



SOLARTIS INSURE

Microservice Catalog

Solartis Insure is a collection of policy life cycle services that are built from the ground up on microservice technology. You can use all of our microservices or just the ones you need for your insurance products and users. Our microservices can also be extended to other technology platforms. This allows you to have one set of microservices that can be used in your consumer portals, your carrier or agency underwriting platforms as well as in your distribution partners' tech systems.

With Solartis, you are not not locked into our screens and business flow. Our microservices are completely decoupled from the user interface, This allows you or Solartis to create your own branded User Interface, look and feel and business flow. And Solartis microservices can be used on any device; a computer, smart phone, iPad, chatbot or app.

Explore our microservices catalog and build a new kind of policy administration system.

Here are the major Solartis Insure Microservices types.
Click on a category to find specified microservices tailored to that type.

1. Rating STATELESS AND STATEFUL SUPPORT

Rating Microservices are used to Rate/Calculate the insurance premium, and to provide a list of forms to include in the policy document. Rating microservices can be configured at the coverage level, location, or at the policy level.

Our ISO-based Rating Microservices are **auto-generated** and are **specific** to geography/jurisdiction and selected coverages.

Rating Microservices are invoked whenever the policy premium needs to be calculated or recalculated. This includes: quick quote or quote indication, proposal time, endorsement time, cancellation, reinstatement, and renewal.

3. Transaction STATEFUL SUPPORT

Transaction Microservices are granular policy lifecycle tasks to save and retrieve data based on the LOB/Product-specific schema. These microservices are auto-generated based on the Product Structure that is defined in the Solartis PMT.

Example transaction modules are: Submission, Quote, Policy, Endorsement, Cancel, Reinstate, Renewal, AutoID/COI, etc.

Example data repositories are: Submission, Insured, Quote, Policy, COI

2. Document Generation STATELESS SUPPORT

Document Generation Microservices merges one or more insurance form templates with policy data to generate a single insurance document (PDF). Insurance form templates can be static PDFs or dynamic forms in XSL or DocX format. Our document generation microservices can be configured to generate various types of insurance documents, including: Rate Indication, Application, Rating Worksheet, Proposal, Binder, Invoice, Policy, Payment Receipt, Endorsement, AutoID, COI, Renewal, etc.

4. Workflow STATEFUL SUPPORT

Workflow Microservices are high-level, orchestrated Policy Lifecycle actions that execute high-level business functionality. These microservices are customer LOB/product specific and configured during the initial onboarding of the insurance product.

Examples include: Create Submission, Register Submission, Create Quote, Offer Quote, Bind Policy, Issue Policy, Pay & Issue, Create Endorsement Quote, Issue Endorsement, Cancel, Reinstate, Create Renewal Quote, etc.

5. Utility STATELESS AND STATEFUL SUPPORT

Examples of Microservices: Validation, Underwriting rules, Authentication, Authorization, Integration, etc.

7. Metadata STATELESS SUPPORT

Metadata Microservices provide valid UI/UX question lists, attribute lists, dropdown values based on selected product, geographies, coverages, and answers to prior questions in a UI/UX. These are useful microservices in generating the UI/UX dynamically instead of building it statically in a hardcoded manner.

Example Metadata Microservices are: Get All Domain/Lookup Table, GetDependant Attributes, Get Dependent Attributes Values, Get Domain/Lookup Table Values, Get Application Metadata, etc

6. Product Management STATELESS SUPPORT

Product Management Microservices provide ways to access and change customer insurance products configured in the PMT without using the PMT UI/UX. Using these microservices, insurance products can be created, managed, and maintained from an external system without accessing the PMT.

Example Product Management Microservices are: Create Product, Create Product Version, Get Available Product, Get Geographies, Get Coverages, Get Lookup data, Get Rate Table data, Get Forms List, Get Optional Forms List, etc.

8. Custom STATELESS AND STATEFUL SUPPORT

Workflow Microservices are high-level, orchestrated Policy Lifecycle actions that execute high-level business functionality. These microservices are customer LOB/product specific and configured during the initial onboarding of the insurance product.

Examples include: Create Submission, Register Submission, Create Quote, Offer Quote, Bind Policy, Issue Policy, Pay & Issue, Create Endorsement Quote, Issue Endorsement, Cancel, Reinstate, Create Renewal Quote, etc.

Via an API call, Solartis customers invoke a Solartis orchestrated microservice which subsequently fires off sub microservices to perform a specific policy administration activity / function. Here are a few examples of our orchestrated microservices and the underlying sub microservices they invoke.

#	Orchestrated Microservice	Execution Order	Sub Microservices	Sub Microservice Type
1	Create Quote Proposal	1	Validation	Utility
		2	Rating	Rating
		3	FormSelection	Document Generation
		4	OfferQuote	Transaction
		5	Document Generation	Document Generation
2	CreateQuote	1	Validation	Utility
		2	Rating	Rating
		3	FormSelection	Document Generation
		4	CreateQuote	Transaction
3	BindQuote	1	Validation	Utility
		2	Rating	Rating
		3	FormSelection	Document Generation
		4	Pay	Utility
		5	SaveQuote	Transaction
		6	BindQuote	Transaction
		7	Document Generation	Document Generation
4	IssuePolicy	1	Validation	Utility
		2	IssuePolicy	Transaction
		3	Document Generation	Document Generation

Solartis Insure is the only full policy administration system built from the ground up on microservices. Here is a representative list of our microservices, their type, and purpose.

#	Microservice Type	Microservice Name	Stateful or Stateless	Purpose
1	Transaction	CreateAccount	Stateful	Accepts account information and creates account, returns account reference.
2	Transaction	SaveAccount	Stateful	Accepts account information and updates account detail.
3	Transaction	GetAccount	Stateful	Accepts account reference and returns account information.
4	Transaction	CreateInsured	Stateful	Accepts Insured information and create Insured. Returns Insured reference number.
5	Transaction	SaveInsured	Stateful	Accepts Insured information and updates Insured detail.
6	Transaction	GetInsured	Stateful	Accepts Insured reference and returns insured information.
7	Transaction	Add Classcode	Stateful	Accepts class code information and saves it.
8	Transaction	Create Location	Stateful	Accepts location information and creates location, returns location number.
9	Transaction	Get AgencyList	Stateful	Accepts Agency number/code and returns Agency information.
10	Transaction	Get AgentList	Stateful	Accepts Agent number/code and returns Agent information
11	Transaction	CreateSubmission	Stateful	Accepts Submission information and creates submission Transaction. Returns Submission number.
12	Transaction	RegisterSubmission	Stateful	Accepts submission information and registers submission. Returns submission number.
13	Transaction	SaveSubmission	Stateful	Accepts submission information and updates submission detail.
14	Transaction	CopySubmission	Stateful	Accepts Submission number and create a new version of the submission Transaction, returns submission number
15	Transaction	GetSubmission	Stateful	Accepts Submission number and returns submission information.
16	Transaction	LapseSubmission	Stateful	Accepts Submission number and lapses submission. Returns submission status.
17	Transaction	DeclineSubmission	Stateful	Accepts Submission number and declines Submission Transaction. Returns Submission Status.
18	Transaction	CreateQuote	Stateful	Accepts quote information, creates quote and returns Quote Number.

#	Microservice Type	Microservice Name	Stateful or Stateless	Purpose
19	Transaction	Get Schedule of Forms	Stateful	Accepts product information and returns list of applicable forms.
20	Transaction	AddForms	Stateful	Accepts form information and adds it to the object (quote/ Policy)
21	Transaction	SaveQuote	Stateful	Accepts quote information and updates quote detail.
22	Transaction	CopyQuote	Stateful	Accepts Quote number and creates a new version of the Quote Transaction, returns Quote number
23	Transaction	GetQuote	Stateful	Accepts Quote number and return quote information.
24	Transaction	OfferQuote	Stateful	Accepts quote number and offers Quote. Returns quote status.
25	Transaction	ReferQuote	Stateful	Accepts quote number and Refers Quote. Returns quote status.
26	Transaction	LapseQuote	Stateful	Accepts quote number and lapses Quote. Returns quote status.
27	Transaction	DeclineQuote	Stateful	Accepts Quote number and declines Quote Transaction. Returns quote status.
28	Transaction	BindQuote	Stateful	Accepts Quote number and change the status of the quote.
29	Transaction	IssuePolicy	Stateful	Accepts Policy number and returns policy status.
30	Transaction	GetPolicy	Stateful	Accepts Policy number and return policy information.
31	Transaction	CreateEndorsement	Stateful	Accepts Policy number and endorsement information and creates an endorsement quote, returns endorsement quote number.
32	Transaction	IssueEndorsement	Stateful	Accepts endorsement quote number, issues endorsement and updates Policy information.
33	Transaction	CreateCancel	Stateful	Accepts Policy number and cancel Information (Flat, Pro-rata) and marks the policy for cancellation. Returns Cancel reference number.
34	Transaction	IssueCancel	Stateful	Accepts cancel reference and cancels the policy. Returns policy status.
35	Transaction	CreateReinstate	Stateful	Accepts Cancelled Policy number and reinstate the Policy Transaction.
36	Transaction	IssueReinstate	Stateful	Accepts cancelled policy number and reinstates the Policy.
37	Transaction	CreateRenewal	Stateful	Accepts expiring policy number and creates renewal quote. Returns Renew quote number
38	Transaction	BindRenewal	Stateful	Accepts Renewal Quote number, change the status of the quote.

#	Microservice Type	Microservice Name	Stateful or Stateless	Purpose
39	Product Management	Get Product List	Stateful	Accepts risk information and returns eligible insurance products
40	Product Management	Get Classcode List	Stateful	Accepts product information and returns class code information.
41	Product Management	Get Coverage list	Stateful	Accepts product information and returns eligible coverages
42	Product Management	Get Lookup data	Stateful	To get the Domain data for a particular attribute.
43	Product Management	OptionalFormList	Stateless	Bring the list of all optional forms available for the product based on applicable, effective date
44	Rating	Rating	Stateless	Execute rating and returns premium, rates and factors
45	Rating	Select Forms	Stateless	Selects forms based on rules and identifies the forms to be added in the Document
46	Document Generation	Document Generation	Stateless	Generates final PDF document (Proposal, Binder, Policy, Certificate, Endorsements, etc.)
47	Utilities	Validation	Stateless	Executes Mandatory, eligibility and referral rules and returns validation results
48	Utilities	Execute Rules	Stateless	Executes Mandatory, eligibility and referral rules and returns rule results
49	Custom	CreateCancel	Stateful	Sends the payment information to the payment gateway and completes the payment.
50	Integration	Fetch VeriskinInformation	Stateless	Sends location information and gets Risk attribute details & Coverage A value
51	Integration	InvokeSpatial	Stateless	Sends location information and gets Distance To coastal information
52	Integration	GetEquifaxInfo	Stateless	Sends insured information and gets Insurance Score
53	Integration	TigerCQ_Integration	Stateless	Sends Location information and gets Wind Premium
54	Integration	InvokeQuoteRush	Stateless	Provides Premium for a given risk for multiple carriers

Solartis has taken policy administration architecture to a new level. We encourage you to contact us so we can demonstrate our full capabilities to you.