

EF Core entity

EFCoreEntityParser

```
[Table("Customers")]
class Customer
{
    [Key]
    int CustomerID { get; set; }

    [MaxLength(200)]
    string CustomerName { get; set; }

    [Precision(18, 2)]
    decimal? CreditLimit { get; set; }
}
```

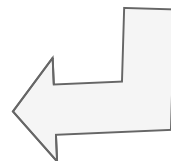
AddTable("Customers")

AddClassHeader("internal", "Customer")

AddPropertyMapping("CustomerName", length: "200")

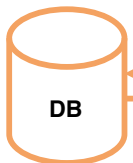
AddProperty("string", "CustomerName")

NHibernateEntityBuilder



PARSING PHASE

```
SELECT DATA_TYPE
FROM INFORMATION_SCHEMA.COLUMNS
WHERE TABLE_NAME = 'Customers'
AND COLUMN_NAME = 'CustomerName';
```



DATA_TYPE?

NVARCHAR

customerMap: EntityMap

schemaName = null
tableName = "Customers"

pm1: PropertyMap

columnName = null
databaseType = null
isNullable = null

dp1: DatabaseProperty

key = "length"
value = "200"

customer: Entity

name = "Customer"
accessModifier = "internal"
namespace

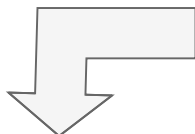
p1: Property

name: "CustomerName"
accessModifier = "internal"
modifiers = []

p1Type: CLRType

type = "string"
genericParameter = null
isNullable = false

BUILDING PHASE



Build()

BuildTableSchema()

BuildProperties()

NHibernate entity

internal class Customer

internal virtual int CustomerID { get; set; }

internal virtual string CustomerName { get; set; }

internal virtual decimal? CreditLimit { get; set; }

}

NHibernate XML mapping

```
<?xml version="1.0" encoding="utf-8" ?>
<hibernate-mapping xmlns="urn:hibernate-mapping-2.2">
  <class name="Customer" table="Customers">
    <id name="CustomerID" column="CustomerID" type="Int32" />
    <property name="CustomerName" not-null="true" type="String" length="200" />
    <property name="CreditLimit" not-null="false" precision="18" scale="2" />
  </class>
</hibernate-mapping>
```