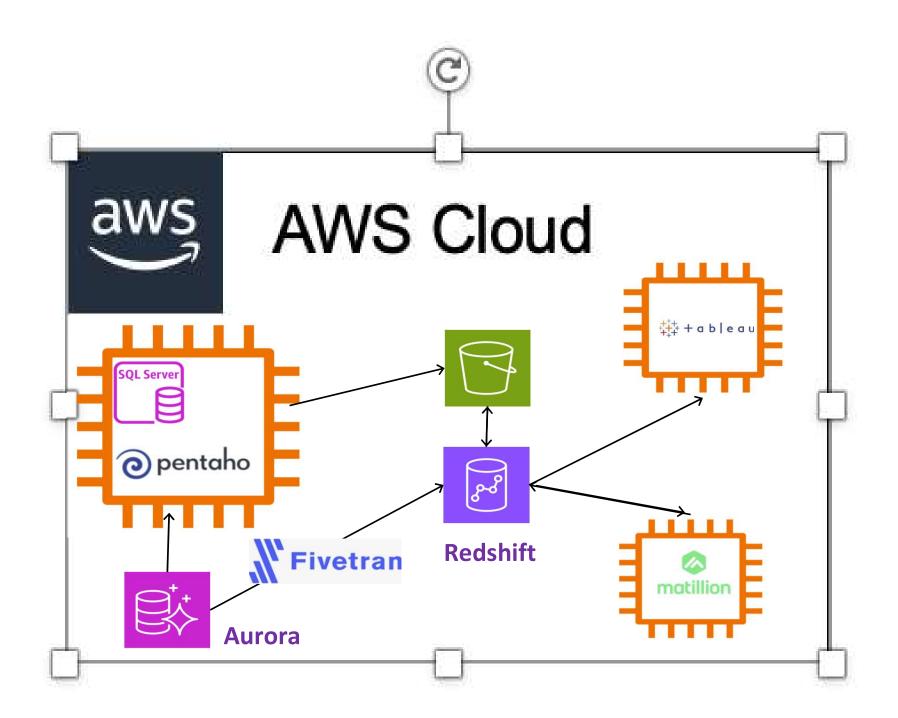
History

The original data warehouse structure and ETL processes were created by 4Sight (a third-party vendor).

It appears that it was initially designed for a tiny insurance company and later adapted to be more generalized for any insurance company.

I did not receive any support or assistance from the vendor.

The basic solution was substantially enhanced and tailored to meet the specific requirements of CSE.



#	DW Projects	Comment
	DATE_ID and MOMTH_ID in DIM_TIME and DIM_MONTH	
	dimensions were changed to YYYYMMDD and YYYYMM	Tiny change but how much time and efforts it saved!!! All our queries include a
1	format.	report period: month_id=YYYYMM or TransactionDt_Id>YYYYMMDD
	Redshift tables structures were re-done according best	
2	practises.	Redshift queries performance improved
		The data structure became more clear and time of the load from Ms SQL
3	Cleaned up unused measures.	improved.
	Removed history from few vanilla dimensions designed as SCD	
4	type 2 because the information is static in our business model.	The data have more sense without unneeded "wrong" historical records.
	Added new SCD type 2 dimensions where history is important	Risk attributes history allowed to estimate companies portfolios and model
5	for CSE.	rates.
		Based on the new data we built important data feeds like enterprise rate
	Added several new measures and the whole custom areas	system, modeling data, regulatory data calls and Tableau dashboards (Product
6	with new fact tables and dimensions.	performance dashboards, Book of Business, etc)
	Pentaho Data Integration ETL (Ms SQL) was gradually being	
	replaced by Redshift based ELT in Matillion and Redshift	The new architecture reduces the processing time and eliminate the most long
7	stored procedures.	process - load data from Ms SQL to Redshift.
	Few more similar DW solutions were built for other	
8	companies.	CSE provides reinsurance for these companies and need analyze their data
	Configured Redshift Spectrum Data Lake for text files we	Ability to query data from text files significantly reduced time to analyze new
9	receive from vendors.	information and add it in DW tables.
		With federated queries we were able to validat DW quality directly compare
	Configured Redshift Federated Queries to read Aurora	data to transactional system or add something in the reports and data feeds if
10	transactional data in DW if needed	it is not already in DW

DW Dims Bus Matrix

	fact policytransaction	fact policycoverage	fact policy	fact claimtransaction	fact_claim	fact auto modeldata	fact property modeldata	fact task	fact application
dim_address	Х	X			Χ				
dim_adjuster				Х	Χ				
dim_building	Х	X		Х	Х		Х		
dim_catastrophe									
dim_claim				Х	Χ				
dim_claimant					Χ				
dim_claimextension				Х	Х				
dim_claimrisk				Χ	X				
dim_claimtransactiontype				Х					
dim_coverage	Х	Χ		Х	Х				
dim_coveredrisk	Χ	Χ							
dim_coveredriskextension	Χ	Χ							
dim_customer								Х	
dim_deductible	Х	X		Х	Х				
dim_discount									
dim_driver	Х	Х			Х	Х			
dim_geography	Х	Χ		Х	Х				
dim_insured	Х	Χ	Х	Х	Χ				
vdim_company	Х	X	Х		Х				
dim_limit	Х	X		Х	Х				
dim_location	Х	X		Х	Х				
dim_policy	X	X	Χ	X	X	X	X	Χ	X
dim_policy_changes						X	Х		
dim_policyextension	Х	X	Χ	Х	Х				
dim_policytransactionextension	х	х							
dim_policytransactiontype	Х	Х							
dim_portaluser									
vdim_producer	Х	Х	Х	Х	Х	Х	Х	Х	Х
dim_product	Х	Х	Х	Х	х				Х
dim_status		Х	Х		Х				
dim_territory	Х	Х	Х	Х	Х				
dim_vehicle	Х	Х		Х	Χ				
dim_application								Х	Х
dim_task								Х	
dim_app_insured									Х
dim_app_vehicle									Х
dim_app_driver									х
dim_app_building									Х
dim_userinfo								Х	

DW Dims Bus Matrix

dim_task_completion_category				Х	
dim_uw_rules_applied				Χ	
dim_uw_rules				Χ	

DW Table	Schema in Redshift	Source (In most cases these are tables PRODCSE_D W in Aurora)	DW Table type	Comment
adjusterlookup	FSBI_DW_SPINN		Reporting table	
agency_reports	FSBI_DW_SPINN		Reporting table	Agency dashboard
bob_auto	FSBI_DW_SPINN		Reporting table	Book of Business dashboard
bob_building	FSBI_DW_SPINN		Reporting table	Book of Business dashboard
claimhistoricaldetails	FSBI_DW_SPINN		Historical data	See more details in https://cseinsurance.sharepoint.com/sites/BI/BI%20Wiki/ClaimHistoricalDetails.aspx
dim_address	FSBI_DW_SPINN	Addr	Dimension Type 1 (Dictionary)	Dictionary table. All available risk addresses in the system. The same data as address data in DIM_VEHICLE or DIM_BUILDING. Garage or Insured Lookup address for vehicles, Risk address for Homeowners and LandLords, Location address for commercial. The same approach as in PolicyStats.
dim_adjuster	FSBI_DW_SPINN	AllContacts, Provider, UserInfo	Dimension Type 1 (Dictionary)	
dim_app_building	FSBI_DW_SPINN		Dimension Type 1	Source: Building, Addr DW Table type: Dimension Type 1 Table description: Quotes and Applications Property and related policy attributes(rating variables and coverage limits or deductibles)
dim_app_driver	FSBI_DW_SPINN		Dimension Type 1	Source: DriverInfo, DriverPoints, PartyInfo, PersonInfo DW Table type: Dimension Type 1 Table description: Quotes and Application Drivers attributes

dim_app_insured	FSBI_DW_SPINN		Dimension Type 1	Source:Insured, ParttyInfo, NameInfo, PersonInfo, Addr, AllContacts, InsuranceScore DW Table type: Dimension Type 1 Table description: Quotes and Applications Insured info including mailing address and scores
dim_app_vehicle	FSBI_DW_SPINN		Dimension Type 1	Source: Vehicle, Addr DW Table type: Dimension Type 1 Table description:Quotes and Application Vehicle and related policy attributes(rating variables and coverage limits or deductibles)
dim_application	FSBI_DW_SPINN		Dimension Type 1	Source:Appliaction, QuoteInfo, BasicPolicy,Task,Line, BasicPolicy, Building,Risk DW Table type: Dimension Type 1 Table description: Quotes and Applications base info
dim_building	FSBI_DW_SPINN	Building, Addr, Coverage	Slowly Changing Dimension Type 2	Homeowners, LandLords and Commercial buildings details at the level of mid-term changes. ValidFrom - ValidTo are based on transaction effective dates
dim_buildingrisk	FSBI_DW_SPINN	Building, RiskGroup	Slowly Changing Dimension Type 2	It's a very special case of one to many join from a Fact table to this dimension. Use DIM_GROUP_BRIDGE and DIM_COVEREDRISKEXTENSION to join to Fact tables vis PRIMARYRISKEXTENSION_ID
dim_catastrophe	Public	Catastrophe,	Dimension Type 1 (Dictionary)	Catastrophe list from SPINN, WINS
dim_claim	FSBI_DW_SPINN	ClaimStats	Dimension Type 1	Claimnumber, date of loss, reported date, policy term
dim_claimant	FSBI_DW_SPINN	Claim, Claimant, AllContacts, PersonInfo	Dimension Type 1 (Dictionary)	Claimant names, contact info

	1			Ţ
dim_claimextension	FSBI_DW_SPINN	ClaimStats,C laim,Propert ydamaged,C atastrophe	Dimension Type 1	Claim details. See dim_claimextension for more details
dim_claimrisk	FSBI_DW_SPINN	ClaimPolicyI nfo,PolicyRi sk,Property Damaged,V ehicle,Risk,D riverInfo,Per sonInfo,Buil ding,Locatio n	Dimension Type 0	Claim risks. Use FACT_CLAIMTRANSACTION.PRIMARYRISK_ID to join. It's a table for a special purposes. Use direct links to risk items from FACT tables via VEHICLE_ID, DRIVER_ID, BUILDING_ID and LOCATION_ID
dim_claimtransactiontype	FSBI_DW_SPINN		Dimension Type 1 (Dictionary)	DW special table
dim_classification	FSBI_DW_SPINN	PolicyStats	Dimension Type 1 (Dictionary)	Insured items (Bicycles, Cameras, Coins) Rare used
dim_coverage	FSBI_DW_SPINN	PolicyStats, ClaimStats	Dimension Type 1 (Dictionary)	Dictionary table. All available Coverage codes, ASL, SubLine
dim_coverageextension	Public		Dimension Type 1 (Dictionary)	Manually populated, used for coverage custom grouping and descriptions
dim_coveredrisk	FSBI_DW_SPINN	Risk, DriverLink,V ehicle, Building, DriverInfo,P ersonInfo, Location	Dimension Type 0	Risk details at the level of mid-term changes. There are very basic risk information (risk number, VIN, Driver License, inception date) and links to DIM_VEHICLE, DIM_BUILDING, DIM_DRIVER and DIM_LOCATION. Useful in special cases when Risk Type is needed. Widely used in ETL. Use direct links to risk items from FACT tables via VEHICLE_ID, DRIVER_ID, BUILDING_ID and LOCATION_ID

dim_coveredriskextension	FSBI_DW_SPINN	Risk,DriverIn fo,Building,L ocation		Risk groups description: Building Risks for Commercial, Drivers groups for Auto. See also DIM_GROUP_BRIDGE. Can be exluded in queries. The primary Id is the same as in DIM_COVEREDRISK. It was added just to describe relationshipd between risks
			Dimension Type 0	
dim_customer	FSBI_DW_SPINN	Customer	Dimension	Customer name and contacts
dim_deductible	FSBI_DW_SPINN	PolicyStats, ClaimStats	Dimension Type 1 (Dictionary)	Dictionary table. All available deductibles. Based on PolicyStats. As good as PolicyStats
dim_discount	FSBI_DW_SPINN		Dimension Type 1 (Dictionary)	Dictionary of discounts
dim_driver	FSBI_DW_SPINN	DriverInfo, PersonInfo, DriverPoints , LossHistory	Slowly Changing Dimension Type 2	Drivers attributes, discounts, MVR at the level of mid-term changes. ValidFrom - ValidTo are based on transaction effective dates
dim_geography	FSBI_DW_SPINN	Addr	Dimension Type 1 (Dictionary)	Dictionary table. The same as address but with less details (no postal code, street address etc)
dim_group_bridge	FSBI_DW_SPINN	Risk,DriverIn fo,Building,L ocation	Dimension Type 0	Detail relationships between risks: location and buildings (buildinrisks); vehicles and not primary assigned drivers at the level of mid-term changes. If you need just number of buildings (building risks) per location or TIV you can use DIM_LOCATION
dim_insured	FSBI_DW_SPINN	Insured,Na meInfo,Pers onInfo,Addr, AllContacts,I nsuranceSco re	Dimension Type 1	Insured names, date of birth, credit scores

dim_limit	FSBI_DW_SPINN	PolicyStats,		Dictionary table. All available limits combinations. Based
		ClaimStats	Dimension Type 1 (Dictionary)	on PolicyStats. As good as PolicyStats
		Location,		
dim_location	FSBI_DW_SPINN	LocationRisk		Extension of DIM_BUILDING for commercial LOB at the
		Group, Risk,	Slowly Changing Dimension	level of mid-term changes. ValidFrom - ValidTo are based
		Building	Type 2	on transaction effective dates.
				For backward compatibility only, not needed in new
dim_month	FSBI_DW_SPINN			projects, all foreign keys (date fields) are integers in
			Dimension Type 1 (Dictionary)	format YYYYMM
dim_newrenewal	FSBI_DW_SPINN			Not needed. New or Renewal values are available directly
diii_iiewiciiewai	1301_0 W_31 11VIV		Dimension Type 1 (Dictionary)	
dim_policy	FSBI DW SPINN			PolicyNumber, Version (pol_policynumbersuffix), State See
	1301_0 W_31 11V1V	BasicPolicy	Dimension Type 1	dim_policyextension for more details
dim_policy_changes	FSBI_DW_SPINN			Policy level attributes which can be changed at mid-term
			Slowly Changing Dimension	are needed at mid-term change level. ValidFrom - ValidTo
		BasicPolicy	Type 2	are based on transaction effective dates.
		BasicPolicy,		
dim_policyextension	FSBI DW SPINN	Line,		
_' ,		ArTrans,		
		PaperlessDe		
		liveryPolicy,	Dimension Type 1	Policy details
		Dalla Grata		
dim_policytransactionexte	FSBI_DW_SPINN	PolicyStats,		
		Transaction	Diameter Total	T
		History	Dimension Type 1	Transaction descriptions
dim_policytransactiontype	FSBI_DW_SPINN		Dimension Type 1 (Dictionary)	DW special table
de la constanta de la constant	ECDI DIA CDININ	CustomerLo	,, , , , , , , , , , , , , , , , , , , ,	Basic information about registration and last logon to
dim_portaluser	FSBI_DW_SPINN	gin	Dimension	Customer Portal

	T	1	1	
dim_product	FSBI_DW_SPINN			Besides ProductIdRef there is LOB and other product
		BasicPolicy	Dimension Type 1 (Dictionary)	classification
dim_product_finance_atti	Public			
dim_status	FSBI_DW_SPINN		Dimension Type 1 (Dictionary)	DW special table with policies and claims statuses
dim_task	FSBI_DW_SPINN		Dimension Type 1	Source:Task, TaskLink,Claim,UserInfo, Application, QuoteInfo, Basicpolicy, ClaimPolicyInfo, Provider DW Table type: Dimension Type 1 Table description: Tasks base info
dim_task_completion_cat egory	FSBI_DW_SPINN		Dimension Type 1	Source:TaskInfo DW Table type: Dimension Type 1 Table description: Tasks base info
dim_territory	FSBI_DW_SPINN	BasicPolicy	Dimension Type 1 (Dictionary)	Dictionary table. All available territories. Rare used. Territory from dim_production_ams is more usable
dim_time	FSBI_DW_SPINN		Dimension Type 1 (Dictionary)	For backward compatibility only, not needed in new projects, all foreign keys are integers in format YYYYMMDD
dim_userinfo	FSBI_DW_SPINN		Dimension Type 1	Source:UserInfo DW Table type: Dimension Type 1 Table description: SPINN users
dim_uw_rules	FSBI_DW_SPINN		Dimension Type 1 (Dictionary)	Source:ValidationError DW Table type: dictionary dimension Table description: Underwritting rules
dim_uw_rules_applied	FSBI_DW_SPINN		Dimension Type 1	Source:ValidationError DW Table type: Dimension Type 1 Table description: Underwritting rules applied to Qoutes and Applications
dim_vehicle	FSBI_DW_SPINN	Vehicle, Carfax,Carfa xOdometer Problem,Car faxTitleBran d,	Slowly Changing Dimension Type 2	Vehicle attributes at mid-term changes level. ValidFrom - ValidTo are based on transaction effective dates
execprod_plan	FSBI_DW_SPINN	Excel file	Reporting Table	Plan and forecast for Results Committee dashboard
execprod_plan20180605	FSBI_DW_SPINN	Excel file	Reporting Table	Retired Plan and forecast for Results Committee dashboard

				Source: Coverage, Limit, Deductible, DriverLink, Vehicle,
				DriverInfo, ParttyInfo, PersonalInfo,Building DW Tables
fact_application	FSBI_DW_SPINN			type: transactional fact table Table description: Quotes
				and Applications coverages, limits, deductibles and
			 Fact table	premium (FullTermAmt)
		Application,		
fact_auto_modeldata	FSBI_DW_SPINN	Transaction		
act_dato_modeladta	551_577_5111717	History	 Fact table	Mid-Term changes in Auto
		The same		
		info as in		
		ClaimSumm		
fact claim	FSBI DW SPINN	aryStats but		
_		build		Monthly claim summaries. Months are based on
		independen		accounting dates. You need to aggregate amounts from
		tly in DW	Fact Monthly Summary table	this table
		1	,	
 fact_claimcatastrophe_rel	FSBI DW SPINN	Claim,		
		Catastrophe	Fact table	Detail relations between claims and catastrophies
fort alabatus assetion	ECDL DIAL CDIAIN			Claim transactions with links to risk items (vehicle, driver,
fact_claimtransaction	FSBI_DW_SPINN	ClaimStats	Fact table	building)
		Policy,Custo		
fact_customer_rel	FSBI_DW_SPINN	merLogin,Pa		
		perLessDeliv		
		eryPolicy	Fact table	Links between policies, customers and portal users.
		Application,		
fact_ho_ll_modeldata	FSBI_DW_SPINN	Transaction		
		History	Fact table	Mid-Term changes in Homeowners and LandLords
fact_policy	FSBI_DW_SPINN			Monthly summaries at policy term level. Months are
poncy	1 201 D VV 3FIIVIV		Fact Monthly Summary table	based on accounting dates
fact_policy_discount	FSBI_DW_SPINN		Fact table	Policy discounts

fact_policycoverage	FSBI_DW_SPINN	The same info as in PolicySumm aryStats but build independen tly in DW	Fact Monthly Summary table	Monthly summaries at coverage level plus monthly policy state of coverages and risks (limits, deductibles) Months are based on accounting dates. You need to aggregate amounts from this table.
fact_policytransaction	FSBI_DW_SPINN	PolicyStats	Fact table	Policy transactions with correct risk addresses and fully populated risk items (vehicle, building, drivers)
fact_task	FSBI_DW_SPINN		Fact table	Source:Task, TaskHistory, TaskLink,Claim,UserInfo, Application, QuoteInfo, Basicpolicy, ClaimPolicyInfo, Provider DW Table type: Fact table Table description: Tasks relations to policies, applications or quotes, owners (current and historical), applied applications rules, completion categories
feature_stats	FSBI_DW_SPINN		Reporting Table	
rag_lookup	FSBI_DW_SPINN		Reporting Table	
ratechange	FSBI_DW_SPINN		Reporting Table	
spinn_payments	FSBI_DW_SPINN		Reporting Table	
territorymapping	Public			
userinfo	FSBI_DW_SPINN		Reporting Table	
vdim_company	FSBI_DW_SPINN		Dimension	Physical table dim_legalentity_other contains few entities like Company with very small number of records
vdim_producer	FSBI_DW_SPINN	AllContacts, Provider, AMS export	Dimension	The view is based on dim_producer and dim_producer_ams Use VDIM_PRODUCER to have infor from SPINN and AMS together
vmfact_claimtransaction_	Public			
vmreserves_accidentyear	FSBI_DW_SPINN		Materialized view	
vmreserves_claim	FSBI_DW_SPINN		Materialized view	

vmreserves_feature	FSBI_DW_SPINN	Materialized view	
calendar	Public		
dim_carrier	Public		
vmfact_claim_blended	Public		
vmfact_claimtransacton_u	Public		

Fact	Fact Column	join	Dimension	Dimension Column
fact_claim	class_id	=	dim_classification	class_id
fact_claim	primaryriskaddress_id	=	dim_address	address_id
fact_claim	primaryriskgeography_id	=	dim_geography	geography_id
fact_claim	primaryriskextension_id	=	dim_coveredriskextension	coveredriskextension_id
fact_claim	primaryrisk_id	=	dim_coveredrisk	coveredrisk_id
fact_claim	deductible_id	=	dim_deductible	deductible_id
fact_claim	limit_id	=	dim_limit	limit_id
fact_claim	firstinsured_id	=	dim_insured	insured_id
fact_claim	closeddate_id	=	dim_time	time_id
fact_claim	openeddate_id	=	dim_time	time_id
fact_claim	dateofloss_id	=	dim_time	time_id
fact_claim	datereported_id	=	dim_time	time_id
fact_claim	claimlossaddress_id	=	dim_address	address_id
fact_claim	claimlossgeography_id	=	dim_geography	geography_id
fact_claim	claimstatus_id	=	dim_status	status_id
fact_claim	claimextension_id	=	dim_claimextension	claimextension_id
fact_claim	claim_id	=	dim_claim	claim_id
fact_claim	primaryriskterritory_id	=	dim_territory	territory_id
fact_claim	policymasterterritory_id	=	dim_territory	territory_id
fact_claim	producer_id	=	dim_producer	producer_id
fact_claim	policyexpirationdate_id	=	dim_time	time_id
fact_claim	policyeffectivedate_id	=	dim_time	time_id
fact_claim	policy_id	=	dim_policy	policy_id
fact_claim	company_id	=	dim_legalentity_other	legalentity_id
fact_claim	product_id	=	dim_product	product_id
fact_claim	adjuster_id	=	dim_adjuster	adjuster_id
fact_claim	coverageexpirationdate_id	=	dim_time	time_id
fact_claim	coverageeffectivedate_id	=	dim_time	time_id
fact_claim	coverage_id	=	dim_coverage	coverage_id
fact_claim	month_id	=	dim_month	month_id
fact_claimtransaction	class_id	=	dim_classification	class_id
fact_claimtransaction	primaryriskterritory_id	=	dim_territory	territory_id
fact_claimtransaction	primaryriskaddress_id	=	dim_address	address_id

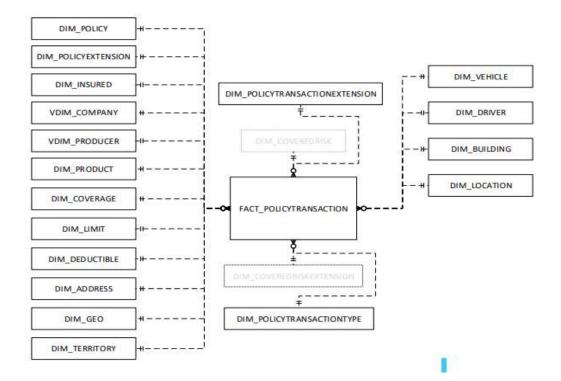
fact_claimtransaction	primaryriskgeography_id	=	dim_geography	geography_id
fact_claimtransaction	primaryriskextension_id	=	dim_coveredriskextension	coveredriskextension_id
fact_claimtransaction	primaryrisk_id	=	dim_coveredrisk	coveredrisk_id
fact_claimtransaction	policymasterterritory_id	=	dim_territory	territory_id
fact_claimtransaction	dateofloss_id	=	dim_time	time_id
fact_claimtransaction	datereported_id	=	dim_time	time_id
fact_claimtransaction	closeddate_id	=	dim_time	time_id
fact_claimtransaction	openeddate_id	=	dim_time	time_id
fact_claimtransaction	coverageexpirationdate_id	=	dim_time	time_id
fact_claimtransaction	coverageeffectivedate_id	=	dim_time	time_id
fact_claimtransaction	deductible_id	=	dim_deductible	deductible_id
fact_claimtransaction	limit_id	=	dim_limit	limit_id
fact_claimtransaction	coverage_id	=	dim_coverage	coverage_id
fact_claimtransaction	policyexpirationdate_id	=	dim_time	time_id
fact_claimtransaction	policyeffectivedate_id	=	dim_time	time_id
fact_claimtransaction	policy_id	=	dim_policy	policy_id
fact_claimtransaction	claimlossaddress_id	=	dim_address	address_id
fact_claimtransaction	claimlossgeography_id	=	dim_geography	geography_id
fact_claimtransaction	claimstatus_id	=	dim_status	status_id
fact_claimtransaction	claimextension_id	=	dim_claimextension	claimextension_id
fact_claimtransaction	claim_id	=	dim_claim	claim_id
fact_claimtransaction	firstinsured_id	=	dim_insured	insured_id
fact_claimtransaction	company_id	=	dim_legalentity_other	legalentity_id
fact_claimtransaction	product_id	=	dim_product	product_id
fact_claimtransaction	producer_id	=	dim_producer	producer_id
fact_claimtransaction	adjuster_id	=	dim_adjuster	adjuster_id
fact_claimtransaction	claimtransactiontype_id	=	dim_claimtransactiontype	claimtransactiontype_id
fact_claimtransaction	accountingdate_id	=	dim_time	time_id
fact_claimtransaction	transactiondate_id	=	dim_time	time_id
fact_policy	policymasterterritory_id	=	dim_territory	territory_id
fact_policy	policystatus_id	=	dim_status	status_id
fact_policy	policyexpirationdate_id	=	dim_time	time_id
fact_policy	policyeffectivedate_id	=	dim_time	time_id
fact_policy	policyextension_id	=	dim_policyextension	policyextension_id

fact_policy	policy_id	=	dim_policy	policy_id
fact_policy	firstinsured id	=	dim insured	insured id
fact_policy	company_id	=	dim_legalentity_other	legalentity_id
	product id	=	dim_product	
fact_policy		-		product_id
fact_policy	producer_id	=	dim_producer	producer_id
fact_policy	month_id	=	dim_month	month_id
fact_policycoverage	month_location_id	=	dim_location	location_id
fact_policycoverage	month_building_id	=	dim_building	building_id
fact_policycoverage	month_driver_id	=	dim_driver	driver_id
fact_policycoverage	month_vehicle_id	=	dim_vehicle	vehicle_id
fact_policycoverage	location_id	=	dim_location	location_id
fact_policycoverage	building_id	=	dim_building	building_id
fact_policycoverage	driver_id	=	dim_driver	driver_id
fact_policycoverage	vehicle_id	=	dim_vehicle	vehicle_id
fact_policycoverage	primaryriskaddress_id	=	dim_address	address_id
fact_policycoverage	primaryriskgeography_id	=	dim_geography	geography_id
fact_policycoverage	primaryriskextension_id	=	dim_coveredriskextension	coveredriskextension_id
fact_policycoverage	primaryrisk_id	=	dim_coveredrisk	coveredrisk_id
fact_policycoverage	class_id	=	dim_classification	class_id
fact_policycoverage	deductible_id	=	dim_deductible	deductible_id
fact_policycoverage	limit_id	=	dim_limit	limit_id
fact_policycoverage	primaryriskterritory_id	=	dim_territory	territory_id
fact_policycoverage	policymasterterritory_id	=	dim_territory	territory_id
fact_policycoverage	coverageexpirationdate_id	=	dim_time	time_id
fact_policycoverage	coverageeffectivedate_id	=	dim_time	time_id
fact_policycoverage	coverage_id	=	dim_coverage	coverage_id
fact_policycoverage	policystatus_id	=	dim_status	status_id
fact_policycoverage	policyexpirationdate_id	=	dim_time	time_id
fact_policycoverage	policyeffectivedate_id	=	dim_time	time_id
fact_policycoverage	policyextension_id	=	dim_policyextension	policyextension_id
fact_policycoverage	policy_id	=	dim_policy	policy_id
fact_policycoverage	firstinsured id	=	dim insured	insured id
fact_policycoverage	company_id	=	dim_legalentity_other	legalentity_id
fact_policycoverage	product_id	=	dim_product	product_id

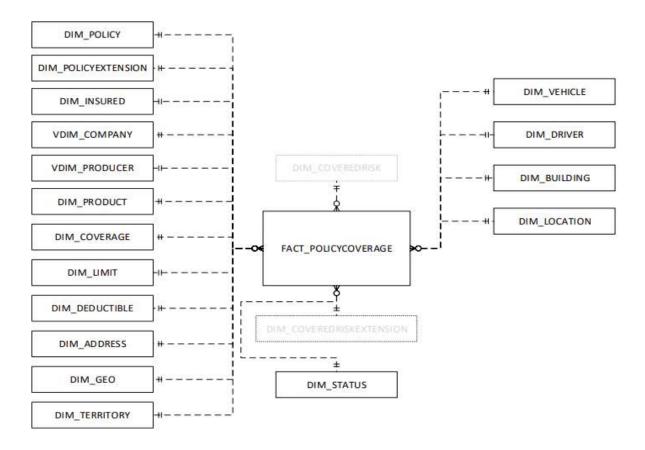
fact_policycoverage	producer id	=	dim_producer	producer id
fact_policycoverage	month id	=	dim month	month_id
fact_policytransaction	trn location id	=	dim_location	location_id
fact_policytransaction	trn_building_id	=	dim_building	building_id
fact policytransaction	trn driver id	=	dim driver	driver_id
fact_policytransaction	trn_vehicle_id	=	dim_vehicle	vehicle_id
fact_policytransaction	location_id	=	dim_location	location_id
fact_policytransaction	building_id	=	dim_building	building_id
fact_policytransaction	driver_id	=	dim_driver	driver_id
fact_policytransaction	vehicle_id	=	dim_vehicle	vehicle_id
fact_policytransaction	class_id	=	dim_classification	class_id
fact_policytransaction	primaryriskaddress_id	=	dim_address	address_id
fact_policytransaction	primaryriskgeography_id	=	dim_geography	geography_id
fact_policytransaction	primaryriskextension_id	=	dim_coveredriskextension	coveredriskextension_id
fact_policytransaction	primaryrisk_id	=	dim_coveredrisk	coveredrisk_id
fact_policytransaction	policytransaction extension_id	=	dim_policytransactionextension	policytransactionextension_id
fact_policytransaction	deductible_id	=	dim_deductible	deductible_id
fact_policytransaction	limit_id	=	dim_limit	limit_id
fact_policytransaction	coverageexpirationdate_id	=	dim_time	time_id
fact_policytransaction	coverageeffectivedate_id	=	dim_time	time_id
fact_policytransaction	coverage_id	=	dim_coverage	coverage_id
fact_policytransaction	policyexpirationdate_id	=	dim_time	time_id
fact_policytransaction	policyeffectivedate_id	=	dim_time	time_id
fact_policytransaction	policyextension_id	=	dim_policyextension	policyextension_id
fact_policytransaction	policy_id	=	dim_policy	policy_id
fact_policytransaction	producer_id	=	dim_producer	producer_id
fact_policytransaction	policytransactiontype_id	=	dim_policytransactiontype	policytransactiontype_id
fact_policytransaction	primaryriskterritory_id	=	dim_territory	territory_id
fact_policytransaction	policymasterterritory_id	=	dim_territory	territory_id
fact_policytransaction	company_id	=	dim_legalentity_other	legalentity_id
fact_policytransaction	product_id	=	dim_product	product_id
fact_policytransaction	firstinsured_id	=	dim_insured	insured_id
fact_policytransaction	effectivedate_id	=	dim_time	time_id
fact_policytransaction	accountingdate_id	=	dim_time	time_id

fact policytransaction	transactiondate id	l <u>=</u>	dim time	time id
[ract_poncytransaction	rtianisactionaatc_ia	1 —	lann_cime	time_ia

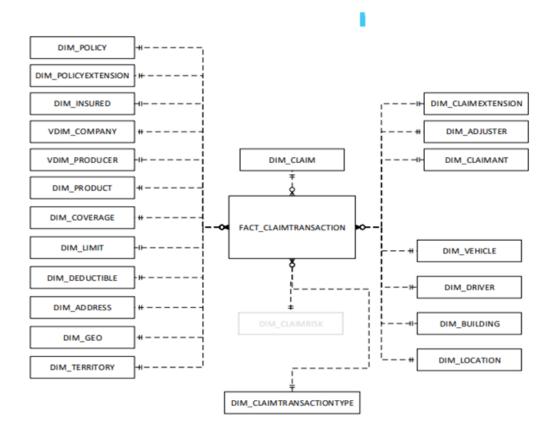
FACT_POLICYTRANSACTION



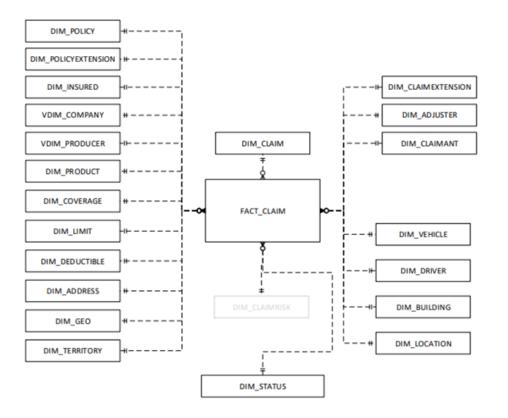
FACT_POLICYCOVERAGE



FACT_CLAIMTRANSACTION



FACT_CLAIM



schema	table	column	description
fsbi_dw_spinn	fact_claim	alc_exp_pd_amt	Amount of allocated expenses(ALAE) paid (monthly amount)
			Amount of allocated expenses(ALAE) paid (inception-to-date) *** This is a point-
fsbi_dw_spinn	fact_claim	alc_exp_pd_amt_itd	in-time number and should only be used with an Accounting Month and
			Accounting Year included in the report
fsbi_dw_spinn	fact_claim	alc_exp_pd_amt_ytd	Amount of allocated expenses(ALAE) paid (year-to-date)
fals: due anima	foot aloine	ala ave sami alama anat	Change in allocated expense reserve(Outstanding ALAE reserve) amount
fsbi_dw_spinn	fact_claim	alc_exp_rsrv_chng_amt	(monthly amount)
			Allocated expense reserve(Outstanding ALAE reserve) amount (inception-to-
fsbi_dw_spinn	fact_claim	alc_exp_rsrv_chng_amt_itd	date) *** This is a point-in-time number and should only be used with an
			Accounting Month and Accounting Year included in the report
fahi duy aninn	fact claim	ale ave rest character utd	Change in allocated expense reserve(Outstanding ALAE reserve) amount (year-
fsbi_dw_spinn	fact_claim	alc_exp_rsrv_chng_amt_ytd	to-date)
			The claim unique ID that uniquely identifies each claim. This value has been
fsbi_dw_spinn	fact_claim	claim_uniqueid	degenerated from the claim dimension table to provide unique counts and
			improved query performance.
fahi duu aninn	fact claim	claimnumber	The number associated with this claim. This is inserted into the fact table to do
fsbi_dw_spinn	fact_claim	Claimnumber	distinct counts.
			Indicates if the claim was closed in the month. 1 = Closed In the Month, 0 = Not
fsbi_dw_spinn	fact_claim	clm_closed_in_month	Closed in the Month. The field can be summed to get the number of claims
			closed in a given month.
			Indicates if the claim was closed with losses paid in the month. 1 = Closed In the
fsbi_dw_spinn	fact_claim	clm_closed_with_pay	Month with Pay, 0 = Not Closed in the Month. The field can be summed to get
lisbi_dw_spiiiii	l'act_claiiii	ciii_ciosed_witii_pay	the number of claims closed with pay in a given month.
			the number of claims closed with pay in a given month.
			Indicates if the claim was closed in the month and had no losses paid on it. 1 =
fsbi_dw_spinn	fact_claim	clm_closed_without_pay	Closed In the Month without Pay, 0 = Not Closed in the Month. The field can be
1361_dw_3piiiii	Tacc_claiiii	ciii_ciosca_witiloat_pay	summed to get the number of claims closed in a given month without pay.
fsbi_dw_spinn	fact_claim	clm_days_open	Returns the number of days a claim has been open (month-to-date)
fsbi_dw_spinn	fact_claim	clm_days_open_itd	Returns the number of days a claim has been open (inception-to-date)
			Indicates if the claim was opened in the month. 1 = Opened In the Month, 0 =
fsbi_dw_spinn	fact_claim	clm_opened_in_month	Not Opened in the Month. The field can be summed to get the number of
			claims opened in a given month.
			The coverage unique ID that uniquely identifies each coverage. This value has
fsbi_dw_spinn	fact_claim	coverage_uniqueid	been degenerated from the coverage dimension table to provide improved
			performance when loading the warehouse.
			Indicates if the claim feature was closed in the month. 1 = Closed In the Month,
fsbi_dw_spinn	fact_claim	feat_closed_in_month	0 = Not Closed in the Month. The field can be summed to get the number of
			claim features closed in a given month.

fact_claim	feat_closed_with_pay	Indicates if the claim feature was closed with losses paid in the month. 1 = Closed In the Month with Pay, 0 = Not Closed in the Month. The field can be summed to get the number of claim features closed with pay in a given month.
fact_claim	feat_closed_without_pay	Indicates if the claim feature was closed in the month and had no losses paid on it. 1 = Closed In the Month without Pay, 0 = Not Closed in the Month. The field can be summed to get the number of claim features closed in a given month without pay.
fact_claim	feat_days_open	Returns the number of days a claim feature has been open (month-to-date)
fact_claim	feat_days_open_itd	Returns the number of days a claim feature has been open (inception-to-date)
fact_claim	feat_opened_in_month	Indicates if the claim feature was opened in the month. 1 = Opened In the Month, 0 = Not Opened in the Month. The field can be summed to get the number of claim features opened in a given month.
fact claim	insuredage	Age of the first insured.
fact_claim		Loss(Indemnity) paid amount (monthly amount)
fact_claim	loss_pd_amt_itd	Loss(Indemnity) paid amount (inception-to-date) *** This is a point-in-time number and should only be used with an Accounting Month and Accounting Year included in the report
fact_claim	loss_pd_amt_ytd	Loss(Indemnity) paid amount (year-to-date)
fact_claim	loss_rsrv_chng_amt	Change in the loss reserve(Outstanding case reserve) amount (monthly amount)
fact_claim	loss_rsrv_chng_amt_itd	Loss reserve(Outstanding case reserve) amount (inception-to-date) *** This is a point-in-time number and should only be used with an Accounting Month and Accounting Year included in the report
fact_claim	loss_rsrv_chng_amt_ytd	Change in the loss reserve(Outstanding case reserve) amount (year-to-date)
fact_claim	masterclaim	Indicates that this is the master record for the claim - the record that contains the overall claim status counts
fact_claim	policy_uniqueid	The policy unique ID that uniquely identifies each policy. This value has been degenerated from the policy dimension table to provide unique counts and improved query performance.
fact_claim	salvage_recv_chng_amt	Change in salvage received(recovered) amount (monthly amount)
fact_claim	salvage_recv_chng_amt_itd	Change in salvage received(recovered) amount (inception-to-date) *** This is a point-in-time number and should only be used with an Accounting Month and Accounting Year included in the report
fact_claim	salvage_recv_chng_amt_ytd	Change in salvage received(recovered) amount (year-to-date)
fact_claim	salvage_rsrv_chng_amt	Change in salvage reserve amount (monthly amount)
	fact_claim fact_claim	fact_claim feat_closed_without_pay fact_claim feat_days_open fact_claim feat_days_open_itd fact_claim feat_opened_in_month fact_claim loss_pd_amt fact_claim loss_pd_amt fact_claim loss_pd_amt_itd fact_claim loss_rsrv_chng_amt fact_claim loss_rsrv_chng_amt fact_claim loss_rsrv_chng_amt_itd fact_claim loss_rsrv_chng_amt_itd fact_claim loss_rsrv_chng_amt_itd fact_claim salvage_recv_chng_amt fact_claim salvage_recv_chng_amt_itd fact_claim salvage_recv_chng_amt_itd fact_claim salvage_recv_chng_amt_itd

			Change in salvage reserve amount (inception-to-date) *** This is a point-in-time
fsbi_dw_spinn	fact_claim	salvage_rsrv_chng_amt_itd	number and should only be used with an Accounting Month and Accounting
	-		Year included in the report
fsbi_dw_spinn	fact_claim	salvage_rsrv_chng_amt_ytd	Change in salvage reserve amount (year-to-date)
fsbi_dw_spinn	fact_claim	subro_recv_chng_amt	Change in received(recovered) subrogation amount (monthly amount)
			Change in received(recovered) subrogation amount (inception-to-date) *** This
fsbi_dw_spinn	fact_claim	subro_recv_chng_amt_itd	is a point-in-time number and should only be used with an Accounting Month
			and Accounting Year included in the report
fsbi_dw_spinn	fact_claim	subro_recv_chng_amt_ytd	Change in received(recovered) subrogation amount (year-to-date)
fsbi_dw_spinn	fact_claim	subro_rsrv_chng_amt	Change in reserve subrogation amount (monthly amount)
			Amount of reserve subrogation (inception-to-date) *** This is a point-in-time
fsbi_dw_spinn	fact_claim	subro_rsrv_chng_amt_itd	number and should only be used with an Accounting Month and Accounting
			Year included in the report
fsbi_dw_spinn	fact_claim	subro_rsrv_chng_amt_ytd	Change in reserve subrogation amount (year-to-date)
fsbi_dw_spinn	fact_claim	ualc_exp_pd_amt	Amount of unallocated expenses paid (monthly amount)
			Amount of unallocated expenses paid (inception-to-date) *** This is a point-in-
fsbi_dw_spinn	fact_claim	ualc_exp_pd_amt_itd	time number and should only be used with an Accounting Month and
	C		Accounting Year included in the report
fsbi_dw_spinn	fact_claim	ualc_exp_pd_amt_ytd	Amount of unallocated expenses paid (year-to-date)
fsbi_dw_spinn	fact_claim	ualc_exp_rsrv_chng_amt	Change in unallocated expense reserve amount (monthly amount) Unallocated expense reserve amount (inception-to-date) *** This is a point-in-
fshi duy sninn	fact claim	uals over reny charg amt itd	time number and should only be used with an Accounting Month and
fsbi_dw_spinn	fact_claim	ualc_exp_rsrv_chng_amt_itd	,
fsbi dw spinn	fact_claim	ualc_exp_rsrv_chng_amt_ytd	Accounting Year included in the report Change in unallocated expense reserve amount (year-to-date)
fsbi_dw_spinn	fact_policy	cncl_prem_amt	Month-to-date cancellation premium amount.
fsbi_dw_spinn	fact_policy	cncl_prem_amt_itd	Inception-to-date cancellation premium amount.
	fact_policy	cncl prem amt ytd	Year-to-date cancellation premium amount.
fsbi_dw_spinn		<u> </u>	Month-to-date producer commission amount
fsbi_dw_spinn	fact_policy	comm_amt	·
fsbi_dw_spinn	fact_policy	comm_amt_itd	Inception-to-date producer commission amount
fsbi_dw_spinn	fact_policy	comm_amt_ytd	Year-to-date producer commission amount
fsbi_dw_spinn	fact_policy	earned_prem_amt	Month-to-date earned premium amount.
fsbi_dw_spinn	fact_policy	earned_prem_amt_itd	Inception-to-date earned premium amount.
fsbi_dw_spinn	fact_policy	earned_prem_amt_ytd	Year-to-date earned premium amount.
fsbi_dw_spinn	fact_policy	endorse_prem_amt	Month-to-date endorsement premium amount
fsbi_dw_spinn	fact_policy	endorse_prem_amt_itd	Inception-to-date endorsement premium amount
fsbi_dw_spinn	fact_policy	endorse_prem_amt_ytd	Year-to-date endorsement premium amount
fsbi_dw_spinn	fact_policy	fees_amt	Month-to-date fees collected on a policy
fsbi_dw_spinn	fact_policy	fees_amt_itd	Inception-to-date fees collected on a policy

fsbi_dw_spinn	fact_policy	fees_amt_ytd	Year-to-date fees collected on a policy
fsbi_dw_spinn	fact_policy	gross carned prom amt	Month-to-date gross earned premium amount for this coverage. Does not
ISDI_uw_spiiiii	ract_policy	gross_earned_prem_amt	include cancellation or reinstatement premium.
fchi duy cninn	fact policy	gross carned arem amt itd	Inception-to-date gross earned premium amount for this coverage. Does not
fsbi_dw_spinn	fact_policy	gross_earned_prem_amt_itd	include cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policy	gross_earned_prem_amt_ytd	Year-to-date gross earned premium amount for this coverage. Does not include
ISDI_uw_spiiiii	ract_policy	gross_earneu_prem_amt_ytu	cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policy	gross_wrtn_prem_amt	Month-to-date gross written premium amount for this coverage. Does not
	ract_poncy	Bross_wren_prem_ame	include cancellation or reinstatement premium.
fsbi_dw_spinn	fact policy	gross_wrtn_prem_amt_itd	Month-to-date written premium amount for this coverage. Does not include
	ruct_poney	B. 033_W.t.ipre.iia.ii.ti.a	cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policy	gross_wrtn_prem_amt_ytd	Month-to-date written premium amount for this coverage. Does not include
			cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policy	insuredage	Age of the first insured.
fsbi_dw_spinn	fsbi_dw_spinn fact_policy	orig_wrtn_prem_amt	Premium written for the policy when it was issued (does not include
ISDI_uw_spiiiii	ract_policy	orig_wrtii_prem_amt	endorsement/amendment or audit premium)
fsbi_dw_spinn	fact_policy	orig_wrtn_prem_amt_itd	Inception-to-date premium written for the policy when it was issued (does not
ISDI_uw_spiiiii	ract_policy	ong_witii_prem_amt_itu	include endorsement/amendment or audit premium)
fsbi_dw_spinn	fact_policy	orig_wrtn_prem_amt_ytd	Year-to-date premium written for the policy when it was issued (does not
	ract_poney	0118_11111_p1 e111_41111_yta	include endorsement/amendment or audit premium)
			"Identifies if a policy that was *issued* a cancellation for the given month and
fsbi_dw_spinn	fact_policy	policycancelledissuedind	year. Valid values are:1 = Cancellation issued in the month 0 = Not cancelled in
			the month"
			"Identifies if a policy had an endorsement that was *issued* for the given
fsbi_dw_spinn	fact_policy	policyendorsementissuedind	month and year. Valid values are:1 = Endorsement issued in the month 0 = No
			endorsement issued in the month"
			"Identifies if a policy is a new policy that was *issued* for the given month and
fsbi_dw_spinn	fact_policy	policynewissuedind	year. Valid values are:1 = New policy issued in the month 0 = Not new in the
			month"
			"Identifies if a policy was a non-renewed policy that was *issued* in the given
fsbi_dw_spinn	fact_policy	policynonrenewalissuedind	month and year. Valid values are:1 = Non-renewal issued in the month 0 = Not
			non-renewed in the month"
			"Identifies if a policy is a renewal policy that was *issued* for the given month
fsbi_dw_spinn fa	fact_policy	policyrenewedissuedind	and year. Valid values are:1 = Renewal issued in the month 0 = Not renewed in
			the month"
fsbi_dw_spinn	fact_policy	rein_prem_amt	Month-to-date reinstated premium amount.
fsbi_dw_spinn	fact_policy	rein_prem_amt_itd	Inception-to-date reinstated premium amount.
fsbi_dw_spinn	fact_policy	rein_prem_amt_ytd	Year-to-date reinstated premium amount.
fsbi_dw_spinn	fact_policy	term_prem_amt	Full Inforced amount.
		<u> </u>	· ·

			.
fsbi_dw_spinn	fact_policy	term_prem_amt_itd	Inception-to-date Inforced amount.
fsbi_dw_spinn	fact_policy	term_prem_amt_ytd	Year-to-date full Inforced amount.
fsbi_dw_spinn	fact_policy	unearned_prem	Amount of premium unearned (left to be earned)
fsbi_dw_spinn	fact_policy	wrtn_prem_amt	Month-to-date written premium amount for this coverage.
fsbi_dw_spinn	fact_policy	wrtn_prem_amt_itd	Inception-to-date written premium amount for this coverage.
fsbi_dw_spinn	fact_policy	wrtn_prem_amt_ytd	Year-to-date written premium amount for this coverage.
fsbi_dw_spinn	fact_policycoverage	cncl_prem_amt	Month-to-date cancellation premium amount.
fsbi_dw_spinn	fact_policycoverage	cncl_prem_amt_itd	Inception-to-date cancellation premium amount.
fsbi_dw_spinn	fact_policycoverage	cncl_prem_amt_ytd	Year-to-date cancellation premium amount.
fsbi_dw_spinn	fact_policycoverage	comm_amt	Month-to-date producer commission amount
fsbi_dw_spinn	fact_policycoverage	comm_amt_itd	Inception-to-date producer commission amount
fsbi_dw_spinn	fact_policycoverage	comm_amt_ytd	Year-to-date producer commission amount
fsbi_dw_spinn	fact_policycoverage	earned_prem_amt	Month-to-date earned premium amount.
fsbi_dw_spinn	fact_policycoverage	earned_prem_amt_itd	Inception-to-date earned premium amount.
fsbi_dw_spinn	fact_policycoverage	earned_prem_amt_ytd	Year-to-date earned premium amount.
fsbi_dw_spinn	fact_policycoverage	ee	Earned Exposures based on 1 month = 1 exposure per policy
Isbi_uw_spiiiii	Tact_policycoverage		term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	ee_itd	Inception To Date Earned Exposures based on 1 month = 1 exposure per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	ee_rm	Earned Exposures (fractional) based on term length, since what day a policy is effective in a month and number of days in a month. E.g. 1 month exposure can be 0.03 or 1.018 per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	ee_rm_itd	Inception To Date Earned Exposures (fractional) based on term length, since what day a policy is effective in a month and number of days in a month. E.g. 1 month exposure can be 0.03 or 1.018 per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	ee_rm_ytd	Year To Date Earned Exposures (fractional) based on term length, since what day a policy is effective in a month and number of days in a month. E.g. 1 month exposure can be 0.03 or 1.018 per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	ee_ytd	Year To Date Earned Exposures based on 1 month = 1 exposure per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	endorse_prem_amt	Month-to-date endorsement premium amount
fsbi_dw_spinn	fact_policycoverage	endorse_prem_amt_itd	Inception-to-date endorsement premium amount
fsbi_dw_spinn	fact_policycoverage	endorse_prem_amt_ytd	Year-to-date endorsement premium amount
fsbi_dw_spinn	fact_policycoverage	fees_amt	Month-to-date fees collected on a policy
fsbi_dw_spinn	fact_policycoverage	fees_amt_itd	Inception-to-date fees collected on a policy
		-	

fsbi_dw_spinn	fact_policycoverage	fees_amt_ytd	Year-to-date fees collected on a policy
fahi duu aninn	fact policycoverage	grass carned prom amt	Month-to-date gross earned premium amount for this coverage. Does not
fsbi_dw_spinn	fact_policycoverage	gross_earned_prem_amt	include cancellation or reinstatement premium.
fchi du cninn	inn fast policysoverage		Inception-to-date gross earned premium amount for this coverage. Does not
fsbi_dw_spinn	fact_policycoverage	gross_earned_prem_amt_itd	include cancellation or reinstatement premium.
fshi dw spinn	fact_policycoverage	gross_earned_prem_amt_ytd	Year-to-date gross earned premium amount for this coverage. Does not include
fsbi_dw_spinn	Tact_policycoverage	gross_earned_prem_amt_ytd	cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policycoverage	gross_wrtn_prem_amt	Month-to-date gross written premium amount for this coverage. Does not
Isbi_uw_spiiiii	Tact_policycoverage	gross_wrtii_preiii_aiiit	include cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policycoverage	gross_wrtn_prem_amt_itd	Month-to-date written premium amount for this coverage. Does not include
isbi_uw_spiiiii	Tact_policycoverage	gross_wrtii_preiii_aiiit_itu	cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policycoverage	gross_wrtn_prem_amt_ytd	Month-to-date written premium amount for this coverage. Does not include
ISDI_UW_SPIIIII	Tact_policycoverage	gross_wrtii_preiii_aiiit_ytu	cancellation or reinstatement premium.
fsbi_dw_spinn	fact_policycoverage	insuredage	Age of the first insured.
fals: due anima			Premium written for the policy when it was issued (does not include
fsbi_dw_spinn fact_policycoverage	orig_wrtn_prem_amt	endorsement/amendment or audit premium)	
fals: due anima			Inception-to-date premium written for the policy when it was issued (does not
fsbi_dw_spinn	fact_policycoverage	orig_wrtn_prem_amt_itd	include endorsement/amendment or audit premium)
fahi du aninn	fsbi_dw_spinn fact_policycoverage orig_wrtn_pro		Year-to-date premium written for the policy when it was issued (does not
lisbi_dw_spinii		orig_wrtn_prem_amt_ytd	include endorsement/amendment or audit premium)
			NOT READY FOR USE yet. Reference to DIM_POLICY_CHANGES (variable policy
fsbi_dw_spinn	fact_policycoverage	policy_changes_id	level attributes). DIM_POLICY_CHANGES is updated after this table is populated
			"Identifies if a policy that was *issued* a cancellation for the given month and
fsbi_dw_spinn	fact_policycoverage	policycancelledissuedind	year. Valid values are:1 = Cancellation issued in the month 0 = Not cancelled in
			the month"
			"Identifies if a policy had an endorsement that was *issued* for the given
fsbi_dw_spinn	fact_policycoverage	policyendorsementissuedind	month and year. Valid values are:1 = Endorsement issued in the month 0 = No
			endorsement issued in the month"
			"Identifies if a policy is a new policy that was *issued* for the given month and
fsbi_dw_spinn	fact_policycoverage	policynewissuedind	year. Valid values are:1 = New policy issued in the month 0 = Not new in the
			month"
			"Identifies if a policy was a non-renewed policy that was *issued* in the given
fsbi_dw_spinn	fact_policycoverage	policynonrenewalissuedind	month and year. Valid values are:1 = Non-renewal issued in the month 0 = Not
		1	non-renewed in the month"
			"Identifies if a policy is a renewal policy that was *issued* for the given month
fsbi_dw_spinn	fact_policycoverage	policyrenewedissuedind	and year. Valid values are:1 = Renewal issued in the month 0 = Not renewed in
			the month"
fsbi_dw_spinn	fact_policycoverage	rein_prem_amt	Month-to-date reinstated premium amount.
fsbi_dw_spinn	fact_policycoverage	rein_prem_amt_itd	Inception-to-date reinstated premium amount.

fsbi_dw_spinn	fact_policycoverage	rein_prem_amt_ytd	Year-to-date reinstated premium amount.
fsbi_dw_spinn	fact_policycoverage	term_prem_amt	Full Inforced amount.
fsbi_dw_spinn	fact_policycoverage	term_prem_amt_itd	Inception-to-date full Inforced amount.
fsbi_dw_spinn	fact_policycoverage	term_prem_amt_ytd	Year-to-date Inforced amount.
fsbi_dw_spinn	fact_policycoverage	unearned_prem	Amount of premium unearned (left to be earned)
fsbi_dw_spinn	fact_policycoverage	we	Written Exposures based on 1 month = 1 exposure per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	we_itd	Inception To Date Written Exposures based on 1 month = 1 exposure per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	we_rm	Written Exposures (fractional) based on term length, since what day a policy is effective in a month and number of days in a month. E.g. 1 month exposure can be 0.03 or 1.018 per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	we_rm_itd	Inception To Date Written Exposures (fractional) based on term length, since what day a policy is effective in a month and number of days in a month. E.g. 1 month exposure can be 0.03 or 1.018 per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	we_rm_ytd	Year To Date Written Exposures (fractional) based on term length, since what day a policy is effective in a month and number of days in a month. E.g. 1 month exposure can be 0.03 or 1.018 per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	we_ytd	Year To Date Written Exposures based on 1 month = 1 exposure per policy term/coverage/Risk
fsbi_dw_spinn	fact_policycoverage	wrtn_prem_amt	Month-to-date written premium amount for this coverage.
fsbi_dw_spinn	fact_policycoverage	wrtn_prem_amt_itd	Inception-to-date written premium amount for this coverage.
fsbi_dw_spinn	fact_policycoverage	wrtn_prem_amt_ytd	Year-to-date written premium amount for this coverage.