



The Future of Insurance Starts Here

Surcharges Plugin



AGENDA

- Introduction Surcharges
- Types of Surcharges
- Steps to add Surcharges
- Surcharges Attributes
- Fees
- Database Tables
- Configure Surcharges/Fees



Introduction Surcharges

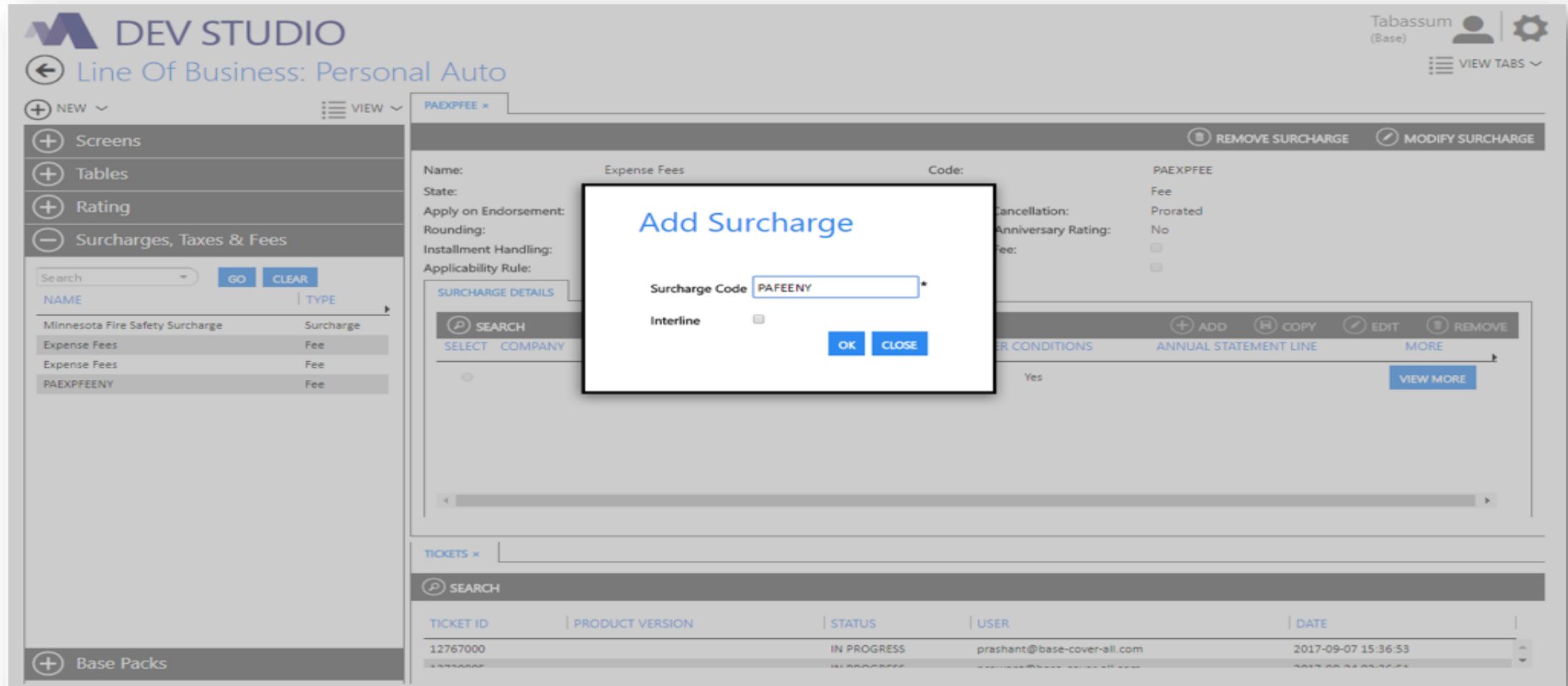
- An insurance surcharge is an additional charge on an insurance policy which is usually based on rating factors.
- An insurance surcharge may also be charged by the government for certain types of rating categories, or to help cover overall insurance costs.
- Surcharge information is provided by ISO (Insurance Services Office, Inc.).
- It can be a fixed amount or based on some percentage calculation (often on the base premium).

Types of Surcharge

- There are three types of surcharges:
 - Fee
 - Surcharge
 - Tax
- For example, if ISO stipulates that for Commercial Auto in California State, the Fixed Surcharge would be \$34.3 and for Texas, it would be 5.6% on Commercial Auto premium.
- The codes of surcharges and fees should be in below format.
- Syntax : SURC/FEE/TAX-STATECODE- actual surcharge code
- Example : SURC-NY-LARGAUT, FEE-CA-PLIGAFE, TAX-TX-KYMT

Steps to add Surcharges

- Steps to add Surcharges from Dev-studio plugin as below:



Steps to add Surcharges

- Set state_name and unique state_code & select type of surcharges.
- State name defined here will be seen in Premium Summary page.

DEV STUDIO

Line Of Business: Personal Auto

Tabassum (Base) | VIEW TABS

NEW | VIEW | PAEXPFEENY x | PAFEENY x

COMPLETE | SAVE | CANCEL

* Name: PAFEENY

* State: [Dropdown]

Code: PAFEENY

* Type: Surcharge

Apply on Endorsement: [Checkbox]

* Return on Cancellation: [Dropdown]

Rounding: [Checkbox]

Subject To Anniversary Rating: [Dropdown]

Installment Handling: [Dropdown]

Collection Fee: [Dropdown]

Applicability Rule: [Checkbox]

Interline: [Checkbox]

SURCHARGE DETAILS | TAGS

SEARCH | ADD | COPY | EDIT | REMOVE

SELECT	COMPANY	EFFECTIVE DATE	EXPIRATION DATE	AMOUNT	OTHER CONDITIONS	ANNUAL STATEMENT LINE	MORE
--------	---------	----------------	-----------------	--------	------------------	-----------------------	------

TICKETS | SEARCH

TICKET ID	PRODUCT VERSION	STATUS	USER	DATE
12767000		IN PROGRESS	prashant@base-cover-all.com	2017-09-07 15:36:53

Surcharges Attributes

Attribute	Description
Name	Description of the surcharge according to business requirement. It is mandatory field e.g. Minnesota Fire Safety Surcharge.
Code	Code is used for internal purpose by system. e.g. SI_MFSS. This code is used for unique identification of the particular surcharge.
State	State is used for particular state. i.e. Minnesota. It is mandatory field. Currently our system supports only state specific Surcharge.
Type	Type field is used for identifying the transaction. It is mandatory field. e.g. surcharge ,Tax, Fee.
Apply on Endorsement	This field identifies that if this surcharge applies on endorsement or not. So If we choose the field value as YES then the surcharge is calculated for endorsement transaction.
Return on Cancellation	<p>This field identifies if this surcharge is prorated or fully earned. It is mandatory field. If you choose the prorated option then prorated factor applies on every transaction. If you choose fully earned then at the time of cancellation no surcharge is calculated.</p> <p>Four different types of options are available for this field.</p> <ul style="list-style-type: none">a) Not Refundableb) Proratedc) Full Refundd) Full Earned

Surcharges Attributes

Attributes	Description
Rounding	If we tick the checkbox then the surcharge amount will be rounded up to nearest whole number.
Subject To Anniversary Rating	Still not identified the use of the particular field.
Installment Handling	This field identifies the time of the surcharge collection. So if we choose the value as First Instalment then the surcharge will collect from 1st instalment. Two type of Instalment is present: a) Spread Equality b) First Instalment
Collection Fee	This field identifies if collection fee is applicable or not on surcharge tax. if we tick the checkbox then user can provide the collection fees on surcharge amount as per business requirement.
Applicability Rule	Its is advance condition if condition rule returns '0' the surcharges will be applicable. 0: True , Non-zero : False
Interline	This field identifies if the surcharge is LOB specific or not. So if we choose the checkbox then this surcharge is applicable for all the LOB.

Steps to add Surcharges

- Surcharges (fees/taxes) can be defined in terms of amounts or percentage of premium. The criteria of applying fees (ex. if some coverage is selected) can also be defined.

Line Of Business: Personal Auto

VIEW PAEXPFEY PAPEENY PAFEEDL

Surchargeable Premium for Rule: PA-12728205-28030

LANGUAGE PL/SQL

VIEW Flowchart Script

DATABASE

```
CREATE OR REPLACE FUNCTION get_surgeableable_prem (  
  p_entity_type IN VARCHAR2, p_entity_reference IN VARCHAR2, p_state_code IN VARCHAR2, p_company_code IN CHAR, p_product_code IN NUMBER, p_job_code  
  IS  
  v_return NUMBER;  
BEGIN  
  SELECT COUNT(COVERAGE_CODE)  
  INTO v_return  
  FROM  
  VW_MIS_COV_PA_RATING_DETAIL  
  WHERE 1=1  
  AND ENTITY_REFERENCE = p_entity_reference  
  AND NVL(SEL_PREF_OPTION,'N')='Y'  
  AND NVL(IS_SUSPENDED,'N')='N'  
  AND COVERAGE_CODE IN ('LIAB-BI','LIAB-PD','MEDPAV','OTC','COL','PIP');
```

Fees

- Define if the fees are applicable to just new business or all transactions.
- Define if fees should be charged immediately or distributed on all instalments.
- Define if the fees should be returned on prorated basis on cancellation or not.
- Indicate if the amount should be rounded, if the fee is used for one product or more than one product (interline) etc.
- Write the calculation logic in the same plugin.

Add New Fees

Line Of Business: Personal Auto

Tabassum (Base)

VIEW TABS

NEW

VIEW

PAEXPFEED

PAFEENY

Screens

Tables

Rating

Surcharges, Taxes & Fees

Search

GO

CLEAR

NAME	TYPE
PAFEENY	Surcharge
Minnesota Fire Safety Surcharge	Surcharge
Expense Fees	Fee
Expense Fees	Fee
PAEXPFEENY	Fee

Base Packs

COMPLETE

SAVE

CANCEL

* Name:

Expense Fees

* State:

Illinois

Apply on Endorsement:

☒

Rounding:

☐

Installment Handling:

First Installment

Applicability Rule:

☐

Code:

PAFEENY

* Type:

Fee

* Return on Cancellation:

Prorated

Subject To Anniversary Rating:

☐

Collection Fee:

☐

Interline:

☐

SURCHARGE DETAILS

TAGS

SEARCH

ADD

COPY

EDIT

REMOVE

SELECT	COMPANY	EFFECTIVE DATE	EXPIRATION DATE	AMOUNT	OTHER CONDITIONS	ANNUAL STATEMENT LINE	MORE
<input type="radio"/>		07/01/2017	01/01/2099	100.00 %	Yes		VIEW MORE

TICKETS

SEARCH

TICKET ID	PRODUCT VERSION	STATUS	USER	DATE
12767000		IN PROGRESS	prashant@base-cover-all.com	2017-09-07 15:36:53
12767001		IN PROGRESS	prashant@base-cover-all.com	2017-09-07 15:36:53

RATE LEVELS CONFIGURED IN COVER-ALL BASE

Add New Fee (continued)

DEV STUDIO

Line Of Business

+ NEW

+ Screens

+ Tables

+ Rating

- Surcharges, Taxes

Search

NAME

PAFEENY

Minnesota Fire Safety Surcharge

Expense Fees

Expense Fees

PAEXPFEENY

+ Base Packs

PA-12728205-28030

SURCHARGE RULE

CUSTOM RULE

NOT RELEASED

Get count

WHEN

BASIC CONDITION ON POLICY ATTRIBUTES

* Control Date

is between

07/01/2017

and

01/01/2099

Stat Code

is

Company

is

Annual Statement Line

is

Amount Type

is in

%

\$

* Amount

is

100.0

City

is

ADVANCED CONDITION

VIEW

THEN

CALCULATION

Calculate

Surchargeable Premium

VIEW FUNCTION

ADD ACTION

REMOVE ALL

CLOSE

Tabassum (Base)

VIEW TABS

SAVE

CANCEL

EDIT

REMOVE

MORE

VIEW MORE


12767000

IN PROGRESS

prashant@base-cover-all.com

2017-09-07 15:36:53

Add New Fee (continued)

 DEV STUDIO

Line Of Business

+ NEW

+ Screens

+ Tables

+ Rating

- Surcharges, Taxes

Search

NAME

PAFEENY

Minnesota Fire Safety Surcharge

Expense Fees

Expense Fees

PAEXPFEENY

+ Base Packs

Tabassum (Base)

VIEW TABS

SAVE CANCEL

EDIT REMOVE MORE VIEW MORE

Surchargeable Premium for Rule: PA-12728205-28030

LANGUAGE PL/SQL

VIEW ☐ Flowchart ☒ Script

DATABASE

```
CREATE OR REPLACE FUNCTION get_surchargeable_prem (  
  p_entity_type IN VARCHAR2 , p_entity_reference IN VARCHAR2 , p_state_code IN VARCHAR2 , p_company_code IN CHAR , p_product_code IN NUMBER , p_job_code  
  IS  
  v_return NUMBER;  
BEGIN  
  SELECT COUNT(COVERAGE_CODE)  
  INTO v_return  
  FROM  
  VW_MIS_COV_PA_RATING_DETAIL  
  WHERE 1=1  
  AND ENTITY_REFERENCE      = p_entity_reference  
  AND NVL(SEL_PREF_OPTION,'N')='Y'  
  AND NVL(IS_SUSPENDED,'N')='N'  
  AND COVERAGE_CODE IN('LIAB-BI','LIAB-PD','MEDPAY','OTC','COL');  
  
  RETURN v_return;  
END;
```

BACK TO RULE

12767000

IN PROGRESS

prashant@base-cover-all.com

2017-09-07 15:36:53

Database Tables

- The following two tables will contain the details of these surcharges:
- PS_SURCHARGE :
Contains the surcharge/fees properties.
- PS_SURCHARGE_DETAILS :
Contains the details of surcharge calculate procedure , surcharge amount etc.

Configure Surcharges/Fees

- Add surcharge code in Coverage code property of Policy Screen same as we do for new coverage code.

The screenshot shows the DEV STUDIO interface with a modal dialog titled "Property - Coverage Code". The dialog is for the "Policy" object and contains a table of coverage codes. The table has columns for CODE, DESCRIPTION, and DISPLAY OR. The codes listed are:

CODE	DESCRIPTION	DISPLAY OR
ENO-VOL-PDBTM	Employee Nonowned Volunteer Liability PD Bal to Min	0
FEE-AZ-AZATA	Arizona Automobile Theft Authority Fee	0
FEE-TX-TXABTPA	Texas Automobile Burglary and Theft Prevention Authority Assessment	0
MEDPAY-AUTO	Medical Payments Auto	40
NOL-VOL-BI	Non Owned Liability Volunteer BI	0
NOL-VOL-PD	Non Owned Liability Volunteer PD	0
PED-PIP	CA Pedestrian Personal Injury Protection	0

The dialog also includes "ADD", "EDIT", and "REMOVE" buttons at the top right and a "CLOSE" button at the bottom right. In the background, the DEV STUDIO interface shows the "Screens" section with a search bar and a list of screens, including "Commercial Auto".

Configure Surcharges/Fees

- Surcharge can be configured on pre-defined “Surcharge Information screen” using “Name_UK” field.

Note : Surcharge Information Screen is available under each LOB.

The screenshot displays the DEV STUDIO application interface. At the top, the user is logged in as 'training9' and the current Line Of Business is 'Commercial Auto'. The main navigation pane on the left shows a tree structure with 'Screens' expanded, listing 'Tier Rating', 'Surcharge Information' (selected), 'Option Information', and 'KY Tax Exemption'. Below this, other categories like 'Tables', 'Forms & Documents', 'Bureau Adoptions', 'Surcharges, Taxes & Fees', and 'Images' are visible. The main workspace shows the 'Surcharge Information' screen configuration. It includes a 'Summary Section' with a table of actions (SAVE, DELETE, ADD, MASS UPDATE, IMPORT, EXPORT, ADD MULTIPLE, REMOVE) and a 'Surcharge Information' table with columns for 'Transaction Fee Not Subject to Audit', 'Name', and 'Annual State'. The 'Name' column is highlighted. On the right, the 'Properties' panel is open for the 'Name' field, showing details such as 'Field: Name', 'Object: Surcharge Information', 'Database Column Name: NAME_UK', 'Default Value', 'Delete when Hidden: Yes', 'Display in Table: Yes', 'Display Length', 'Display Order: 301', and 'Drop Down Values'.

Configure Surcharges/Fees

The screenshot shows the DEV STUDIO interface with a modal window titled "Rules". The modal displays configuration details for a rule set related to Surcharges/Fees. The background interface includes a sidebar with "Screens" and "Bureau Adoptions" sections, and a top navigation bar with "training9" and a "VIEW TABS" dropdown.

Rules Configuration Details:

- OBJECT:** Surcharges, **HIERARCHY:** Commercial Auto->Surcharge Information, **FIELD:** Name, **PROPERTY:** Data Source
- Category:** UI Rule
- Author:** [Empty Field]
- Release:** [Empty Field]
- Search By:** [Dropdown Menu]
- Buttons:** ADD SEARCH, ADD, EDIT, COPY, REMOVE

Rules Table:

SELECT	SOURCE	RULE ID	CATEGORY	RELEASE	RULE DESCRIPTION	MORE
<input type="checkbox"/>	BASE	CA-8599524-2699	UI Rule	14.5.0	No description available for this rule.	MORE INFO
<input type="checkbox"/>	BASE	CA-9169975-5090	UI Rule	17.1.0	No description available for this rule.	MORE INFO
<input type="checkbox"/>	BASE	CA-8874803-3534	UI Rule	14.8.0	No description available for this rule.	MORE INFO
<input type="checkbox"/>	BASE	218418	UI Rule	13.11.0	No description available for this rule.	MORE INFO
<input type="checkbox"/>	BASE	CA-10067136-8440	UI Rule	17.3.0	No description available for this rule.	MORE INFO

NOTE: Rules at top of the table will have higher executional precedence when multiple rules are qualified.

Buttons: CLOSE

Configure Surcharges/Fees

Rule: CA-8599524-2699

UI Rule

14.5.0

No description available for this rule.

WHEN

BASIC CONDITION ON POLICY ATTRIBUTES

Control Date

is between

04/01/2014

and

04/01/2014

Company

is

State

is any of

Program

is any of

Market Segment

is any of

Product

is

Line Of Business

is

CA

Transaction

is any of

Originating Role

is any of

Current Role

is any of

MultiState

is

Control By Adoption ?

☐

Adoption Type

Bureau Effective Date

Product Version

is

ADVANCED CONDITION

THEN

NAME

ACTIONS FOR: FIELD: Name, OBJECT: Commercial Auto->Surcharge Information

Set

Data Source

DATA SOURCE

HEADING & MAPPING ...

ADD ACTION

REMOVE ALL

CLOSE

Configure Surcharges/Fees

Property : Data Source

LANGUAGE PL/SQL

VIEW ☐ Flowchart ☒ Script

DATABASE +

```
CREATE OR REPLACE FUNCTION advancedCriteria (  
  p_entity_type IN VARCHAR2 , p_entity_reference IN VARCHAR2 , p_error_message OUT VARCHAR2 ) RETURN NUMBER  
IS  
  v_return NUMBER;  
BEGIN  
  Select  
  name,  
  name_uk,  
  des,  
  type,  
  product_code,  
  lob,  
  unit_coverage,  
  unit_number,  
  unit_id,  
  state_code,  
  city_code,  
  city_name,  
  annual_fee,  
  transaction_fee,  
  is_amount_in_percent,  
  surcharge_amount  
  RETURN v_return;  
END;
```

[BACK TO RULE](#)



THANK YOU!

