

## CASE STUDY

# Life Reinsurance Bordereaux

**Client:**

Global insurer with over 50,000 employees offering products in 200+ countries.

**Problem:**

Complex, fragmented and data intensive procedures for calculating their premiums for Life Reinsurance.

**Solution:**

Automated end-to-end process for collecting and validating administration system data, allocating benefits to reinsurance treaties and calculating premiums.

**Before:**

- Complex, fragmented scripts requiring programming skills for maintenance.
- Difficult to scale for new products and treaties.
- “Black box” approach. Difficult to audit and troubleshoot.
- Limited validation of data or exception reporting.

**After:**

- Simple, business user managed rules for driving allocation of treaties and calculation logic.
- New products and treaties added in less than 1/10 the time.
- Complete visibility and transparency around data flow, mapping and calculation rules.
- Comprehensive exception reporting (e.g. aggregate retentions exceeding thresholds) and data quality checking.

# SAMPLE OUTPUT

Process Status		Latest Payment Summary			
Task	Status	Reinsurer	Amount	Previous Month	Change
Policy data collection	✓	Munich Re	\$ 752,321	\$ 700,152	7% ▲
Input validation	✓	Swiss Re	\$ 1,321,652	\$ 1,407,532	-6% ▼
Transaction Processing	▶	Hannover Re	\$ 425,122	\$ 430,562	-1% ▼
Census Processing	☐	SCOR	\$ 350,123	\$ 251,157	39% ▲
Payment Summary	☐				

  

Benefit Type Matrix				
	Munich Re	Swiss Re	Hannover Re	SCOR
Life	●	●	●	●
TPD Standalone	●	●	●	●
Disability Income	●	●	●	●
TPD Rider	●	●	●	●
Trauma Rider	●	●	●	●
Business Expense	●	●	●	●
Child Cover	●	●	●	●
Trauma Rider Life	●	●	●	●

  

Records having exceptions (Last 3 months)

Exception types

Recoveries (\$'000's)

**Reinsurance Validations**

Flexi Rider - Linked policies check	
STATUS	BENEFIT RECORDS
Linked policy not found	328
Linked to OOF policy	116
ok	11,836

  

Total Client Retention over 500K (Including Base, Rider and Flexi Rider)			
Surname	First Name	Date of Birth	Retention
SN27052	FN26609	29/04/1986	1,025,000
SN23527	FN10235	08/09/1977	1,013,790
SN10422	FN7538	05/04/1981	1,003,275
SN16071	FN10436	15/10/1989	1,000,000
SN7105	FN11179	24/02/1962	1,000,000
SN20597	FN12685	01/04/1974	1,000,000
SN17961	FN12567	28/08/1973	1,000,000
SN25669	FN10243	26/10/1971	1,000,000
SN17661	FN11645	14/02/1987	1,000,000

  

\$0 Annual Premium														
Surname	First Name	Date of birth	Policy Number	RCD	Life	Cover	Rider	Sum Assured	Retention	Reinsurance	Annual Premium	Marketing Disc	Stamp Duty	BSO
SN12295	FN13814	27/06/1973	22/07/2010 01	1	00			1	1	1	0 Y	Y		
SN13866	FN2793	18/05/1975	13/02/2014 01	3	00			774,375			0 Y	N		
SN13941	FN19136	06/03/1968	15/08/2012 01	1	00			201,013			0 Y	N		
SN14817	FN2854	26/01/1977	23/04/2013 01	2	00			1,102,500			0 Y	N		
SN18164	FN25879	09/11/1977	30/08/2014 01	1	00			200,000			0	N		
SN18534	FN25194	28/02/1968	16/12/2014 01	1	00			295,000			0 Y	N		
SN18979	FN24899	22/10/1984	06/09/2013 01	1	00			75,000			0 Y	N		
SN19489	FN27347	19/06/1980	09/04/2013 01	1	00			121,275			0 Y	N		

## KEY METRICS



**AUTOMATION DEPLOYED IN UNDER 6 MONTHS.**



**ALLOCATION OF REINSURANCE TO 10+ TREATIES.**



**200+ STEPS IN THE AUTOMATED PROCESS.**



**PROCESS COMPLETES IN UNDER 1.5 HOURS (COMPARED TO 4+ HOURS USING SCRIPTS).**



**CALCULATION OF OVER 500,000+ TERM AND LUMP SUM BENEFITS.**



**10+ EXCEPTION REPORTS.**

## ABOUT SOLVEXIA

SolveXia is an automation, data management and analytics platform used by banks, general and life insurers and other companies. The tool is particularly well suited to complex and specialised processes that are repetitive and would otherwise rely on spreadsheets, Access databases or macros. Users automate processes by configuring a series of drag-and-drop “robots” capable of collecting, validating, transforming and calculating data.

SolveXia executes processes faster (at least 10x), produces more credible and consistent information and enforces transparency and audit controls. By doing so, organisations are more easily able to achieve strategic objectives in areas such as compliance, customer/partner engagement and risk-mitigation.