Magic Unicorns and Beyond

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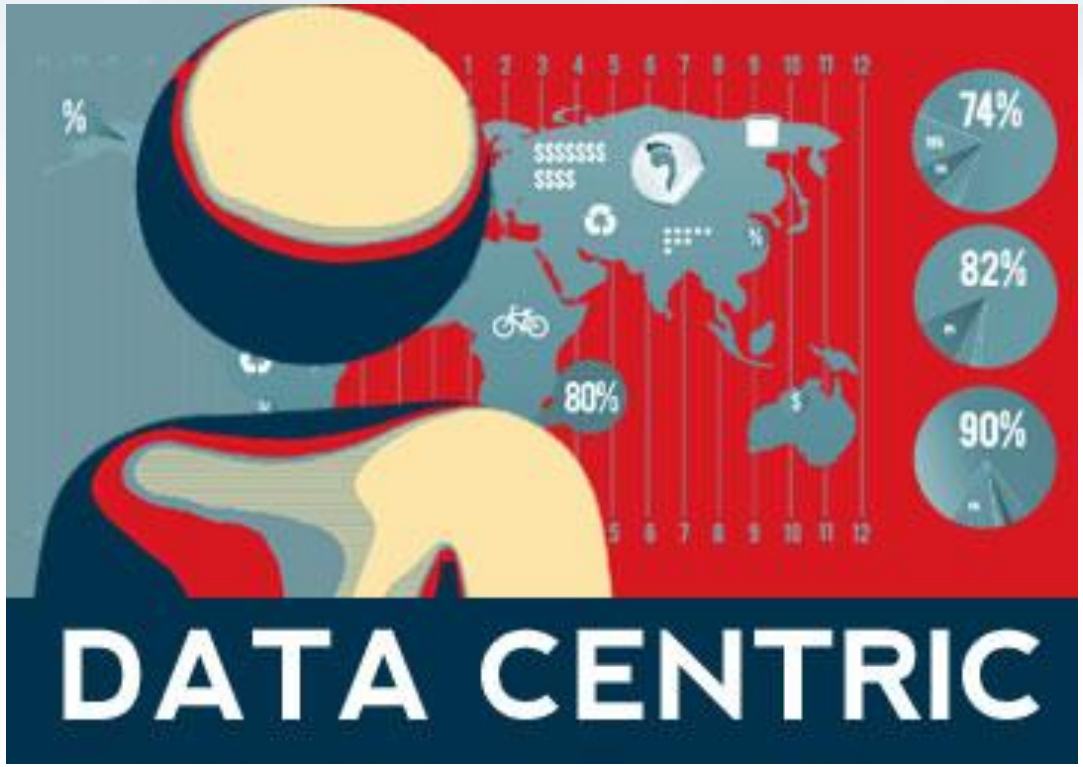
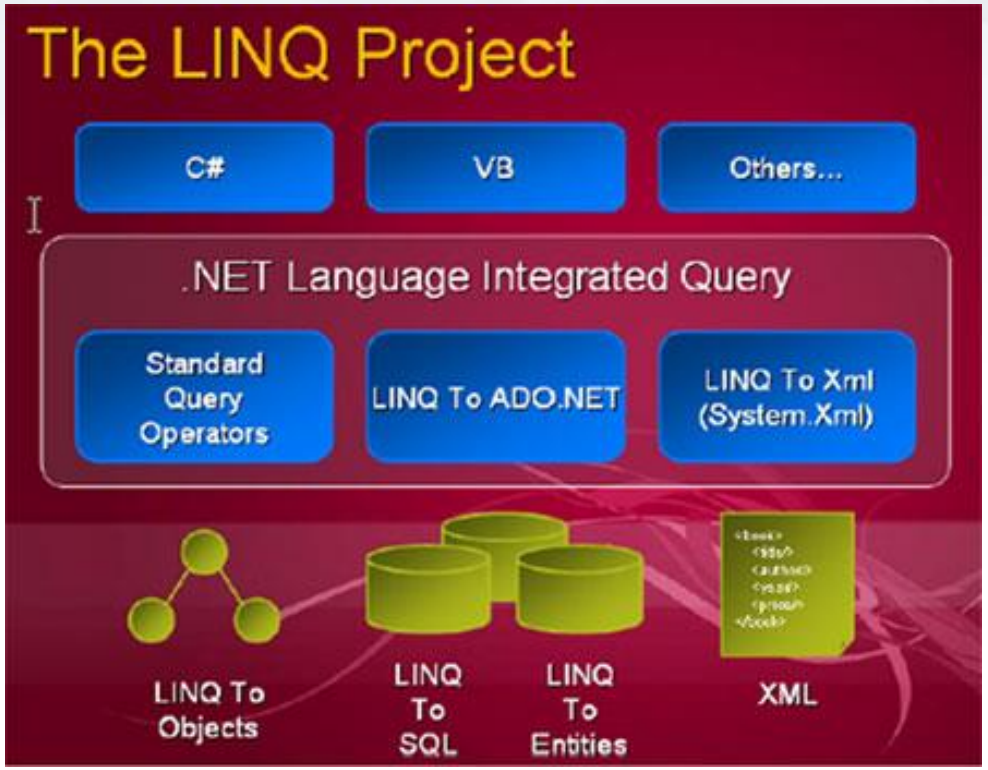
Little about me

- Microsoft MVP: ASP.NET/IIS
- Senior Software Engineer at Falafel Software, Inc.
- Been developing software for > 15 years
- Primary focus on the Web stack
- Speaker
- Author


74%
82%
90%
80%
DATA CENTRIC

```
private static DataSet GetData(string lastName) {
    string sql = string.Format("Select IQ, ShoeSize From Info Where LastName = '{0}'", lastName);
    ConnectionStringSettings connectionString = ConfigurationManager.ConnectionStrings["LocalSqlConn"];
    SqlConnection connection = new SqlConnection(connectionString.ConnectionString);
    SqlDataAdapter dataAdapter = new SqlDataAdapter(sql, connection);
    DataSet data = new DataSet();
    dataAdapter.Fill(data);
    return data;
}
```

SO WHAT ?!..


The LINQ Project
C#
VB
Others...
.NET Language Integrated Query
Standard Query Operators
LINQ To ADO.NET
LINQ To Xml (System.Xml)
LINQ To Objects
LINQ To SQL
LINQ To Entities
XML

ISSUES

Table
ORM
Packages,
Stored Procedures
views, Mviews
etc
BUS
STOP

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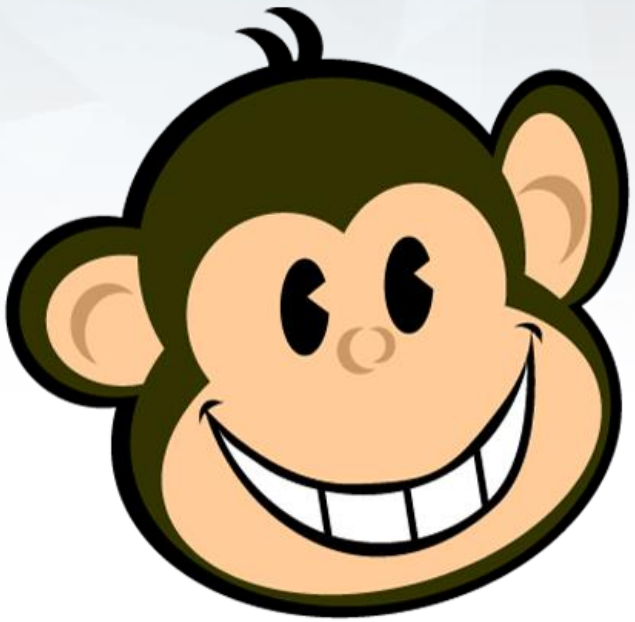
Testers give Microsoft's Entity Framework a no-confidence vote

Summary: *A number of testers who've been dabbing with the first version of Microsoft's ADO.Net Entity Framework are unhappy with the direction Microsoft has taken with the technology -- so much so that they've created a "no confidence vote" petition to make their gripes public.*

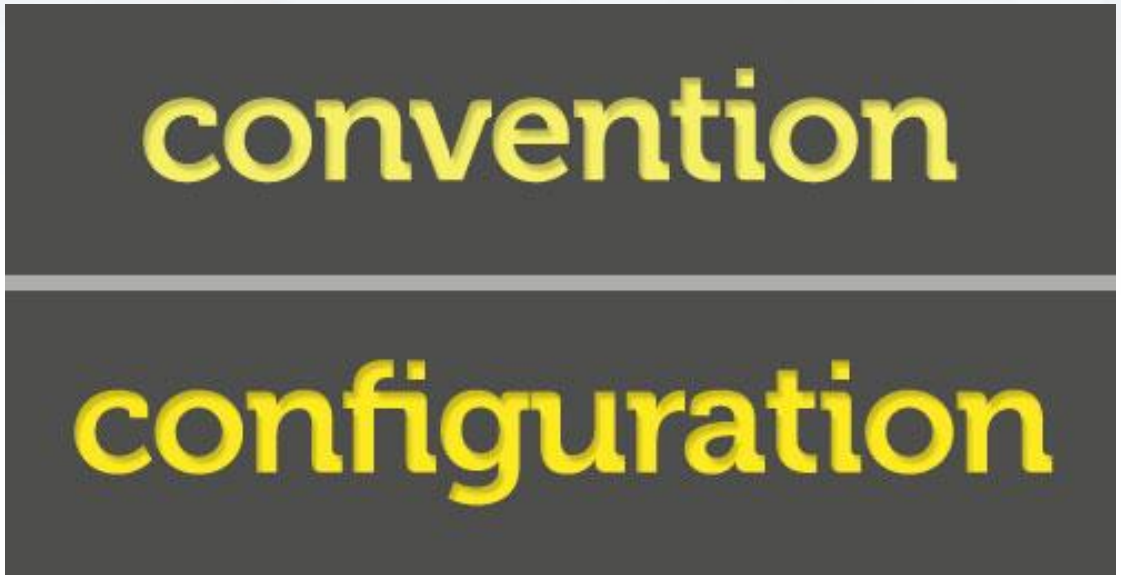
4?

ENTITY
FRAMEWORK 4.1 MUE

NO SSMS
VISUAL STUDIO ALL THE THINGS
quickmeme.com



CodeMonkey


convention
configuration

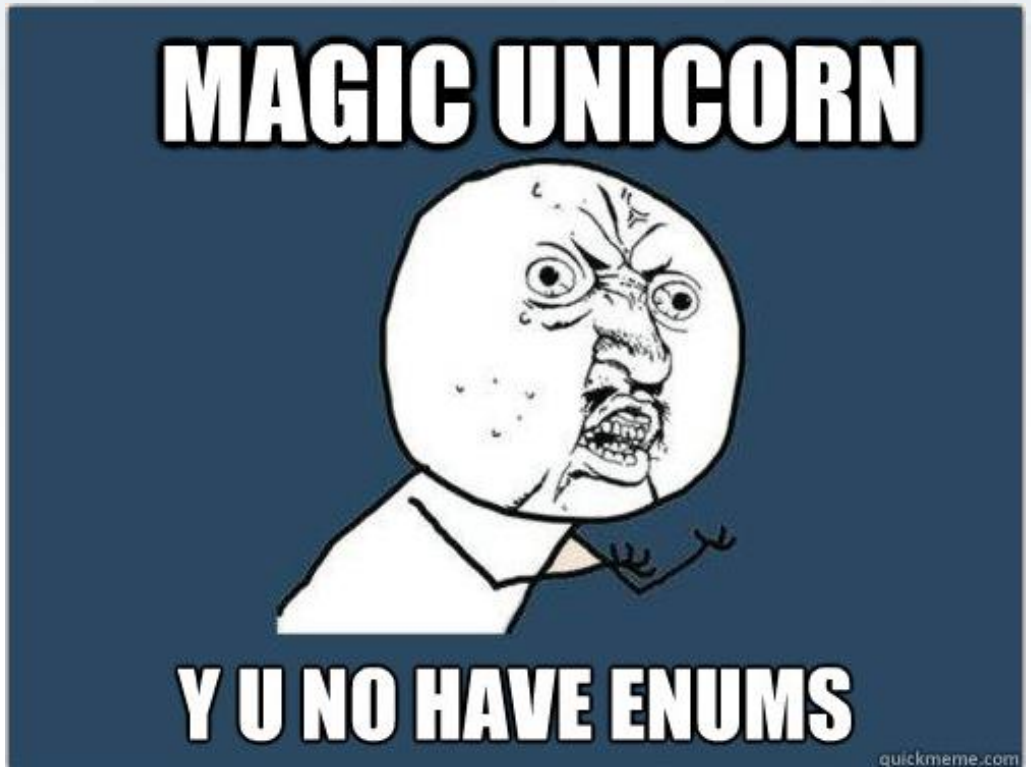
Sales DataBase
TimeKey
CustomerKey
ShipperKey
ProductKey
EmployeeKey
ItemFreight
ItemQuanity
ItemAll
Discount
Shipper
ShipperKey
ShipperID
ShipperName
Product
ProductKey
ProductID
CategoryID
Price
Employee
EmployeeKey
Time
Action
Title
City

Fluent
DUTCH
in
2
months

I DON'T ALWAYS
CONFIGURE
BUT WHEN I DO, I USE
ATTRIBUTES
quickmeme.com

When to Use Which

- **Fluent**
  - Used solely to make database behave correctly
  - Should have no impact on the design and/or behavior of your domain model
- **Attribute**
  - Used for configuration that applies to your domain model
  - May or may not impact the database.


MAGIC UNICORN
Y U NO HAVE ENUMS
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(cuz 4 + 1 = 5)

6

TDD
ALL CODE IS GUILTY
UNTIL PROVEN INNOCENT

What Did We Learn?

- We write data-centric apps
- There is a better way
- If at first you don’t succeed…
- 4 = 2
- 4.1 = Magic Unicorn
- Code-First = the way it should be
- And it keeps getting getter

Thank You!

- Slides and Code:
  - github.com/KBurnell/EfCodeFirstMagicUnicornAndBeyond
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