Christopher Cumming
Saturday Morning Productions

*PASS
SQLSATURDAY
EDMONTON | MAY 05 2018

Introduction to Object-Relational Mapping for DBAs

SQL Summit

- Annual International Conference
- November 6 -9 | Seattle, WA
- 2 Days of Pre-Cons
- 200+ sessions over 3 days
- Over 5,000 SQL Professionals
- Evening Networking Activities

Please Support Our Sponsors

Let's Not Distract Others

🔇 Please silent your phone

💬 We can chat later

💬 Please don't snore

Slides and Example Code

https://github.com/saturdaymp/IntroductionToORMForDBAs

Who am I? (i.e. Shamless Self Promotion)

Saturday Morning Productions
Owner/Consultant

http://saturdaymp.com
chris.cumming@satudaymp.com

Edmonton .NET Users Group
Program Director

http://edmug.net
info@edmug.net

What is Object-Relational Mapping?

Wikipedia Definition

Object-relational mapping (ORM, O/RM, and O/R mapping tool) in computer science is a programming technique for converting data between incompatible type systems using object-oriented programming languages. This creates, in effect, a "virtual object database" that can be used from within the programming language. There are both free and commercial packages available that perform object-relational mapping, although some programmers opt to construct their own ORM tools.

My Definition

Map relational data to objects.

What is an Object?

An object is an instance of a class.

What is a Class?

Defines the initial state of an object and it's behaviours.

Example of a Class

```
public class Car
{
        public Color ExternalColor { get; set; }

        public Sound HornSound { get; set; }

        public Current Speed { get; }

        public void HonkHorn(Time timeToHonk);

        public void PushPedal(Force forceOnPedel);
}
```
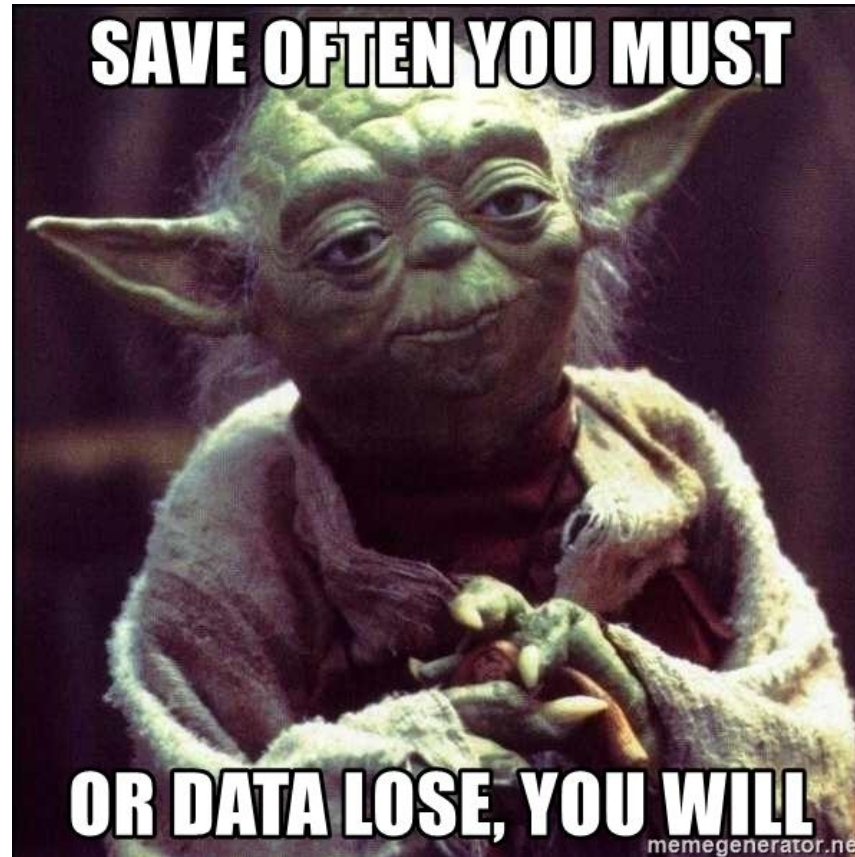
Save Often

DRY – Don't Repeat Yourself

Good developers are like good DBAs. We don't like to repeat ourselves.

What is Covered in the Demo?

Code First

Migrations

Convention over Configuration

Lazy Loading vs Eagar Loading

Unit of Work

Complex Queries

Learn More

Slides and Example Code

https://github.com/saturdaymp/IntroductionToORMForDBAs

ASP.NET Core MVC with Entity Framework Tutorial

https://docs.microsoft.com/en-us/aspnet/core/data/ef-mvc/intro?view=aspnetcore-2.0

Contact Me:

chris.cumming@saturdaymp.com
@saturdaymp