

Miscellaneous

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Recommended Data Types

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Recommended Data Types

✓ Geography (Old: Geolocation)

```
VenueGeography = Geography.FromString("POINT(-56.152690 -24.894511)")
```

✓ Image (Old: Blob)

✓ Video

✓ Audio

✓ BlobFile

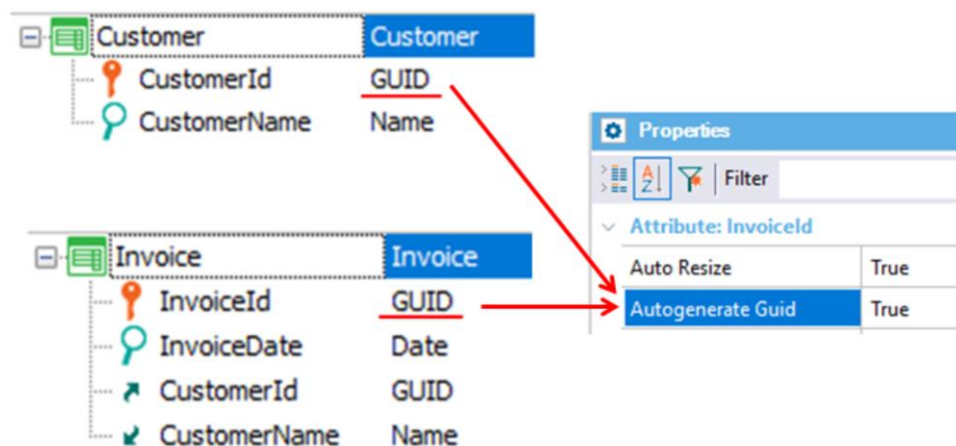
GUID Data Type

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GUID Data Type

- Globally Unique Identifier.
- Is a pseudo-random number.
- The probability of the same number being generated twice is almost 0.
- It takes importance in distributed environments.
 - ✓ **POS Applications**
 - ✓ **SD Offline Applications**

GUID Data Type



GUID Data Type

Other uses

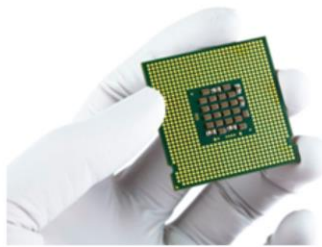
- Generate file names avoiding equal names.
- Generate Site Keys.
- Generate Tokens to change passwords.
- Other needs to obtain global unique identifiers.

```
&MyGUID = GUID.NewGuid()
```

Caching

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Caching



 CURRENCY

 MARITALSTATUS

 COUNTRY

 GENDER

Caching – Step 1

✓ Generator: Default (C#)

✓ Services

✓ Cache configuration

Database access caching

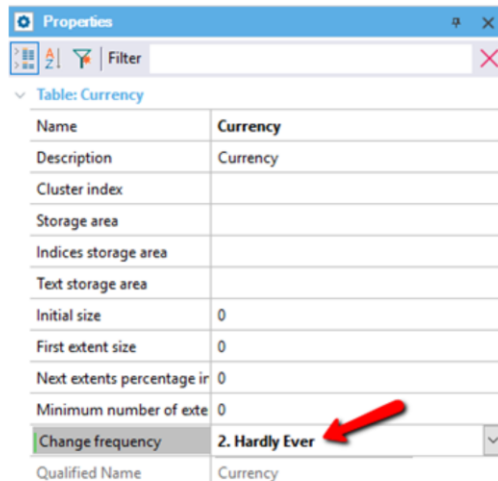
Yes

✓ User interface



Caching – Step 2

For the LESS frequently changed tables:



The screenshot shows a 'Properties' window for a table named 'Currency'. The 'Change frequency' dropdown is highlighted with a red arrow, indicating the selection of '2. Hardly Ever'.

Table: Currency	
Name	Currency
Description	Currency
Cluster index	
Storage area	
Indices storage area	
Text storage area	
Initial size	0
First extent size	0
Next extents percentage in	0
Minimum number of exte	0
Change frequency	2. Hardly Ever
Qualified Name	Currency

Caching – Step 3

- **Rebuild All**

or

- If we know the objects that access those tables, **Rebuild** those objects

Use of enumerated domains
instead of strings in the code

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Use of enumerated domains instead of strings in the code

- ✓ To avoid having values in different parts of the code.
- ✓ Clearer reading.
- ✓ The values used in the KB are centralized.

Use of ! to avoid translating string constants

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Use of ! to avoid translating string constants

```
&Customer=new()  
&Customer.CustomerId = 8  
&Customer.CustomerEmail = !'marybrown@gmail.com'  
if &Customer.Update()  
    commit  
endif
```