

All Tables Details

Design Name	capstone
Version Date	30.08.2019 12:16:46
Version Comment	
Model Name	Relational_1

SubViews

SubView	Description	Notes	Object
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Table Name	public.dim_addr
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	State Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	i94addr	P		Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
2	addrname				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	i94addr	I-94 State Code	
2	addrname	State Name	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_addr_pkey	PK				i94addr	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_addr_FK	fct_cic	Y	Y		i94addr	i94addr	

Table Name	public.dim_airline
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Airline Dimension
Notes	

Number Of Columns	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	airline_name			Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
2	airline	P		Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
3	iata_code				VARCHAR (256)	DOM	VARCHAR_0_0_256			
4	icao_designator		F	Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
5	country_territory				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	airline_name	Airline Name	
2	airline	Airline Code	
3	iata_code		
4	icao_designator		
5	country_territory		

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_airline_pkey	PK				airline	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
dim_airline_dim_airport_codes_FK	dim_airport_codes	Y	Y		icao_designator	icao_designator	

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_airline_FK	fct_cic	Y	Y		airline	airline	

Table Name	public.dim_airport_codes
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Airport Codes Dimension
Notes	

Number Of Columns	12
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ident			Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
2	type				VARCHAR (256)	DOM	VARCHAR_0_0_256			
3	name				VARCHAR (256)	DOM	VARCHAR_0_0_256			
4	elevation_ft				FLOAT	DOM	FLOAT_0_0_0			
5	continent				VARCHAR (256)	DOM	VARCHAR_0_0_256			
6	iso_country				VARCHAR (256)	DOM	VARCHAR_0_0_256			
7	iso_region				VARCHAR (256)	DOM	VARCHAR_0_0_256			
8	municipality				VARCHAR (256)	DOM	VARCHAR_0_0_256			
9	gps_code				VARCHAR (256)	DOM	VARCHAR_0_0_256			
10	icao_designator	P		Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
11	local_code				VARCHAR (256)	DOM	VARCHAR_0_0_256			
12	coordinates				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	ident	airport unique identifier	
2	type	airport type	
3	name	airport name	
4	elevation_ft	airport's elevation in feet	
5	continent	the continent where the airport exists	
6	iso_country	International Standards Organization Country Code	
7	iso_region	International Standards Organization Region Code	
8	municipality	Airport Municipality	
9	gps_code	Global Positioning System Code	
10	icao_designator	International Civil Aviation Organization Designator	
11	local_code	Airport Local Code	
12	coordinates	Latitude and Longitude Coordinates	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_airport_codes_pkey	PK				icao_designator	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
dim_airline_dim_airport_codes_FK	dim_airline	Y	Y		icao_designator	icao_designator	

Table Name	public.dim_cnty
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Country Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	i94cnty	P		Y	Integer	DOM	Integer_0_0_0			
2	cntyname				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	i94cnty	I-94 Country Code	
2	cntyname	Country Name	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_cnty_pkey	PK				i94cnty	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_cnty_FK	fct_cic	Y	Y		i94cit	i94cnty	
fct_cic_dim_cnty_FKv1	fct_cic	Y	Y		i94res	i94cnty	

Table Name	public.dim_gender
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Gender Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	gender	P		Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
2	gendername				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	gender	Gender Code(s): F, M, X	
2	gendername	Gender Name(s): Female, Male, Other	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_gender_pkey	PK				gender	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_gender_FK	fct_cic	Y	Y		gender	gender	

Table Name	public.dim_mode
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Mode Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	i94mode	P		Y	Integer	DOM	Integer_0_0_0			
2	modename				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	i94mode	I-94 Mode of Arrival 1. Air, 2. Sea, 3. Land, 9. Not reported	
2	modename	Mode Name	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_mode_pkey	PK				i94mode	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_mode_FK	fct_cic	Y	Y		i94mode	i94mode	

Table Name	public.dim_port
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Port of Entry Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	i94port	P		Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
2	us_port_of_entry_location				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	i94port	I-94 Port of Entry Code	
2	us_port_of_entry_location	US Port of Entry Location	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_port_pkey	PK				i94port	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_port_FK	fct_cic	Y	Y		i94port	i94port	

Table Name	public.dim_time
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Time Dimension
Notes	

Number Of Columns	6
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	starttime	P		Y	Timestamp (6)	DOM	Timestamp_6_0_0			
2	year				Integer	DOM	Integer_0_0_0			
3	month				Integer	DOM	Integer_0_0_0			
4	day				Integer	DOM	Integer_0_0_0			
5	week				Integer	DOM	Integer_0_0_0			
6	weekday				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	starttime	Start Time or Time Key	
2	year	4 digit year of starttime	
3	month	2 digit month of starttime	
4	day	2 digit day of starttime	
5	week	2 digit week of starttime	

No	Column Name	Description	Notes
6	weekday	day of week	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_time_pkey	PK				starttime	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_time_FK	fct_cic	Y	Y		arrdate	starttime	

Table Name	public.dim_visas
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Visas Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	i94visa	P		Y	Integer	DOM	Integer_0_0_0			
2	visaname				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	i94visa	I-94 What is the purpose of your visit to the United States? 1. Business, 2. Pleasure or 3. Student	
2	visaname	Visa Name	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_visa_pkey	PK				i94visa	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_visas_FK	fct_cic	Y	Y		i94visa	i94visa	

Table Name	public.dim_visatype
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Visa Type Dimension
Notes	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	visatype	P		Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
2	description				VARCHAR	DOM	VARCHAR_0_0_0			

Columns Comments

No	Column Name	Description	Notes
1	visatype	Class of admission legally admitting the non-immigrant to temporarily stay in U.S.	
2	description	Visa Type Description	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
dim_visatype_pkey	PK				visatype	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_visatype_FK	fct_cic	Y	Y		visatype	visatype	

Table Name	public.fct_cic
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Census Information Center I-94 Fact Table
Notes	

Number Of Columns	17
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	cicid	P		Y	Integer	DOM	Integer_0_0_0			
2	i94cit		F	Y	Integer	DOM	Integer_0_0_0			
3	i94res		F	Y	Integer	DOM	Integer_0_0_0			
4	i94port		F	Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
5	arrdate		F	Y	Timestamp (6)	DOM	Timestamp_6_0_0			
6	i94mode		F	Y	Integer	DOM	Integer_0_0_0			
7	i94addr		F	Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
8	depdate				Timestamp (6)	DOM	Timestamp_6_0_0			
9	i94bir				Integer	DOM	Integer_0_0_0			
10	i94visa		F	Y	Integer	DOM	Integer_0_0_0			
11	i94count				Integer	DOM	Integer_0_0_0			
12	matflag				VARCHAR (256)	DOM	VARCHAR_0_0_256			
13	biryear				Integer	DOM	Integer_0_0_0			
14	gender		F	Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
15	airline		F	Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			
16	fltno				VARCHAR (256)	DOM	VARCHAR_0_0_256			
17	visatype		F	Y	VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	cicid	Census Information Center (CIC) unique identifier	
2	i94cit	I-94 Passenger's Country of Citizenship	
3	i94res	I-94 Passenger's Country of Residence	
4	i94port	I-94 Port of Entry	
5	arrdate	Arrival Date	
6	i94mode	I-94 Mode of Arrival 1. Air, 2. Sea, 3. Land, 9. Not reported	
7	i94addr	I-94 Address or Province State Code	
8	depdate	Departure Date	
9	i94bir	I-94 Passenger's Birth Date	
10	i94visa	I-94 What is the purpose of your visit to the United States? 1. Business, 2. Pleasure or 3. Student	
11	i94count	I-94 Passenger Count - all values set to 1 for aggregation purposes	
12	matflag	Match of arrival and departure records	
13	biryear	Passenger's Year of Birth	
14	gender	Passenger's gender identity	
15	airline	The airline that the passenger arrived on	
16	fltno	The flight number of the airline	
17	visatype	Class of admission legally admitting the non-immigrant to temporarily stay in U.S.	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
fct_cic_pkey	PK				cicid	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_port_FK	dim_port	Y	Y		i94port	i94port	
fct_cic_dim_addr_FK	dim_addr	Y	Y		i94addr	i94addr	
fct_cic_dim_mode_FK	dim_mode	Y	Y		i94mode	i94mode	
fct_cic_dim_time_FK	dim_time	Y	Y		arrdate	starttime	
fct_cic_dim_visas_FK	dim_visas	Y	Y		i94visa	i94visa	
fct_cic_dim_cnty_FKv1	dim_cnty	Y	Y		i94res	i94cnty	

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
fct_cic_dim_cnty_FK	dim_cnty	Y	Y		i94cit	i94cnty	
fct_cic_dim_airline_FK	dim_airline	Y	Y		airline	airline	
fct_cic_dim_visatype_FK	dim_visatype	Y	Y		visatype	visatype	
fct_cic_dim_gender_FK	dim_gender	Y	Y		gender	gender	

Table Name	public.stg_cic
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Census Information Center I-94 Staging Table
Notes	

Number Of Columns	17
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	cicid				Integer	DOM	Integer_0_0_0			
2	i94cit				Integer	DOM	Integer_0_0_0			
3	i94res				Integer	DOM	Integer_0_0_0			
4	i94port				VARCHAR (256)	DOM	VARCHAR_0_0_256			
5	arrdate				VARCHAR (256)	DOM	VARCHAR_0_0_256			
6	i94mode				Integer	DOM	Integer_0_0_0			
7	i94addr				VARCHAR (256)	DOM	VARCHAR_0_0_256			
8	depdate				VARCHAR (256)	DOM	VARCHAR_0_0_256			
9	i94bir				Integer	DOM	Integer_0_0_0			
10	i94visa				Integer	DOM	Integer_0_0_0			
11	i94count				Integer	DOM	Integer_0_0_0			
12	matflag				VARCHAR (256)	DOM	VARCHAR_0_0_256			
13	biryear				Integer	DOM	Integer_0_0_0			
14	gender				VARCHAR (256)	DOM	VARCHAR_0_0_256			

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
15	airline				VARCHAR (256)	DOM	VARCHAR_0_0_256			
16	fltno				VARCHAR (256)	DOM	VARCHAR_0_0_256			
17	visatype				VARCHAR (256)	DOM	VARCHAR_0_0_256			

Columns Comments

No	Column Name	Description	Notes
1	cicid	Census Information Center (CIC) unique identifier	
2	i94cit	I-94 Passenger's Country of Citizenship	
3	i94res	I-94 Passenger's Country of Residence	
4	i94port	I-94 Port of Entry	
5	arrdate	Arrival Date	
6	i94mode	I-94 Mode of Arrival 1. Air, 2. Sea, 3. Land, 9. Not reported	
7	i94addr	I-94 Address or Province State Code	
8	depdate	Departure Date	
9	i94bir	I-94 Passenger's Birth Date	
10	i94visa	I-94 What is the purpose of your visit to the United States? 1. Business, 2. Pleasure or 3. Student	
11	i94count	I-94 Passenger Count - all values set to 1 for aggregation purposes	
12	matflag	Match of arrival and departure records	
13	biryear	Passenger's Year of Birth	
14	gender	Passenger's gender identity	
15	airline	The airline that the passenger arrived on	
16	fltno	The flight number of the airline	
17	visatype	Class of admission legally admitting the non-immigrant to temporarily stay in U.S.	