
Upsizing Wizard Report

Database

Microsoft Access Database: C:\SEUA12\Code\Chaptr10\Chaptr10.accdb

SQL Server Database: Chaptr10SQL

Upsizing Parameters

Table Attributes to Export

☒ **Indexes**

☒ **Validation rules**

☒ **Defaults**

☐ **Structure only, no data**

Table relationships:

Upsized using DRI

Timestamp fields added:

Some tables

Modifications to Existing Database

☐ **Attach newly created
SQL Server tables**

☐ **Save password and
user ID with attached
tables**

Client/Server Modifications

☒ **Create a new Access
client/server
application.**

☐ **Save password and
user ID with
application**

Tables

Table: Customers

Microsoft Access

SQL Server

Table Name: Customers

Customers

Attached Table Name:

Aliasing Query:

Validation Rule:

Fields	Microsoft Access	SQL Server
Field Name: CustomerID		CustomerID
Data Type: Text(5)		nvarchar(5)
Field Name: CompanyName		CompanyName
Data Type: Text(40)		nvarchar(40)
Field Name: ContactName		ContactName
Data Type: Text(30)		nvarchar(30)
Field Name: ContactTitle		ContactTitle
Data Type: Text(30)		nvarchar(30)
Field Name: Address		Address
Data Type: Text(60)		nvarchar(60)
Field Name: City		City
Data Type: Text(15)		nvarchar(15)
Field Name: Region		Region
Data Type: Text(15)		nvarchar(15)
Field Name: PostalCode		PostalCode
Data Type: Text(10)		nvarchar(10)
Field Name: Country		Country
Data Type: Text(15)		nvarchar(15)
Field Name: Phone		Phone
Data Type: Text(24)		nvarchar(24)
Field Name: Fax		Fax
Data Type: Text(24)		nvarchar(24)

Indexes	Microsoft Access	SQL Server
Name: City		City
Fields: City		City
Type: DuplicatesOK		DuplicatesOK
Name: CompanyName		CompanyName
Fields: CompanyName		CompanyName
Type: DuplicatesOK		DuplicatesOK
Name: PostalCode		PostalCode
Fields: PostalCode		PostalCode
Type: DuplicatesOK		DuplicatesOK

Name: Region
Fields: Region
Type: DuplicatesOK

Region
Region
DuplicatesOK

Table: Order Details

	Microsoft Access	SQL Server
Table Name:	Order Details	Order Details
Attached Table Name:		
Aliasing Query:		
Validation Rule:		

Timestamp field added to SQL Server table.

Fields	Microsoft Access	SQL Server
Field Name:	OrderID	OrderID
Data Type:	Number (Long)	int
Field Name:	ProductID	ProductID
Data Type:	Number (Long)	int
Field Name:	UnitPrice	UnitPrice
Data Type:	Currency	money
Validation Rule:	>=0	ALTER TABLE [Order Details] ADD CONSTRAINT [CK Order Details UnitPrice] CHECK (UnitPrice>=0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a positive number.', N'user', N'dbo', N'table', N'Order Details', N'constraint', N'CK Order Details UnitPrice'
Field Name:	Quantity	Quantity
Data Type:	Number (Integer)	smallint
Validation Rule:	>0	ALTER TABLE [Order Details] ADD CONSTRAINT [CK Order Details Quantity] CHECK (Quantity>0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Quantity must be greater than 0', N'user', N'dbo', N'table', N'Order Details', N'constraint', N'CK Order Details Quantity'
Field Name:	Discount	Discount
Data Type:	Number (Single)	real
Validation Rule:	Between 0 And 1	ALTER TABLE [Order Details] ADD CONSTRAINT [CK Order Details Discount] CHECK (Discount Between 0 And 1) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a value with a percent sign.', N'user', N'dbo', N'table', N'Order Details', N'constraint', N'CK Order Details Discount'

Indexes	Microsoft Access	SQL Server
Name:	OrderID	OrderID

Fields: OrderID	OrderID
Type: DuplicatesOK	DuplicatesOK
Name: OrdersOrder Details	"OrdersOrder Details"
Fields: OrderID	OrderID
Type: DuplicatesOK	DuplicatesOK
Name: ProductID	ProductID
Fields: ProductID	ProductID
Type: DuplicatesOK	DuplicatesOK

Table: Orders

	Microsoft Access	SQL Server
Table Name:	Orders	Orders
Attached Table Name:		
Aliasing Query:		
Validation Rule:		

Fields	Microsoft Access	SQL Server
Field Name:	OrderID	OrderID
Data Type:	Number (Long)	int
Field Name:	CustomerID	CustomerID
Data Type:	Text(5)	nvarchar(5)
Field Name:	EmployeeID	EmployeeID
Data Type:	Number (Long)	int
Field Name:	OrderDate	OrderDate
Data Type:	Date/Time	datetime
Field Name:	RequiredDate	RequiredDate
Data Type:	Date/Time	datetime
Field Name:	ShippedDate	ShippedDate
Data Type:	Date/Time	datetime
Field Name:	ShipVia	ShipVia
Data Type:	Number (Long)	int
Field Name:	Freight	Freight
Data Type:	Currency	money
Field Name:	ShipName	ShipName
Data Type:	Text(40)	nvarchar(40)
Field Name:	ShipAddress	ShipAddress
Data Type:	Text(60)	nvarchar(60)
Field Name:	ShipCity	ShipCity
Data Type:	Text(15)	nvarchar(15)
Field Name:	ShipRegion	ShipRegion
Data Type:	Text(15)	nvarchar(15)

Field Name: ShipPostalCode	ShipPostalCode
Data Type: Text(10)	nvarchar(10)
Field Name: ShipCountry	ShipCountry
Data Type: Text(15)	nvarchar(15)

Indexes	Microsoft Access	SQL Server
Name: CustomerID	CustomerID	CustomerID
Fields: CustomerID	CustomerID	CustomerID
Type: DuplicatesOK	DuplicatesOK	DuplicatesOK
Name: CustomersOrders	CustomersOrders	CustomersOrders
Fields: CustomerID	CustomerID	CustomerID
Type: DuplicatesOK	DuplicatesOK	DuplicatesOK
Name: EmployeeID	EmployeeID	EmployeeID
Fields: EmployeeID	EmployeeID	EmployeeID
Type: DuplicatesOK	DuplicatesOK	DuplicatesOK
Name: OrderDate	OrderDate	OrderDate
Fields: OrderDate	OrderDate	OrderDate
Type: DuplicatesOK	DuplicatesOK	DuplicatesOK
Name: ShippedDate	ShippedDate	ShippedDate
Fields: ShippedDate	ShippedDate	ShippedDate
Type: DuplicatesOK	DuplicatesOK	DuplicatesOK
Name: ShipPostalCode	ShipPostalCode	ShipPostalCode
Fields: ShipPostalCode	ShipPostalCode	ShipPostalCode
Type: DuplicatesOK	DuplicatesOK	DuplicatesOK

Queries

Query Name qryInvoiceAmount

Upsized using SQL:

```
CREATE FUNCTION qryInvoiceAmount ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT Customers.CompanyName, Customers.PostalCode,
Customers.Country, Orders.OrderID, Orders.ShippedDate,
sum(convert(money,UnitPrice*Quantity*(1-Discount)/100)*100) AS Amount, Orders.Freight
FROM (Customers INNER JOIN Orders ON (Customers.CustomerID = Orders.CustomerID)) INNER
JOIN "Order Details" ON (Orders.OrderID = "Order Details".OrderID)
GROUP BY Customers.CompanyName, Customers.PostalCode, Customers.Country, Orders.OrderID,
Orders.ShippedDate, Orders.Freight
HAVING (((Customers.CompanyName) Like '*shop*') AND ((Orders.ShippedDate) Is Not Null))
ORDER BY Orders.OrderID)
```