

Задание 1.

Напоминание: прежде, чем выполнять скрипт lab3/V4_1 следует сначала выполнить скрипт lab2/V4_2, поскольку в нём создаётся таблица [dbo].[StateProvince];

StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	CountryRegionName
1	5	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	NULL
2	16	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	NULL
3	34	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	NULL
4	38	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	NULL
5	62	PW	Palau	9	2008-03-11 10:17:21.587	NULL	NULL
6	76	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	NULL
7	84	FR	France	7	2002-06-01 00:00:00.000	NULL	NULL

a) Добавленное поле CountryRegionName в [dbo].[StateProvince]

StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	CountryRegionName
1	5	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	American Samoa
2	16	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	Micronesia
3	34	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	Marshall Islands
4	38	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	Northern Mariana Islands
5	62	PW	Palau	9	2008-03-11 10:17:21.587	NULL	Palau
6	76	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	Virgin Islands, U.S.
7	84	FR	France	7	2002-06-01 00:00:00.000	NULL	France

b) Созданная переменная на базе [dbo].[StateProvince], заполненная из этой таблицы. Также заполнено поле CountryRegionName

StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	CountryRegionName
1	5	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	American Samoa
2	16	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	Micronesia
3	34	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	Marshall Islands
4	38	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	Northern Mariana Islands
5	62	PW	Palau	9	2008-03-11 10:17:21.587	NULL	Palau
6	76	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	Virgin Islands, U.S.
7	84	FR	France	7	2002-06-01 00:00:00.000	NULL	France

c) [dbo].[StateProvince] с обновленными данными в CountryRegionName

StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	CountryRegionName
1	5	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	American Samoa
2	16	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	Micronesia
3	34	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	Marshall Islands
4	38	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	Northern Mariana Islands
5	62	PW	Palau	9	2008-03-11 10:17:21.587	NULL	Palau
6	76	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	Virgin Islands, U.S.
7	84	FR	France	7	2002-06-01 00:00:00.000	NULL	France

d) [dbo].[StateProvince] после удаления штатов, которых не было в Person.Address

StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	CountryRegionName
1	5	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	American Samoa
2	16	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	Micronesia
3	34	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	Marshall Islands
4	38	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	Northern Mariana Islands
5	62	PW	Palau	9	2008-03-11 10:17:21.587	NULL	Palau
6	76	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	Virgin Islands, U.S.
7	84	FR	France	7	2002-06-01 00:00:00.000	NULL	France

e) [dbo].[StateProvince] после удаления поля CountryRegionName

name	object_id	principal_id	schema_id	parent_object_id	type	type_desc	create_date	modify_date	is_ms_shipped	is_published	is_schema_published
AK_StateProvince_Name	919674324	NULL	1	903674267	UQ	UNIQUE_CONSTRAINT	2020-11-28 16:15:35.597	2020-11-28 16:15:35.597	0	0	0

System.objects после удаления всех созданных ограничений и значений по умолчанию.

f)

AW
Database Diagrams
Tables
System Tables
FileTables
External Tables
dbo.AWBuildVersion
dbo.DatabaseLog
dbo.ErrorLog
HumanResources.Department
HumanResources.Employee
HumanResources.EmployeeDepartmentHistory

Задание 2.

Напоминание: прежде, чем выполнять скрипт lab3/V4_2 следует сначала выполнить скрипт lab2/V4_2, поскольку в нём создаётся таблица [dbo].[StateProvince];

Results

Messages

	StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	SalesYTD	SumSales	SalesPercent
1	5	AS	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
2	16	FM	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
3	34	MH	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
4	38	MP	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
5	62	PW	PW	Palau	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
6	76	VI	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
7	84	FR	FR	France	7	2002-06-01 00:00:00.000	NULL	NULL	NULL	NULL

a) select * from dbo.StateProvince;

	StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	SalesYTD	SumSales
1	5	AS	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	7887186.7882	4502152.2674
2	16	FM	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242
3	34	MH	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242
4	38	MP	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242
5	62	PW	PW	Palau	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242
6	76	VI	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	2538667.2515	2315185.611
7	84	FR	FR	France	7	2002-06-01 00:00:00.000	NULL	4772398.3078	3121616.3202

b) select * from #StateProvince;

	StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	SalesYTD	SumSales	SalesPercent
1	5	AS	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	7887186.7882	4502152.2674	57.08
2	16	FM	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
3	34	MH	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
4	38	MP	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
5	62	PW	PW	Palau	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
6	76	VI	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	2538667.2515	2315185.611	91.19
7	84	FR	FR	France	7	2002-06-01 00:00:00.000	NULL	4772398.3078	3121616.3202	65.40

c) select * from #StateProvince;

	StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	SalesYTD	SumSales	SalesPercent
1	16	FM	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
2	34	MH	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
3	38	MP	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
4	62	PW	PW	Palau	9	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
5	76	VI	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	NULL	NULL	NULL
6	84	FR	FR	France	7	2002-06-01 00:00:00.000	NULL	NULL	NULL	NULL

d) select * from dbo.StateProvince;

	StateProvinceID	StateProvinceCode	CountryRegionCode	Name	TerritoryID	ModifiedDate	CountryNum	SalesYTD	SumSales	SalesPercent
1	5	AS	AS	American Samoa	1	2008-03-11 10:17:21.587	NULL	7887186.7882	4502152.2674	57.08
2	16	FM	FM	Micronesia	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
3	34	MH	MH	Marshall Islands	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
4	38	MP	MP	Northern Mariana Islands	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
5	62	PW	PW	Palau	9	2008-03-11 10:17:21.587	NULL	5977814.9154	1421810.9242	23.78
6	76	VI	VI	Virgin Islands	5	2008-03-11 10:17:21.587	NULL	2538667.2515	2315185.611	91.19
7	84	FR	FR	France	7	2002-06-01 00:00:00.000	NULL	4772398.3078	3121616.3202	65.40

e) select * from dbo.StateProvince;