#)

▲ Methods

	Name	Description
	Drop	Drops the repository. (Inherited from IRepositoryManagerT , TKey .)
	DropAllIndexes	Drops all indexes on this repository. (Inherited from IRepositoryManagerT , TKey .)
	DropIndex	Drops specified index on the repository. (Inherited from IRepositoryManagerT , TKey .)
	DropIndexes	Drops specified indexes on the repository. (Inherited from IRepositoryManagerT , TKey .)
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't exist. (Inherited from IRepositoryManagerT ,

TKey.)

 `EnsureIndex(String, Boolean, Boolean, Boolean)` Ensures that the desired index exist and creates it if it doesn't exist. (Inherited from [IRepositoryManagerT, TKey.](#))

 `EnsureIndexes(IEnumerableString)` Ensures that the desired indexes exist and creates them if they don't exist. (Inherited from [IRepositoryManagerT, TKey.](#))

 `EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)` Ensures that the desired indexes exist and creates them if they don't exist. (Inherited from [IRepositoryManagerT, TKey.](#))

 `EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)` Ensures that the desired indexes exist and creates them if they don't exist. (Inherited from [IRepositoryManagerT, TKey.](#))

 `GetIndexes` Gets the indexes for this repository. (Inherited from [IRepositoryManagerT,](#)

TKey.)

	GetStats	Gets stats for this repository. (Inherited from IRepositoryManagerT , TKey .)
	GetTotalDataSize	Gets the total size for the repository (data + indexes). (Inherited from IRepositoryManagerT , TKey .)
	GetTotalStorageSize	Gets the total storage size for the repository (data + indexes). (Inherited from IRepositoryManagerT , TKey .)
	IndexesExists	Tests whether indexes exist. (Inherited from IRepositoryManagerT , TKey .)
	IndexExists	Tests whether indexes exist. (Inherited from IRepositoryManagerT , TKey .)
	IsCapped	Tests whether the repository is capped. (Inherited from IRepositoryManagerT ,

[TKey.](#))



ReIndex

Runs the ReIndex command on this repository.
(Inherited from [IRepositoryManagerT](#), [TKey.](#))



Validate

Validates the integrity of the repository.
(Inherited from [IRepositoryManagerT](#), [TKey.](#))

[Top](#)

▲ Remarks

Entities are assumed to use strings for Id's.

▲ See Also

Reference

[MongoRepository Namespace](#)

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IRepositoryManagerT Properties

The [IRepositoryManagerT](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists. (Inherited from IRepositoryManagerT , TKey .)
	Name	Gets the name of the collection as Mongo uses. (Inherited from IRepositoryManagerT , TKey .)

[Top](#)

▲ See Also

Reference

[IRepositoryManagerT Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT Methods

The [IRepositoryManagerT](#) generic type exposes the following members.

Methods

Name	Description
 Drop	Drops the repository. (Inherited from IRepositoryManagerT, TKey.)
 DropAllIndexes	Drops all indexes on this repository. (Inherited from IRepositoryManagerT, TKey.)
 DropIndex	Drops specified index on the repository. (Inherited from IRepositoryManagerT, TKey.)
 DropIndexes	Drops specified indexes on the repository. (Inherited from IRepositoryManagerT, TKey.)
 EnsureIndex(String)	Ensures that the desired index exist

and creates it if it doesn't exist.
(Inherited from [IRepositoryManagerT, TKey.](#))



[EnsureIndex\(String, Boolean, Boolean, Boolean\)](#)

Ensures that the desired index exist and creates it if it doesn't exist.
(Inherited from [IRepositoryManagerT, TKey.](#))



[EnsureIndexes\(IEnumerableString\)](#)

Ensures that the desired indexes exist and creates them if they don't exist.
(Inherited from [IRepositoryManagerT, TKey.](#))



[EnsureIndexes\(IMongoIndexKeys, IMongoIndexOptions\)](#)

Ensures that the desired indexes exist and creates them if they don't exist.
(Inherited from [IRepositoryManagerT, TKey.](#))



[EnsureIndexes\(IEnumerableString, Boolean, Boolean, Boolean\)](#)

Ensures that the desired indexes exist and creates them if they don't exist.
(Inherited from [IRepositoryManagerT, TKey.](#))

	GetIndexes	Gets the indexes for this repository. (Inherited from IRepositoryManagerT, TKey.)
	GetStats	Gets stats for this repository. (Inherited from IRepositoryManagerT, TKey.)
	GetTotalDataSize	Gets the total size for the repository (data + indexes). (Inherited from IRepositoryManagerT, TKey.)
	GetTotalStorageSize	Gets the total storage size for the repository (data + indexes). (Inherited from IRepositoryManagerT, TKey.)
	IndexesExists	Tests whether indexes exist. (Inherited from IRepositoryManagerT, TKey.)
	IndexExists	Tests whether indexes exist. (Inherited from IRepositoryManagerT, TKey.)



IsCapped

Tests whether the repository is capped. (Inherited from [IRepositoryManagerT](#), [TKey](#).)



ReIndex

Runs the ReIndex command on this repository. (Inherited from [IRepositoryManagerT](#), [TKey](#).)



Validate

Validates the integrity of the repository. (Inherited from [IRepositoryManagerT](#), [TKey](#).)

[Top](#)

▲ See Also

Reference

[IRepositoryManagerT Interface](#)
[MongoRepository Namespace](#)

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IRepositoryManagerT, TKey Interface

IRepositoryManager definition.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public interface IRepositoryManager<T, TKey>  
where T : Object, IEntity<TKey>
```

Type Parameters

T

The type contained in the repository to manage.

TKey

The type used for the entity's Id.

The [IRepositoryManagerT, TKey](#) type exposes the following members.

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists.
	Name	Gets the name of the collection as Mongo uses.

[Top](#)

▲ Methods

	Name	Description
	Drop	Drops the repository.
	DropAllIndexes	Drops all indexes on this repository.
	DropIndex	Drops specified index on the repository.
	DropIndexes	Drops specified indexes on the repository.
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't exist.
	EnsureIndex(String, Boolean, Boolean, Boolean)	Ensures that the desired index exist and creates it if it doesn't exist.

	<code>EnsureIndexes(IEnumerableString)</code>	Ensures that the desired indexes exist and creates them if they don't exist.
	<code>EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)</code>	Ensures that the desired indexes exist and creates them if they don't exist.
	<code>EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)</code>	Ensures that the desired indexes exist and creates them if they don't exist.
	<code>GetIndexes</code>	Gets the indexes for this repository.
	<code>GetStats</code>	Gets stats for this repository.
	<code>GetTotalDataSize</code>	Gets the total size for the repository (data + indexes).

	GetTotalStorageSize	Gets the total storage size for the repository (data + indexes).
	IndexesExists	Tests whether indexes exist.
	IndexExists	Tests whether indexes exist.
	IsCapped	Tests whether the repository is capped.
	ReIndex	Runs the ReIndex command on this repository.
	Validate	Validates the integrity of the repository.

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▲ See Also

Reference

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKey Properties

The [IRepositoryManagerT, TKey](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists.
	Name	Gets the name of the collection as Mongo uses.

[Top](#)

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyExists Property

Gets a value indicating whether the collection already exists.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
bool Exists { get; }
```

Property Value

Type: [Boolean](#)

Returns true when the collection already exists, false otherwise.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyName Property

Gets the name of the collection as Mongo uses.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
string Name { get; }
```

Property Value

Type: [String](#)

The name of the collection as Mongo uses.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKey

Methods

The [IRepositoryManagerT, TKey](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Drop	Drops the repository.
	DropAllIndexes	Drops all indexes on this repository.
	DropIndex	Drops specified index on the repository.
	DropIndexes	Drops specified indexes on the repository.
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't

exist.



`EnsureIndex(String, Boolean, Boolean, Boolean)`

Ensures that the desired index exist and creates it if it doesn't exist.



`EnsureIndexes(IEnumerableString)`

Ensures that the desired indexes exist and creates them if they don't exist.



`EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)`

Ensures that the desired indexes exist and creates them if they don't exist.



`EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)`

Ensures that the desired indexes exist and creates them if they don't exist.



`GetIndexes`

Gets the indexes for this repository.



`GetStats`

Gets stats for this repository.



GetTotalDataSize

Gets the total size for the repository (data + indexes).



GetTotalStorageSize

Gets the total storage size for the repository (data + indexes).



IndexesExists

Tests whether indexes exist.



IndexExists

Tests whether indexes exist.



IsCapped

Tests whether the repository is capped.



ReIndex

Runs the ReIndex command on this repository.



Validate

Validates the integrity of

the
repository.

[Top](#)

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyDrop Method

Drops the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
void Drop()
```

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyDropAllIndexes Method

Drops all indexes on this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
void DropAllIndexes()
```

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKey DropIndex Method

Drops specified index on the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void DropIndex(  
    string keyname  
)
```

Parameters

keyname

Type: [SystemString](#)

The name of the indexed field.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyDropIndexes Method

Drops specified indexes on the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void DropIndexes(  
    IEnumerable<string> keynames  
)
```

Parameters

keynames

Type: [System.Collections.Generic.IEnumerableString](#)

The names of the indexed fields.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyEnsureIndex Method

▲ Overload List

	Name	Description
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't exist.
	EnsureIndex(String, Boolean, Boolean, Boolean)	Ensures that the desired index exist and creates it if it doesn't exist.

[Top](#)

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyEnsureIndex Method (String)

Ensures that the desired index exist and creates it if it doesn't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void EnsureIndex(  
    string keyname  
)
```

Parameters

keyname

Type: [SystemString](#)

The indexed field.

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`. Index will be ascending order, non-unique, non-sparse.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)
[EnsureIndex Overload](#)
[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyEnsureIndex Method (String, Boolean, Boolean, Boolean)

Ensures that the desired index exist and creates it if it doesn't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void EnsureIndex(  
    string keyname,  
    bool descending,  
    bool unique,  
    bool sparse  
)
```

Parameters

keyname

Type: [SystemString](#)

The indexed field.

descending

Type: [SystemBoolean](#)

Set to true to make index descending, false for ascending.

unique

Type: [SystemBoolean](#)

Set to true to ensure index enforces unique values.

sparse

Type: [SystemBoolean](#)

Set to true to specify the index is sparse.

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[EnsureIndex Overload](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyEnsureIndexes Method

▲ Overload List

	Name	Description
	EnsureIndexes(IEnumerableString)	Ensures that the desired indexes exist and creates them if they don't exist.
	EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)	Ensures that the desired indexes exist and creates them if they don't exist.
	EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)	Ensures that the desired indexes exist and creates them if they don't exist.

[Top](#)

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)
[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyEnsureIndexes Method (IEnumerableString)

Ensures that the desired indexes exist and creates them if they don't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void EnsureIndexes(  
    IEnumerable<string> keynames  
)
```

Parameters

keynames

Type: [System.Collections.Generic.IEnumerableString](#)

The indexed fields.

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`. Index will be ascending order, non-unique, non-sparse.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[EnsureIndexes Overload](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyEnsureIndexes Method (IMongoIndexKeys, IMongoIndexOptions)

Ensures that the desired indexes exist and creates them if they don't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void EnsureIndexes(  
    IMongoIndexKeys keys,  
    IMongoIndexOptions options  
)
```

Parameters

keys

Type: **IMongoIndexKeys**

The indexed fields.

options

Type: **IMongoIndexOptions**

The index options.

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`. Index will be ascending order, non-unique, non-sparse.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[EnsureIndexes Overload](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyEnsureIndexes Method (IEnumerableString, Boolean, Boolean, Boolean)

Ensures that the desired indexes exist and creates them if they don't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
void EnsureIndexes(  
    IEnumerable<string> keynames,  
    bool descending,  
    bool unique,  
    bool sparse  
)
```

Parameters

keynames

Type: [System.Collections.GenericIEnumerableString](#)

The indexed fields.

descending

Type: [SystemBoolean](#)

Set to true to make index descending, false for ascending.

unique

Type: [SystemBoolean](#)

Set to true to ensure index enforces unique values.

sparse

Type: [SystemBoolean](#)

Set to true to specify the index is sparse.

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[EnsureIndexes Overload](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyGetIndexes Method

Gets the indexes for this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
GetIndexesResult GetIndexes()
```

Return Value

Type: **GetIndexesResult**

Returns the indexes for this repository.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyGetStats Method

Gets stats for this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
CollectionStatsResult GetStats()
```

Return Value

Type: **CollectionStatsResult**

Returns a CollectionStatsResult.

▲ Remarks

You will need to reference MongoDB.Driver.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyGetTotalDataSize Method

Gets the total size for the repository (data + indexes).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
long GetTotalDataSize()
```

Return Value

Type: [Int64](#)

Returns total size for the repository (data + indexes).

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyGetTotalStorageSize Method

Gets the total storage size for the repository (data + indexes).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
long GetTotalStorageSize()
```

Return Value

Type: [Int64](#)

Returns total storage size for the repository (data + indexes).

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyIndexesExists Method

Tests whether indexes exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
bool IndexesExists(  
    IEnumerable<string> keynames  
)
```

Parameters

keynames

Type: [System.Collections.Generic.IEnumerableString](#)

The indexed fields.

Return Value

Type: [Boolean](#)

Returns true when the indexes exist, false otherwise.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

Send comments on this topic to [Rob Janssen](#)

IRepositoryManagerT, TKeyIndexExists Method

Tests whether indexes exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
bool IndexExists(  
    string keyname  
)
```

Parameters

keyname

Type: [SystemString](#)

The indexed fields.

Return Value

Type: [Boolean](#)

Returns true when the indexes exist, false otherwise.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyIsCapped Method

Tests whether the repository is capped.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
bool IsCapped()
```

Return Value

Type: [Boolean](#)

Returns true when the repository is capped, false otherwise.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

IRepositoryManagerT, TKeyReIndex Method

Runs the ReIndex command on this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
void ReIndex()
```

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

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IRepositoryManagerT, TKeyValidate Method

Validates the integrity of the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
ValidateCollectionResult Validate()
```

Return Value

Type: **ValidateCollectionResult**

Returns a ValidateCollectionResult.

▲ Remarks

You will need to reference MongoDB.Driver.

▲ See Also

Reference

[IRepositoryManagerT, TKey Interface](#)

[MongoRepository Namespace](#)

MongoRepositoryT Class

Deals with entities in MongoDB.

▲ Inheritance Hierarchy

[SystemObject](#) [MongoRepository](#)[MongoRepositoryT](#), [String](#)
[MongoRepository](#)[MongoRepositoryT](#)

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public class MongoRepository<T> : MongoRepository
    IRepository<T>, IRepository<T, string>, I
    IQueryable, IEnumerable
where T : Object, IEntity<string>
```

Type Parameters

T

The type contained in the repository.

The [MongoRepositoryT](#) type exposes the following members.

▲ Constructors

Name	Description
 MongoRepositoryT	Initializes a new instance of the

MongoRepository class. Uses the Default App/Web.Config connectionstrings to fetch the connectionString and Database name.

	MongoRepositoryT(MongoUrl)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT(String)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT(MongoUrl, String)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT(String, String)	Initializes a new instance of the MongoRepository class.

[Top](#)

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations).

(Inherited from [MongoRepositoryT, TKey.](#))



CollectionName

Gets the name of the collection
(Inherited from [MongoRepositoryT, TKey.](#))



ElementType

Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed.
(Inherited from [MongoRepositoryT, TKey.](#))



Expression

Gets the expression tree that is associated with the instance of IQueryable.
(Inherited from [MongoRepositoryT, TKey.](#))



Provider

Gets the query provider that is associated with this data source.
(Inherited from [MongoRepositoryT, TKey.](#))

[Top](#)

▲ Methods

Name	Description
 Add(IEnumerableT)	Adds the new entities in the repository. (Inherited from MongoRepositoryT, TKey.)

	<code>Add(T)</code>	Adds the new entity in the repository. (Inherited from MongoRepositoryT, TKey.)
	<code>Count</code>	Counts the total entities in the repository. (Inherited from MongoRepositoryT, TKey.)
	<code>Delete(ObjectId)</code>	Deletes an entity from the repository by its ObjectId. (Inherited from MongoRepositoryT, TKey.)
	<code>Delete(ExpressionFuncT, Boolean)</code>	Deletes the entities matching the predicate. (Inherited from MongoRepositoryT, TKey.)
	<code>Delete(TKey)</code>	Deletes an entity from the repository by its id. (Inherited from MongoRepositoryT, TKey.)
	<code>DeleteAll</code>	Deletes all entities in the repository. (Inherited from MongoRepositoryT,

TKey.)

	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object .)
	Exists	Checks if the entity exists for given predicate. (Inherited from MongoRepositoryT , TKey .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetById(ObjectId)	Returns the T by its given id. (Inherited from MongoRepositoryT , TKey .)
	GetById(TKey)	Returns the T by its given id. (Inherited from MongoRepositoryT , TKey .)
	GetEnumerator	Returns an enumerator that iterates through a collection.

		(Inherited from MongoRepositoryT , TKey .)
	GetHashCode	Serves as the default hash function. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	RequestDone	Lets the server know that this thread is done with a series of related operations. (Inherited from MongoRepositoryT , TKey .)
	RequestStart	Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements IDisposable and can be placed in a using statement (in which case RequestDone will be called automatically

when leaving the using statement).
(Inherited from [MongoRepositoryT, TKey.](#))

	ToString	Returns a string that represents the current object. (Inherited from Object.)
	Update(IEnumerableT)	Upserts the entities. (Inherited from MongoRepositoryT, TKey.)
	Update(T)	Upserts an entity. (Inherited from MongoRepositoryT, TKey.)

[Top](#)

▲ Fields

	Name	Description
	collection	MongoCollection field. (Inherited from MongoRepositoryT, TKey.)

[Top](#)

▲ Remarks

Entities are assumed to use strings for Id's.

▲ See Also

Reference

[MongoRepository Namespace](#)

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MongoRepositoryT Constructor

▲ Overload List

Name	Description
 MongoRepositoryT	Initializes a new instance of the <code>MongoRepository</code> class. Uses the <code>DefaultApp/Web.Config</code> connectionstrings to fetch the <code>connectionString</code> and <code>Database</code> name.
 MongoRepositoryT(MongoUrl)	Initializes a new instance of the <code>MongoRepository</code> class.
 MongoRepositoryT(String)	Initializes a new instance of the <code>MongoRepository</code> class.
 MongoRepositoryT(MongoUrl, String)	Initializes a new instance of the <code>MongoRepository</code> class.
 MongoRepositoryT(String,	Initializes a new

[String\)](#)

instance of the
MongoRepository
class.

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▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT Constructor

Initializes a new instance of the MongoRepository class. Uses the Default App/Web.Config connectionstrings to fetch the connectionString and Database name.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepository()
```

▲ Remarks

Default constructor defaults to "MongoServerSettings" key for connectionString.

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepositoryT Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT Constructor (MongoUrl)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public MongoRepository(  
    MongoUrl url  
)
```

Parameters

url

Type: **MongoUrl**

Url to use for connecting to MongoDB.

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepositoryT Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryT Constructor (String)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public MongoRepository(  
    string connectionString  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepositoryT Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryT Constructor (MongoUrl, String)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepository(  
    MongoUrl url,  
    string collectionName  
)
```

Parameters

url

Type: **MongoUrl**

Url to use for connecting to MongoDB.

collectionName

Type: [SystemString](#)

The name of the collection to use.

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepositoryT Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT Constructor (String, String)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepository(  
    string connectionString,  
    string collectionName  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

collectionName

Type: [SystemString](#)

The name of the collection to use.

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepositoryT Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT Properties

The [MongoRepositoryT](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations). (Inherited from MongoRepositoryT, TKey.)
	CollectionName	Gets the name of the collection (Inherited from MongoRepositoryT, TKey.)
	ElementType	Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed. (Inherited from MongoRepositoryT, TKey.)
	Expression	Gets the expression tree that is associated with the instance of IQueryable. (Inherited from MongoRepositoryT, TKey.)
	Provider	Gets the query provider that is associated with this data source.

(Inherited from
[MongoRepositoryT, TKey.](#))

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▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT Methods

The [MongoRepositoryT](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository. (Inherited from MongoRepositoryT , TKey .)
	Add(T)	Adds the new entity in the repository. (Inherited from MongoRepositoryT , TKey .)
	Count	Counts the total entities in the repository. (Inherited from MongoRepositoryT , TKey .)
	Delete(ObjectId)	Deletes an entity from the repository by its ObjectId. (Inherited from MongoRepositoryT , TKey .)
		

	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate. (Inherited from MongoRepositoryT, TKey.)
	Delete(TKey)	Deletes an entity from the repository by its id. (Inherited from MongoRepositoryT, TKey.)
	DeleteAll	Deletes all entities in the repository. (Inherited from MongoRepositoryT, TKey.)
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object.)
	Exists	Checks if the entity exists for given predicate. (Inherited from MongoRepositoryT, TKey.)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection.

(Inherited from [Object](#).)



[GetById\(ObjectId\)](#)

Returns the T by its given id.
(Inherited from [MongoRepositoryT](#), [TKey](#).)



[GetById\(TKey\)](#)

Returns the T by its given id.
(Inherited from [MongoRepositoryT](#), [TKey](#).)



[GetEnumerator](#)

Returns an enumerator that iterates through a collection.
(Inherited from [MongoRepositoryT](#), [TKey](#).)



[GetHashCode](#)

Serves as the default hash function.
(Inherited from [Object](#).)



[GetType](#)

Gets the [Type](#) of the current instance.
(Inherited from [Object](#).)



[MemberwiseClone](#)

Creates a shallow copy of the current [Object](#).
(Inherited from [Object](#).)



[RequestDone](#)

Lets the server know that this thread is done with a series of related operations.

(Inherited from [MongoRepositoryT](#), [TKey](#).)



RequestStart

Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements `IDisposable` and can be placed in a `using` statement (in which case `RequestDone` will be called automatically when leaving the `using` statement).
(Inherited from [MongoRepositoryT](#), [TKey](#).)



ToString

Returns a string that represents the current object.
(Inherited from [Object](#).)



Update(IEnumerableT)

Upserts the entities.
(Inherited from [MongoRepositoryT](#), [TKey](#).)



Update(T)

Upserts an entity.
(Inherited from [MongoRepositoryT](#), [TKey](#).)

[Top](#)

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT Fields

The [MongoRepositoryT](#) generic type exposes the following members.

▲ Fields

	Name	Description
	collection	MongoCollection field. (Inherited from MongoRepositoryT , TKey .)

[Top](#)

▲ See Also

Reference

[MongoRepositoryT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKey Class

Deals with entities in MongoDB.

▲ Inheritance Hierarchy

[SystemObject](#) [MongoRepository](#) [MongoRepositoryT, TKey](#)
[MongoRepository](#) [MongoRepositoryT](#)

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public class MongoRepository<T, TKey> : IRepository<T>,
    IQueryable<T>, IEnumerable<T>, IQueryable<T>
where T : Object, IEntity<TKey>
```

Type Parameters

T

The type contained in the repository.

TKey

The type used for the entity's Id.

The [MongoRepositoryT, TKey](#) type exposes the following members.

▲ Constructors

Name	Description
------	-------------



	MongoRepositoryT, TKey	Initializes a new instance of the MongoRepository class. Uses the Default App/Web.Config connectionstrings to fetch the connectionString and Database name.
	MongoRepositoryT, TKey(MongoUrl)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT, TKey(String)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT, TKey(MongoUrl, String)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT, TKey(String, String)	Initializes a new instance of the MongoRepository class.

[Top](#)

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations).
	CollectionName	Gets the name of the collection
	ElementType	Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed.

	Expression	Gets the expression tree that is associated with the instance of IQueryable.
	Provider	Gets the query provider that is associated with this data source.

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▲ Methods

	Name	Description
	Add(IEnumerable T)	Adds the new entities in the repository.
	Add(T)	Adds the new entity in the repository.
	Count	Counts the total entities in the repository.
	Delete(ObjectId)	Deletes an entity from the repository by its ObjectId.
	Delete(ExpressionFunc T, Boolean)	Deletes the entities matching the predicate.
	Delete(T)	Deletes the given entity.
	Delete(TKey)	Deletes an entity from the repository by its id.

	DeleteAll	Deletes all entities in the repository.
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object .)
	Exists	Checks if the entity exists for given predicate.
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetById(ObjectId)	Returns the T by its given id.
	GetById(TKey)	Returns the T by its given id.
	GetEnumerator	Returns an enumerator that iterates through a collection.
	GetHashCode	Serves as the default hash function. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)

	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	RequestDone	Lets the server know that this thread is done with a series of related operations.
	RequestStart	Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements IDisposable and can be placed in a using statement (in which case RequestDone will be called automatically when leaving the using statement).
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	Update(IEnumerableT)	Upserts the entities.
	Update(T)	Upserts an entity.

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▲ Fields

	Name	Description
	collection	MongoCollection field.

[Top](#)

▲ See Also

Reference

[MongoRepository Namespace](#)

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MongoRepositoryT, TKey Constructor

▲ Overload List

	Name	Description
	MongoRepositoryT, TKey	Initializes a new instance of the MongoRepository class. Uses the Default App/Web.Config connectionstrings to fetch the connectionString and Database name.
	MongoRepositoryT, TKey(MongoUrl)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT, TKey(String)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT, TKey(MongoUrl, String)	Initializes a new instance of the MongoRepository class.
	MongoRepositoryT, TKey(String, String)	Initializes a new instance of the MongoRepository class.

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▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKey Constructor

Initializes a new instance of the MongoRepository class. Uses the Default App/Web.Config connectionstrings to fetch the connectionString and Database name.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepository()
```

▲ Remarks

Default constructor defaults to "MongoServerSettings" key for connectionString.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepositoryT, TKey Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKey Constructor (MongoUrl)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public MongoRepository(  
    MongoUrl url  
)
```

Parameters

url

Type: **MongoUrl**

Url to use for connecting to MongoDB.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepositoryT, TKey Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKey Constructor (String)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public MongoRepository(  
    string connectionString  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepositoryT, TKey Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKey Constructor (MongoUrl, String)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepository(  
    MongoUrl url,  
    string collectionName  
)
```

Parameters

url

Type: **MongoUrl**

Url to use for connecting to MongoDB.

collectionName

Type: [SystemString](#)

The name of the collection to use.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepositoryT, TKey Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKey Constructor (String, String)

Initializes a new instance of the MongoRepository class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepository(  
    string connectionString,  
    string collectionName  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

collectionName

Type: [SystemString](#)

The name of the collection to use.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepositoryT, TKey Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKey

Properties

The [MongoRepositoryT, TKey](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Collection	Gets the Mongo collection (to perform advanced operations).
	CollectionName	Gets the name of the collection
	ElementType	Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed.
	Expression	Gets the expression tree that is associated with the instance of IQueryable.
	Provider	Gets the query provider that is associated with this data source.

[Top](#)

▲ See Also

Reference

MongoRepositoryT, TKey Class
MongoRepository Namespace

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MongoRepositoryT, TKeyCollection Property

Gets the Mongo collection (to perform advanced operations).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public MongoCollection<T> Collection { get; }
```

Property Value

Type: [MongoCollectionT](#)

The Mongo collection (to perform advanced operations).

Implements

[IRepositoryT](#), [TKeyCollection](#)

▲ Remarks

One can argue that exposing this property (and with that, access to its Database property for instance (which is a "parent")) is not the responsibility of this class. Use of this property is highly discouraged; for most purposes you can use the [MongoRepositoryManager<T>](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyCollectionName Property

Gets the name of the collection

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public string CollectionName { get; }
```

Property Value

Type: [String](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyType Property

Gets the type of the element(s) that are returned when the expression tree associated with this instance of IQueryable is executed.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))
Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# **VB** **C++** **F#**

[Copy](#)

```
public virtual Type ElementType { get; }
```

Property Value

Type: [Type](#)

Implements

[IQueryableElementType](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKeyExpression Property

Gets the expression tree that is associated with the instance of IQueryable.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)
Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# **VB** **C++** **F#**

[Copy](#)

```
public virtual Expression Expression { get; }
```

Property Value

Type: [Expression](#)

Implements

[IQueryableExpression](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKeyProvider Property

Gets the query provider that is associated with this data source.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual IQueryProvider Provider { get; }
```

Property Value

Type: [IQueryProvider](#)

Implements

[IQueryableProvider](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKey

Methods

The [MongoRepositoryT, TKey](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository.
	Add(T)	Adds the new entity in the repository.
	Count	Counts the total entities in the repository.
	Delete(ObjectId)	Deletes an entity from the repository by its ObjectId.
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate.
	Delete(T)	Deletes the given entity.
	Delete(TKey)	Deletes an entity from the repository by its id.
		

	DeleteAll	Deletes all entities in the repository.
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object .)
	Exists	Checks if the entity exists for given predicate.
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetById(ObjectId)	Returns the T by its given id.
	GetById(TKey)	Returns the T by its given id.
	GetEnumerator	Returns an enumerator that iterates through a collection.
	GetHashCode	Serves as the default hash function. (Inherited from Object .)
	GetType	Gets the Type of the current instance.

		(Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	RequestDone	Lets the server know that this thread is done with a series of related operations.
	RequestStart	Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements IDisposable and can be placed in a using statement (in which case RequestDone will be called automatically when leaving the using statement).
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	Update(IEnumerableT)	Upserts the entities.
	Update(T)	Upserts an entity.

[Top](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyAdd Method

▲ Overload List

	Name	Description
	Add(IEnumerableT)	Adds the new entities in the repository.
	Add(T)	Adds the new entity in the repository.

[Top](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyAdd Method (IEnumerableT)

Adds the new entities in the repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void Add(  
    IEnumerable<T> entities  
)
```

Parameters

entities

Type: [System.Collections.Generic.IEnumerableT](#)

The entities of type T.

Implements

[IRepositoryT](#), [TKeyAdd\(IEnumerableT\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Add Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyAdd Method (T)

Adds the new entity in the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual T Add(  
    T entity  
)
```

Parameters

entity

Type: *T*

The entity T.

Return Value

Type: *T*

The added entity including its new ObjectId.

Implements

[IRepositoryT, TKeyAdd\(T\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Add Overload](#)

MongoRepository Namespace

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MongoRepositoryT, TKeyCount Method

Counts the total entities in the repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual long Count()
```

Return Value

Type: [Int64](#)

Count of entities in the collection.

Implements

[IRepositoryT](#), [TKeyCount](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKeyDelete Method

▲ Overload List

	Name	Description
	Delete(ObjectId)	Deletes an entity from the repository by its ObjectId.
	Delete(ExpressionFuncT, Boolean)	Deletes the entities matching the predicate.
	Delete(T)	Deletes the given entity.
	Delete(TKey)	Deletes an entity from the repository by its id.

[Top](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyDelete Method (ObjectId)

Deletes an entity from the repository by its ObjectId.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void Delete(  
    ObjectId id  
)
```

Parameters

id

Type: **ObjectId**

The ObjectId of the entity.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKeyDelete Method (ExpressionFuncT, Boolean)

Deletes the entities matching the predicate.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void Delete(  
    Expression<Func<T, bool>> predicate  
)
```

Parameters

predicate

Type: [System.Linq.Expressions.ExpressionFuncT](#), [Boolean](#)

The expression.

Implements

[IRepositoryT](#), [TKeyDelete\(ExpressionFuncT, Boolean\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyDelete Method (T)

Deletes the given entity.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void Delete(  
    T entity  
)
```

Parameters

entity

Type: *T*

The entity to delete.

Implements

[IRepositoryT](#), [TKeyDelete\(T\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyDelete Method (TKey)

Deletes an entity from the repository by its id.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void Delete(  
    TKey id  
)
```

Parameters

id

Type: [TKey](#)

The entity's id.

Implements

[IRepositoryT](#), [TKeyDelete\(TKey\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Delete Overload](#)

[MongoRepository Namespace](#)

Send comments on this topic to [Rob Janssen](#)

MongoRepositoryT, TKeyDeleteAll Method

Deletes all entities in the repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void DeleteAll()
```

Implements

[IRepositoryT](#), [TKeyDeleteAll](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyExists Method

Checks if the entity exists for given predicate.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual bool Exists(  
    Expression<Func<T, bool>> predicate  
)
```

Parameters

predicate

Type: [System.Linq.Expressions.ExpressionFuncT](#), [Boolean](#)

The expression.

Return Value

Type: [Boolean](#)

True when an entity matching the predicate exists, false otherwise.

Implements

[IRepositoryT, TKeyExists\(ExpressionFuncT, Boolean\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyGetById Method

▲ Overload List

	Name	Description
	GetById(ObjectId)	Returns the T by its given id.
	GetById(TKey)	Returns the T by its given id.

[Top](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyGetById Method (ObjectId)

Returns the T by its given id.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual T GetById(  
    ObjectId id  
)
```

Parameters

id

Type: **ObjectId**

The Id of the entity to retrieve.

Return Value

Type: *T*

The Entity T.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[GetById Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyGetById Method (TKey)

Returns the T by its given id.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual T GetById(  
    TKey id  
)
```

Parameters

id

Type: [TKey](#)

The Id of the entity to retrieve.

Return Value

Type: [T](#)

The Entity T.

Implements

[IRepositoryT](#), [TKeyGetById\(TKey\)](#)

▲ See Also

Reference

[MongoRepositoryT](#), [TKey Class](#)

[GetById Overload](#)

MongoRepository Namespace

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MongoRepositoryT, TKeyGetEnumerator Method

Returns an enumerator that iterates through a collection.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual IEnumerable<T> GetEnumerator()
```

Return Value

Type: [IEnumeratorT](#)

An [IEnumerator<T>](#) object that can be used to iterate through the collection.

Implements

[IEnumerableTGetEnumerator](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKeyRequestDone Method

Lets the server know that this thread is done with a series of related operations.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# **VB** **C++** **F#**

[Copy](#)

```
public virtual void RequestDone()
```

Implements

[IRepositoryT](#), [TKeyRequestDone](#)

▲ Remarks

Instead of calling this method it is better to put the return value of RequestStart in a using statement.

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryT, TKeyRequestStart Method

Lets the server know that this thread is about to begin a series of related operations that must all occur on the same connection. The return value of this method implements IDisposable and can be placed in a using statement (in which case RequestDone will be called automatically when leaving the using statement).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual IDisposable RequestStart()
```

Return Value

Type: [IDisposable](#)

A helper object that implements IDisposable and calls RequestDone() from the Dispose method.

Implements

[IRepositoryT](#), [TKeyRequestStart](#)

▲ Remarks

Sometimes a series of operations needs to be performed on the same connection in order to guarantee correct results. This is rarely the case, and most of the time there is no need to call RequestStart/RequestDone. An example of when this might be necessary is when a series of Inserts are called in rapid succession with SafeMode off, and you want to query that data in a consistent manner immediately thereafter (with SafeMode off the writes can

queue up at the server and might not be immediately visible to other connections). Using `RequestStart` you can force a query to be on the same connection as the writes, so the query won't execute until the server has caught up with the writes.

A thread can temporarily reserve a connection from the connection pool by using `RequestStart` and `RequestDone`. You are free to use any other databases as well during the request. `RequestStart` increments a counter (for this thread) and `RequestDone` decrements the counter. The connection that was reserved is not actually returned to the connection pool until the count reaches zero again. This means that calls to `RequestStart/RequestDone` can be nested and the right thing will happen.

Use the connectionstring to specify the readpreference; add "readPreference=X" where X is one of the following values: primary, primaryPreferred, secondary, secondaryPreferred, nearest. See <http://docs.mongodb.org/manual/applications/replication/#read-preference>

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)
[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyUpdate Method

▲ Overload List

	Name	Description
	Update(IEnumerableT)	Upserts the entities.
	Update(T)	Upserts an entity.

[Top](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyUpdate Method (IEnumerableT)

Upserts the entities.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void Update(  
    IEnumerable<T> entities  
)
```

Parameters

entities

Type: [System.Collections.Generic.IEnumerableT](#)

The entities to update.

Implements

[IRepositoryT](#), [TKeyUpdate\(IEnumerableT\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Update Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeyUpdate Method (T)

Upserts an entity.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual T Update(  
    T entity  
)
```

Parameters

entity

Type: *T*

The entity.

Return Value

Type: *T*

The updated entity.

Implements

[IRepositoryT, TKeyUpdate\(T\)](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[Update Overload](#)

MongoRepository Namespace

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MongoRepositoryT, TKey Fields

The [MongoRepositoryT](#), [TKey](#) generic type exposes the following members.

▲ Fields

	Name	Description
	collection	MongoCollection field.

[Top](#)

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryT, TKeycollection Field

MongoCollection field.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
protected internal MongoCollection<T> collection
```

Field Value

Type: **MongoCollectionT**

▲ See Also

Reference

[MongoRepositoryT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT

Class

Deals with the collections of entities in MongoDB. This class tries to hide as much MongoDB-specific details as possible but it's not 100% *yet*. It is a very thin wrapper around most methods on MongoDB's `MongoCollection` objects.

▲ Inheritance Hierarchy

[SystemObject](#) [MongoRepositoryMongoRepositoryManagerT](#), [String](#)
[MongoRepositoryMongoRepositoryManagerT](#)

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public class MongoRepositoryManager<T> : MongoRepositoryManager<T>, IRepositoryManager<T>, IRepositoryManager<T>  
where T : Object, IEntity<string>
```

Type Parameters

T

The type contained in the repository to manage.

The [MongoRepositoryManagerT](#) type exposes the following members.

▲ Constructors

Name	Description
 MongoRepositoryManagerT	Initializes a new instance of the MongoRepositoryManager class. Uses the DefaultApp/Web.Config connectionstrings to find the connectionString and Database name.
 MongoRepositoryManagerT(String)	Initializes a new instance of the MongoRepositoryManager class.
 MongoRepositoryManagerT(String, String)	Initializes a new instance of the MongoRepositoryManager class.

[Top](#)

▲ Properties

Name	Description
 Exists	Gets a value indicating whether the collection already exists. (Inherited from MongoRepositoryManagerT, TKey.)
 Name	Gets the name of the collection as Mongo uses. (Inherited from MongoRepositoryManagerT, TKey.)

[Top](#)

▲ Methods

	Name	Description
	Drop	Drops the collection. (Inherited from MongoRepositoryManager TKey.)
	DropAllIndexes	Drops all indexes on the repository. (Inherited from MongoRepositoryManager TKey.)
	DropIndex	Drops specified index from the repository. (Inherited from MongoRepositoryManager TKey.)
	DropIndexes	Drops specified indexes from the repository. (Inherited from MongoRepositoryManager TKey.)
	EnsureIndex(String)	Ensures that the desired index exists and creates it if it doesn't exist. (Inherited from MongoRepositoryManager TKey.)
	EnsureIndex(String, Boolean, Boolean, Boolean)	Ensures that the desired index exists and creates it if it doesn't exist.

		(Inherited from MongoRepositoryManager.Key .)
	EnsureIndexes(IEnumerableString)	Ensures that the desired indexes exist and creates them if they don't exist. (Inherited from MongoRepositoryManager.Key .)
	EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)	Ensures that the desired indexes exist and creates them if they don't exist. (Inherited from MongoRepositoryManager.Key .)
	EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)	Ensures that the desired indexes exist and creates them if they don't exist. (Inherited from MongoRepositoryManager.Key .)
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as the default hash function for a type.

function.
(Inherited from [Object](#))



GetIndexes

Gets the indexes for the repository.
(Inherited from [MongoRepositoryManager.Key](#).)



GetStats

Gets stats for this repository.
(Inherited from [MongoRepositoryManager.Key](#).)



GetTotalDataSize

Obsolete.
Gets the total size for repository (data + indexes).
(Inherited from [MongoRepositoryManager.Key](#).)



GetTotalStorageSize

Obsolete.
Gets the total storage for the repository (data + indexes).
(Inherited from [MongoRepositoryManager.Key](#).)



GetType

Gets the [Type](#) of the current instance.
(Inherited from [Object](#))



IndexesExists

Tests whether indexes exist.
(Inherited from [MongoRepositoryManager.Key](#).)

	IndexExists	Tests whether indexes exist. (Inherited from MongoRepositoryManager.Key .)
	IsCapped	Tests whether the repository is capped. (Inherited from MongoRepositoryManager.Key .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ReIndex	Runs the ReIndex command on this repository. (Inherited from MongoRepositoryManager.Key .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	Validate	Validates the integrity of the repository. (Inherited from MongoRepositoryManager.Key .)

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Remarks

Entities are assumed to use strings for Id's.

▲ See Also

Reference

[MongoRepository Namespace](#)

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MongoRepositoryManagerT Constructor

▲ Overload List

Name	Description
 MongoRepositoryManagerT	Initializes a new instance of the <code>MongoRepositoryManager</code> class. Uses the <code>DefaultApp/Web.Config</code> connection strings to find the <code>connectionString</code> and <code>Database</code> name.
 MongoRepositoryManagerT(String)	Initializes a new instance of the <code>MongoRepositoryManager</code> class.
 MongoRepositoryManagerT(String, String)	Initializes a new instance of the <code>MongoRepositoryManager</code> class.

[Top](#)

▲ See Also

Reference

[MongoRepositoryManagerT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT Constructor

Initializes a new instance of the `MongoRepositoryManager` class. Uses the Default App/Web.Config connectionstrings to fetch the connectionstring and Database name.

Namespace: [MongoRepository](#)

Assembly: `MongoRepository.Net45` (in `MongoRepository.Net45.dll`)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepositoryManager()
```

▲ Remarks

Default constructor defaults to "MongoServerSettings" key for connectionstring.

▲ See Also

Reference

[MongoRepositoryManagerT Class](#)

[MongoRepositoryManagerT Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT Constructor (String)

Initializes a new instance of the `MongoRepositoryManager` class.

Namespace: [MongoRepository](#)

Assembly: `MongoRepository.Net45` (in `MongoRepository.Net45.dll`)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepositoryManager(  
    string connectionString  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

▲ See Also

Reference

[MongoRepositoryManagerT Class](#)

[MongoRepositoryManagerT Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT Constructor (String, String)

Initializes a new instance of the `MongoRepositoryManager` class.

Namespace: [MongoRepository](#)

Assembly: `MongoRepository.Net45` (in `MongoRepository.Net45.dll`)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepositoryManager(  
    string connectionString,  
    string collectionName  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

collectionName

Type: [SystemString](#)

The name of the collection to use.

▲ See Also

Reference

[MongoRepositoryManagerT Class](#)

[MongoRepositoryManagerT Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT

Properties

The [MongoRepositoryManagerT](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists. (Inherited from MongoRepositoryManagerT, TKey.)
	Name	Gets the name of the collection as Mongo uses. (Inherited from MongoRepositoryManagerT, TKey.)

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▲ See Also

Reference

[MongoRepositoryManagerT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT

Methods

The [MongoRepositoryManagerT](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Drop	Drops the collection. (Inherited from MongoRepositoryManagerTKey .)
	DropAllIndexes	Drops all indexes on the repository. (Inherited from MongoRepositoryManagerTKey .)
	DropIndex	Drops specified index from the repository. (Inherited from MongoRepositoryManagerTKey .)
	DropIndexes	Drops specified indexes from the repository. (Inherited from MongoRepositoryManagerTKey .)
	EnsureIndex(String)	Ensures that the desired

		index exist and create doesn't exist. (Inherited from MongoRepositoryManager.Key .)
	EnsureIndex(String, Boolean, Boolean, Boolean)	Ensures that the desired index exist and create doesn't exist. (Inherited from MongoRepositoryManager.Key .)
	EnsureIndexes(IEnumerableString)	Ensures that the desired indexes exist and create them if they don't exist. (Inherited from MongoRepositoryManager.Key .)
	EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)	Ensures that the desired indexes exist and create them if they don't exist. (Inherited from MongoRepositoryManager.Key .)
	EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)	Ensures that the desired indexes exist and create them if they don't exist. (Inherited from MongoRepositoryManager.Key .)
	Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)



Finalize

Allows an object to try free resources and perform other cleanup operations before it is reclaimed by garbage collection.
(Inherited from [Object](#))



GetHashCode

Serves as the default hash function.
(Inherited from [Object](#))



GetIndexes

Gets the indexes for the repository.
(Inherited from [MongoRepositoryManager.Key](#).)



GetStats

Gets stats for this repository.
(Inherited from [MongoRepositoryManager.Key](#).)



GetTotalDataSize

Obsolete.
Gets the total size for repository (data + indexes).
(Inherited from [MongoRepositoryManager.Key](#).)



GetTotalStorageSize

Obsolete.
Gets the total storage for the repository (data + indexes).
(Inherited from [MongoRepositoryManager.Key](#).)

	GetType	Gets the Type of the c instance. (Inherited from Object)
	IndexesExists	Tests whether indexes (Inherited from MongoRepositoryManTKKey.)
	IndexExists	Tests whether indexes (Inherited from MongoRepositoryManTKKey.)
	IsCapped	Tests whether the repr is capped. (Inherited from MongoRepositoryManTKKey.)
	MemberwiseClone	Creates a shallow cop the current Object . (Inherited from Object)
	ReIndex	Runs the ReIndex command on this repr (Inherited from MongoRepositoryManTKKey.)
	ToString	Returns a string that represents the current object. (Inherited from Object)
	Validate	Validates the integrity repository.

(Inherited from
[MongoRepositoryMan
TKey.](#))

[Top](#)

▲ See Also

Reference

[MongoRepositoryManagerT Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKey Class

Deals with the collections of entities in MongoDB. This class tries to hide as much MongoDB-specific details as possible but it's not 100% *yet*. It is a very thin wrapper around most methods on MongoDB's MongoClient objects.

▲ Inheritance Hierarchy

[SystemObject](#) [MongoRepositoryMongoRepositoryManagerT, TKey](#)
[MongoRepositoryMongoRepositoryManagerT](#)

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public class MongoRepositoryManager<T, TKey> : IF  
where T : Object, IEntity<TKey>
```

Type Parameters

T

The type contained in the repository to manage.

TKey

The type used for the entity's Id.

The [MongoRepositoryManagerT, TKey](#) type exposes the following members.

▲ Constructors

	Name	Description
	MongoRepositoryManagerT, TKey	Initializes a new instance of the <code>MongoRepositoryManager</code> class. Uses the Default <code>App/Web.Config</code> connectionstrings to fetch the <code>connectionString</code> and <code>Database</code> name.
	MongoRepositoryManagerT, TKey(String)	Initializes a new instance of the <code>MongoRepositoryManager</code> class.
	MongoRepositoryManagerT, TKey(String, String)	Initializes a new instance of the <code>MongoRepositoryManager</code> class.

[Top](#)

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists.
	Name	Gets the name of the collection as Mongo uses.

[Top](#)

▲ Methods

	Name	Description
	Drop	Drops the collection.
	DropAllIndexes	Drops all indexes on this repository.
	DropIndex	Drops specified index on the repository.
	DropIndexes	Drops specified indexes on the repository.
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't exist.
	EnsureIndex(String, Boolean, Boolean, Boolean)	Ensures that the desired index exist and creates it if it doesn't exist.



EnsureIndexes(IEnumerableString)

Ensures that the desired indexes exist and creates them if they don't exist.



EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)

Ensures that the desired indexes exist and creates them if they don't exist.



EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)

Ensures that the desired indexes exist and creates them if they don't exist.



Equals

Determines whether the specified object is equal to the current object. (Inherited from [Object](#).)



Finalize

Allows an object to try to free resources and perform other

cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](#).)



[GetHashCode](#)

Serves as the default hash function. (Inherited from [Object](#).)



[GetIndexes](#)

Gets the indexes for this repository.



[GetStats](#)

Gets stats for this repository.



[GetTotalDataSize](#)

Obsolete. Gets the total size for the repository (data + indexes).



[GetTotalStorageSize](#)

Obsolete. Gets the total storage size for the

repository
(data +
indexes).



GetType

Gets the
Type of the
current
instance.
(Inherited
from **Object**.)



IndexesExists

Tests
whether
indexes
exist.



IndexExists

Tests
whether
indexes
exist.



IsCapped

Tests
whether the
repository is
capped.



MemberwiseClone

Creates a
shallow copy
of the
current
Object.
(Inherited
from **Object**.)



ReIndex

Runs the
ReIndex
command on

this
repository.



[ToString](#)

Returns a string that represents the current object. (Inherited from [Object](#).)



[Validate](#)

Validates the integrity of the repository.

[Top](#)

▲ [See Also](#)

Reference

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKey Constructor

▲ Overload List

Name	Description
 MongoRepositoryManagerT, TKey	Initializes a new instance of the <code>MongoRepositoryManager</code> class. Uses the Default <code>App/Web.Config</code> connectionstrings to fetch the <code>connectionString</code> and <code>Database</code> name.
 MongoRepositoryManagerT, TKey(String)	Initializes a new instance of the <code>MongoRepositoryManager</code> class.
 MongoRepositoryManagerT, TKey(String, String)	Initializes a new instance of the <code>MongoRepositoryManager</code> class.

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▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKey Constructor

Initializes a new instance of the MongoRepositoryManager class. Uses the Default App/Web.Config connectionstrings to fetch the connectionString and Database name.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepositoryManager()
```

▲ Remarks

Default constructor defaults to "MongoServerSettings" key for connectionString.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepositoryManagerT, TKey Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKey Constructor (String)

Initializes a new instance of the MongoRepositoryManager class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepositoryManager(  
    string connectionString  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepositoryManagerT, TKey Overload](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKey Constructor (String, String)

Initializes a new instance of the MongoRepositoryManager class.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public MongoRepositoryManager(  
    string connectionString,  
    string collectionName  
)
```

Parameters

connectionString

Type: [SystemString](#)

Connectionstring to use for connecting to MongoDB.

collectionName

Type: [SystemString](#)

The name of the collection to use.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepositoryManagerT, TKey Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKey Properties

The [MongoRepositoryManagerT, TKey](#) generic type exposes the following members.

▲ Properties

	Name	Description
	Exists	Gets a value indicating whether the collection already exists.
	Name	Gets the name of the collection as Mongo uses.

[Top](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyExists Property

Gets a value indicating whether the collection already exists.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual bool Exists { get; }
```

Property Value

Type: [Boolean](#)

Returns true when the collection already exists, false otherwise.

Implements

[IRepositoryManagerT](#), [TKeyExists](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKeyName Property

Gets the name of the collection as Mongo uses.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual string Name { get; }
```

Property Value

Type: [String](#)

The name of the collection as Mongo uses.

Implements

[IRepositoryManagerT](#), [TKeyName](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKey Methods

The [MongoRepositoryManagerT, TKey](#) generic type exposes the following members.

▲ Methods

	Name	Description
	Drop	Drops the collection.
	DropAllIndexes	Drops all indexes on this repository.
	DropIndex	Drops specified index on the repository.
	DropIndexes	Drops specified indexes on the repository.
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't

exist.



`EnsureIndex(String, Boolean, Boolean, Boolean)`

Ensures that the desired index exist and creates it if it doesn't exist.



`EnsureIndexes(IEnumerableString)`

Ensures that the desired indexes exist and creates them if they don't exist.



`EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)`

Ensures that the desired indexes exist and creates them if they don't exist.



`EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)`

Ensures that the desired indexes exist and creates them if they don't exist.



`Equals`

Determines whether the specified object is equal to the current object. (Inherited

from [Object](#).)



Finalize

Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](#).)



GetHashCode

Serves as the default hash function. (Inherited from [Object](#).)



GetIndexes

Gets the indexes for this repository.



GetStats

Gets stats for this repository.



GetTotalDataSize

Obsolete. Gets the total size for the

repository
(data +
indexes).



GetTotalStorageSize

Obsolete.
Gets the
total storage
size for the
repository
(data +
indexes).



GetType

Gets the
Type of the
current
instance.
(Inherited
from **Object**.)



IndexesExists

Tests
whether
indexes
exist.



IndexExists

Tests
whether
indexes
exist.



IsCapped

Tests
whether the
repository is
capped.



MemberwiseClone

Creates a
shallow copy
of the

current
[Object](#).
(Inherited
from [Object](#).)



ReIndex

Runs the
ReIndex
command on
this
repository.



ToString

Returns a
string that
represents
the current
object.
(Inherited
from [Object](#).)



Validate

Validates the
integrity of
the
repository.

[Top](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyDrop Method

Drops the collection.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void Drop()
```

Implements

[IRepositoryManagerT](#), [TKeyDrop](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyDropAllIndexes Method

Drops all indexes on this repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void DropAllIndexes()
```

Implements

[IRepositoryManagerT](#), [TKeyDropAllIndexes](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyDropIndex Method

Drops specified index on the repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void DropIndex(  
    string keyname  
)
```

Parameters

keyname

Type: [SystemString](#)

The name of the indexed field.

Implements

[IRepositoryManagerT](#), [TKeyDropIndex\(String\)](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKeyDropIndexes Method

Drops specified indexes on the repository.

Namespace: [MongoRepository](#)

Assembly: [MongoRepository.Net45](#) (in [MongoRepository.Net45.dll](#))

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void DropIndexes(  
    IEnumerable<string> keynames  
)
```

Parameters

keynames

Type: [System.Collections.Generic.IEnumerableString](#)

The names of the indexed fields.

Implements

[IRepositoryManagerT](#), [TKeyDropIndexes\(IEnumerableString\)](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKeyEnsureIndex Method

▲ Overload List

	Name	Description
	EnsureIndex(String)	Ensures that the desired index exist and creates it if it doesn't exist.
	EnsureIndex(String, Boolean, Boolean, Boolean)	Ensures that the desired index exist and creates it if it doesn't exist.

[Top](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyEnsureIndex Method (String)

Ensures that the desired index exist and creates it if it doesn't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void EnsureIndex(  
    string keyname  
)
```

Parameters

keyname

Type: [SystemString](#)

The indexed field.

Implements

[IRepositoryManagerT, TKeyEnsureIndex\(String\)](#)

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`. Index will be ascending order, non-unique, non-sparse.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[EnsureIndex Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyEnsureIndex Method (String, Boolean, Boolean, Boolean)

Ensures that the desired index exist and creates it if it doesn't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void EnsureIndex(  
    string keyname,  
    bool descending,  
    bool unique,  
    bool sparse  
)
```

Parameters

keyname

Type: [SystemString](#)

The indexed field.

descending

Type: [SystemBoolean](#)

Set to true to make index descending, false for ascending.

unique

Type: [SystemBoolean](#)

Set to true to ensure index enforces unique values.

sparse

Type: [SystemBoolean](#)

Set to true to specify the index is sparse.

Implements

[IRepositoryManagerT](#), [TKeyEnsureIndex\(String, Boolean, Boolean, Boolean\)](#)

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[EnsureIndex Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyEnsureIndexes Method

▲ Overload List

	Name	Description
	EnsureIndexes(IEnumerableString)	Ensures that the desired indexes exist and creates them if they don't exist.
	EnsureIndexes(IMongoIndexKeys, IMongoIndexOptions)	Ensures that the desired indexes exist and creates them if they don't exist.
	EnsureIndexes(IEnumerableString, Boolean, Boolean, Boolean)	Ensures that the desired indexes exist and creates them if they don't exist.

[Top](#)

▲ See Also

Reference

MongoRepositoryManagerT, TKey Class
MongoRepository Namespace

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MongoRepositoryManagerT, TKeyEnsureIndexes Method (IEnumerableString)

Ensures that the desired indexes exist and creates them if they don't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void EnsureIndexes(  
    IEnumerable<string> keynames  
)
```

Parameters

keynames

Type: [System.Collections.Generic.IEnumerableString](#)

The indexed fields.

Implements

[IRepositoryManagerT](#), [TKeyEnsureIndexes\(IEnumerableString\)](#)

▲ Remarks

This is a convenience method for `EnsureIndexes(IMongoIndexKeys keys, IMongoIndexOptions options)`. Index will be ascending order, non-unique, non-sparse.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[EnsureIndexes Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyEnsureIndexes Method (IMongoIndexKeys, IMongoIndexOptions)

Ensures that the desired indexes exist and creates them if they don't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void EnsureIndexes(  
    IMongoIndexKeys keys,  
    IMongoIndexOptions options  
)
```

Parameters

keys

Type: **IMongoIndexKeys**

The indexed fields.

options

Type: **IMongoIndexOptions**

The index options.

Implements

[IRepositoryManagerT](#), [TKeyEnsureIndexes\(IMongoIndexKeys,](#)

[IMongoIndexOptions](#))

▲ Remarks

This method allows ultimate control but does "leak" some MongoDB specific implementation details.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[EnsureIndexes Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyEnsureIndexes Method (IEnumerableString, Boolean, Boolean, Boolean)

Ensures that the desired indexes exist and creates them if they don't exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
public virtual void EnsureIndexes(  
    IEnumerable<string> keynames,  
    bool descending,  
    bool unique,  
    bool sparse  
)
```

Parameters

keynames

Type: [System.Collections.GenericIEnumerableString](#)

The indexed fields.

descending

Type: [SystemBoolean](#)

Set to true to make index descending, false for ascending.

unique

Type: [SystemBoolean](#)

Set to true to ensure index enforces unique values.

sparse

Type: [SystemBoolean](#)

Set to true to specify the index is sparse.

Implements

[IRepositoryManagerT, TKeyEnsureIndexes\(IEnumerableString, Boolean, Boolean, Boolean\)](#)

▲ Remarks

This is a convenience method for [EnsureIndexes\(IMongoIndexKeys keys, IMongoIndexOptions options\)](#).

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[EnsureIndexes Overload](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyGetIndexes Method

Gets the indexes for this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual GetIndexesResult GetIndexes()
```

Return Value

Type: **GetIndexesResult**

Returns the indexes for this repository.

Implements

[IRepositoryManagerT](#), [TKeyGetIndexes](#)

▲ See Also

Reference

[MongoRepositoryManagerT](#), TKey Class

[MongoRepository](#) Namespace

MongoRepositoryManagerT, TKeyGetStats Method

Gets stats for this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual CollectionStatsResult GetStats()
```

Return Value

Type: **CollectionStatsResult**

Returns a CollectionStatsResult.

Implements

[IRepositoryManagerT](#), [TKeyGetStats](#)

▲ Remarks

You will need to reference MongoDB.Driver.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKeyGetTotalDataSize Method

Note: This API is now obsolete.

Gets the total size for the repository (data + indexes).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
[ObsoleteAttribute("This method will be removed i  
public virtual long GetTotalDataSize()
```

Return Value

Type: [Int64](#)

Returns total size for the repository (data + indexes).

Implements

[IRepositoryManagerT](#), [TKeyGetTotalDataSize](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

MongoRepositoryManagerT, TKeyGetTotalStorageSize Method

Note: This API is now obsolete.

Gets the total storage size for the repository (data + indexes).

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

C# VB C++ F#

[Copy](#)

```
[ObsoleteAttribute("This method will be removed i  
public virtual long GetTotalStorageSize()
```

Return Value

Type: [Int64](#)

Returns total storage size for the repository (data + indexes).

Implements

[IRepositoryManagerT](#), [TKeyGetTotalStorageSize](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyIndexesExists Method

Tests whether indexes exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual bool IndexesExists(  
    IEnumerable<string> keynames  
)
```

Parameters

keynames

Type: [System.Collections.Generic.IEnumerableString](#)

The indexed fields.

Return Value

Type: [Boolean](#)

Returns true when the indexes exist, false otherwise.

Implements

[IRepositoryManagerT, TKeyIndexesExists\(IEnumerableString\)](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyIndexExists Method

Tests whether indexes exist.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual bool IndexExists(  
    string keyname  
)
```

Parameters

keyname

Type: [SystemString](#)

The indexed fields.

Return Value

Type: [Boolean](#)

Returns true when the indexes exist, false otherwise.

Implements

[IRepositoryManagerT, TKeyIndexExists\(String\)](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyIsCapped Method

Tests whether the repository is capped.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual bool IsCapped()
```

Return Value

Type: [Boolean](#)

Returns true when the repository is capped, false otherwise.

Implements

[IRepositoryManagerT](#), [TKeyIsCapped](#)

▲ See Also

Reference

[MongoRepositoryManagerT](#), TKey Class

[MongoRepository](#) Namespace

MongoRepositoryManagerT, TKeyReIndex Method

Runs the ReIndex command on this repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual void ReIndex()
```

Implements

[IRepositoryManagerT](#), [TKeyReIndex](#)

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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MongoRepositoryManagerT, TKeyValidate Method

Validates the integrity of the repository.

Namespace: [MongoRepository](#)

Assembly: MongoRepository.Net45 (in MongoRepository.Net45.dll)

Version: 1.6.11.0 (1.6.11.0)

▲ Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy](#)

```
public virtual ValidateCollectionResult Validate(  
    <img alt="Horizontal scrollbar" data-bbox="167 460 866 480"/>
```

Return Value

Type: **ValidateCollectionResult**

Returns a ValidateCollectionResult.

Implements

[IRepositoryManagerT](#), [TKeyValidate](#)

▲ Remarks

You will need to reference MongoDB.Driver.

▲ See Also

Reference

[MongoRepositoryManagerT, TKey Class](#)

[MongoRepository Namespace](#)

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