SWIFT Translator

A translation solution for ISO 20022 adoption

Webinar

20th May 2021

Your hosts

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Agenda

1. Welcome Note
2. SWIFT Translator: What it can do
3. Predefined Libraries Catalogue
4. Voice of the Customer
5. Q&A

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1. Welcome Note
2. **SWIFT Translator: What it can do**
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A Global Shift to ISO 200222

A rush to ISO 20022

ISO 20022 has been adopted by market infrastructures in 70+ countries replacing domestic or legacy formats

Delivering next gen payments

ISO 20022 is the key standard in next gen payment schemes, including instant payments, move to 24x7, supporting open banking over APIs, and others
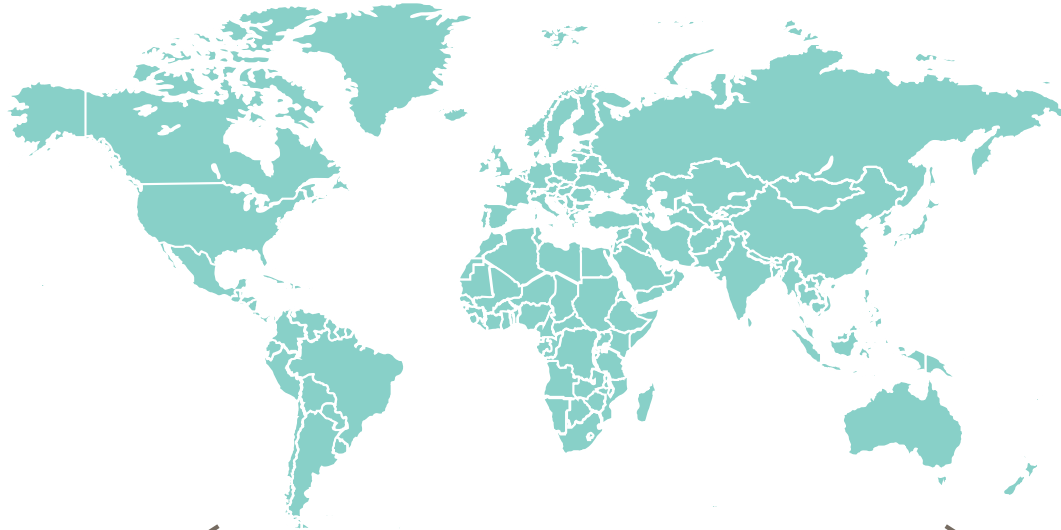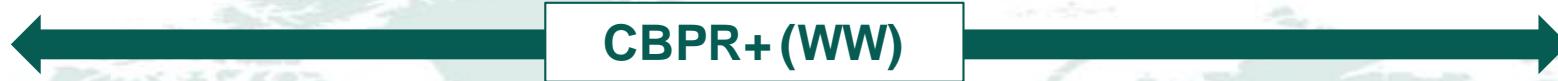
Global domination

In the next 5 years, ISO 20022 will dominate high-value payments, supporting over 80% of transactions values worldwide

Growing impact

This shift is already impacting the cross-border payment system; under the Eurosystem 'big bang' move to ISO 20022

Planned Payment Market Infrastructures Adoption of ISO 20022

CBPR+ (WW)

AMERICAS
- TCH (US)
- FEDWIRE (US)
- LVTS (CA)
- STR (BR)
- …

EMEA
- T2 (EU)
- E1 (EU)
- CHAPS (UK)
- SAMOS (ZA)
- BESP (RU)
- BISS (BY)
- …

APAC
- CHATS (HK)
- MEPS+ (SG)
- PHILPASS (PH)
- RENTAS (MY)
- FC-RTGS (TW)
- BAHTNET (TH)
- …

80% of global high value payments volumes will adopt ISO 20022 by 2025.

Legacy Infrastructures

Out-of-date infrastructures that cannot generate or ingest ISO 20022

Time Constraints

Multiple different Market Infrastructures are planning on migrating over to ISO 20022 during a 2 year time frame period

ISO 20022

Challenges

Cost and effort to upgrade

Updating software to cater for ISO 20022 can be expensive and complex

Prioritization

Some customers may have other projects/priorities that take precedence over migrating to ISO 20022

Data Truncation

When translating to and from messages, there is a risk of loss of data if no appropriate enrichment is in place

SWIFT Translator Key Features

Any-to-Any Translation

Define any type of message within the GUI and map to any format (SWIFT or Non-SWIFT)

Flexible Implementation

Can be deployed in a Standalone or Integrated model, within an interface or back office application/middleware

Predefined Libraries

Leveraging the expertise at SWIFT we have produced a number of mapping and validation libraries to help kick-start any ISO adoption projects (CBPR+, T2, Euro1, MEPS+, CHAPS)

Easy to use GUI

Offline software which is designed to manage and maintain your message, mapping and validation rules all in one place

Autonomy or Support

You can choose to use the GUI yourself or use the dedicated services at SWIFT to help with your projects

MyStandards Compatible

Message definitions can be imported from MyStandards to create validation and mapping rules within SWIFT Translator

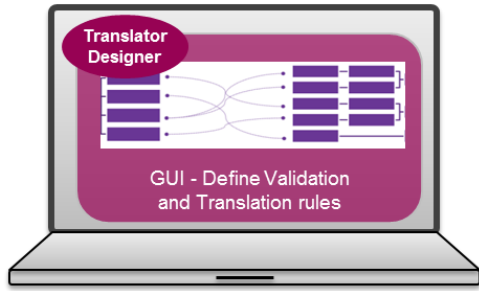# SWIFT Translator – Designer, Runtime and Deployment

1. Design

2. Build
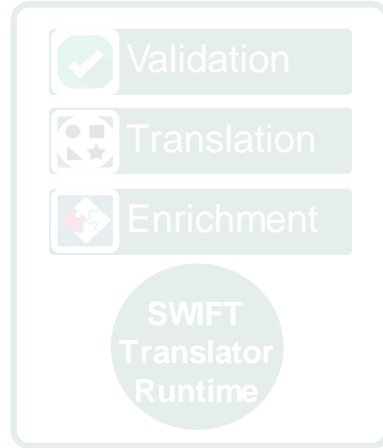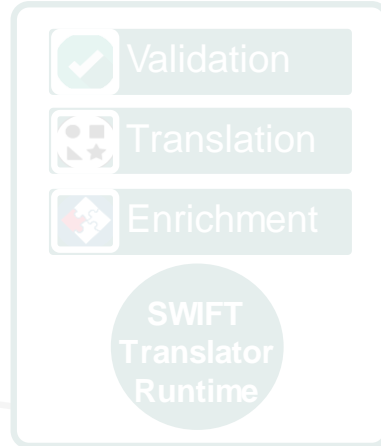
3. Deploy

SWIFT Translator – Designer, Runtime and Deployment Options

1. Design

2. Build

3. Deploy

Translator Designer

GUI - Define Validation and Translation rules

Validation

Translation

Enrichment

SWIFT Translator Runtime

SWIFT Translator Runtime

SWIFT Translator Runtime

SWIFT Translator Runtime

Back Office Application

Middleware Layer

Messaging Interface

Network

SWIFT Translator Designer

- ❑ Define / maintain formats
- ❑ Define / maintain mappings
- ❑ Test and validate in U2A
- ❑ Define Runtime component

SWIFT Translator Runtime

- ❑ Java-based component exposing message validation, translation, enrichment operations
- ❑ Component is configured based on where its deployed (JAR / WAR / …)

SWIFT Translator is flexible and can be deployed :

- ❑ As a **standalone** component in the back-office application or middleware layer
- ❑ As **part of** a SWIFT messaging interface (SIL, IPLA, AMH)
- ❑ Or in multiple places for different translation purposes (business payload vs. technical header, multiple channels…)

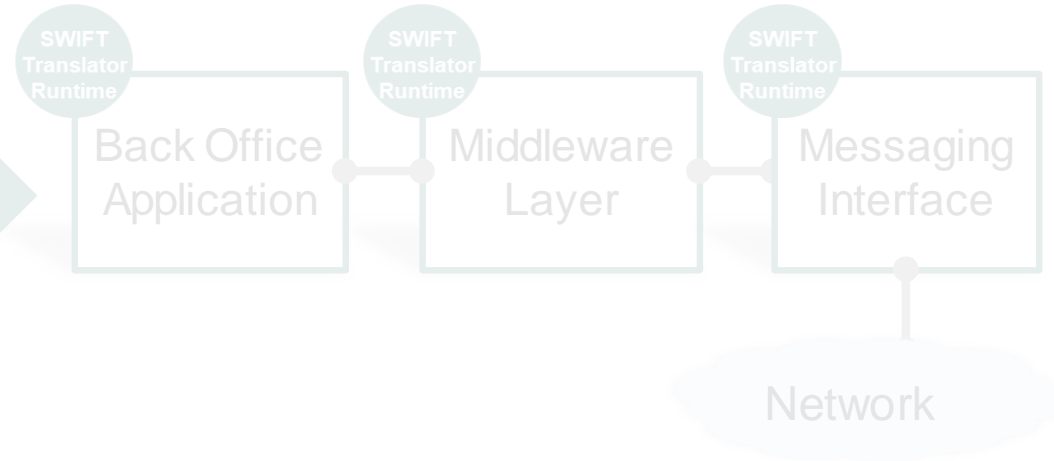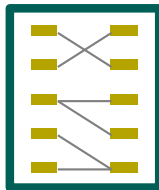# SWIFT Translator – Designer, Runtime and Deployment Options

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2. Build

3. Deploy

Translator Designer

GUI - Define Validation + Translation rules

Validation

Translation

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Middleware Layer

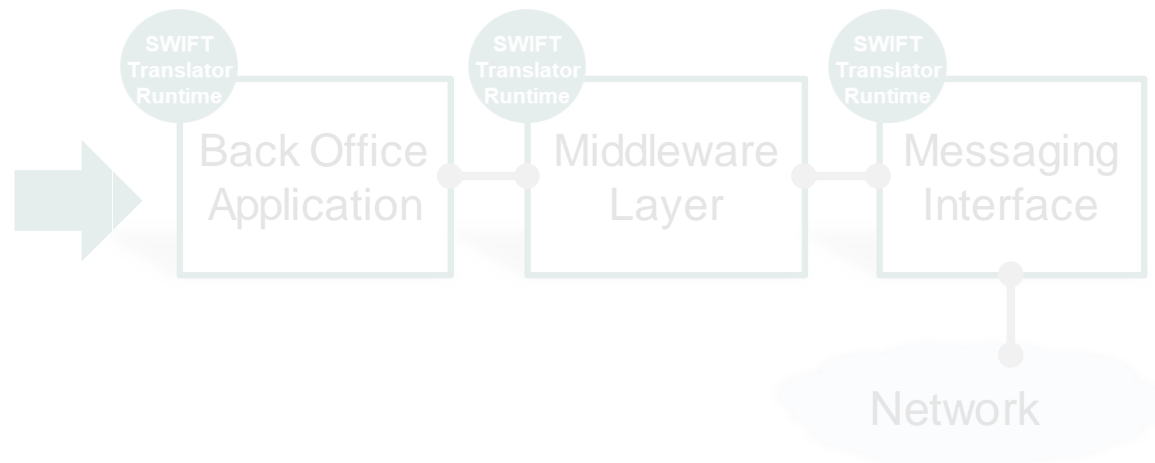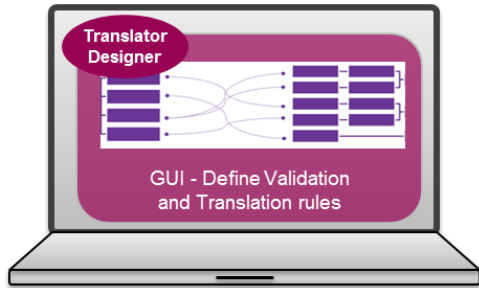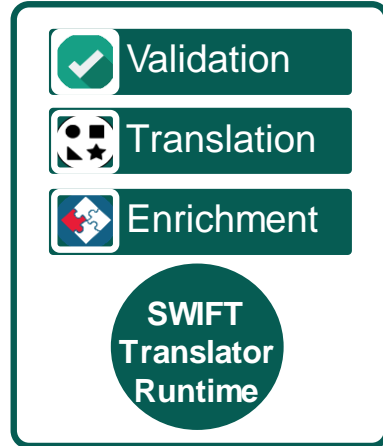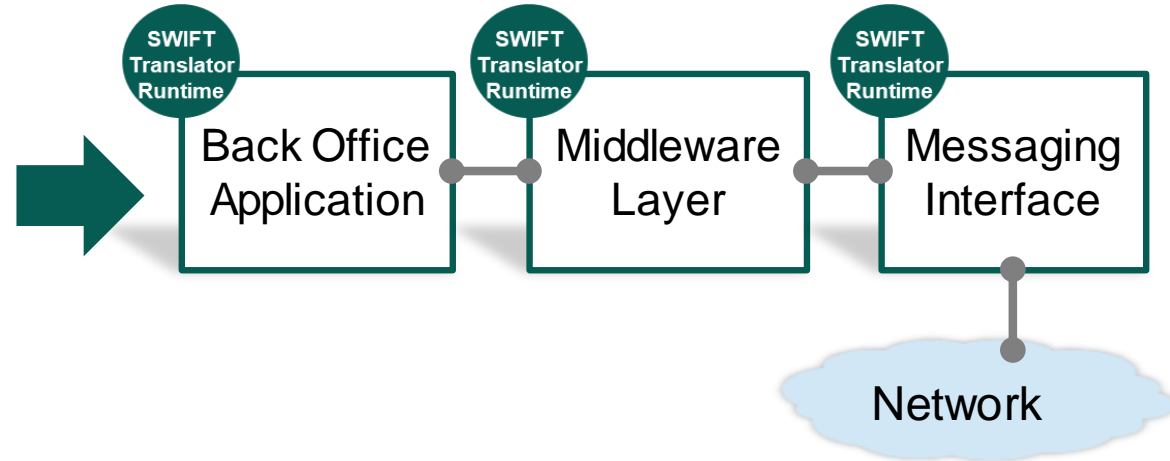Messaging Interface

Network

Predefined Validation + Mapping Libraries

- Add-on libraries to jump-start your project leveraging SWIFT expertise

- Fine-tuning possibilities

SWIFT Translator – Designer, Runtime and Deployment Options

1. Design

GUI - Define Validation and Translation rules

Translator Designer

2. Build

- Validation
- Translation
- Enrichment

SWIFT Translator Runtime

3. Deploy

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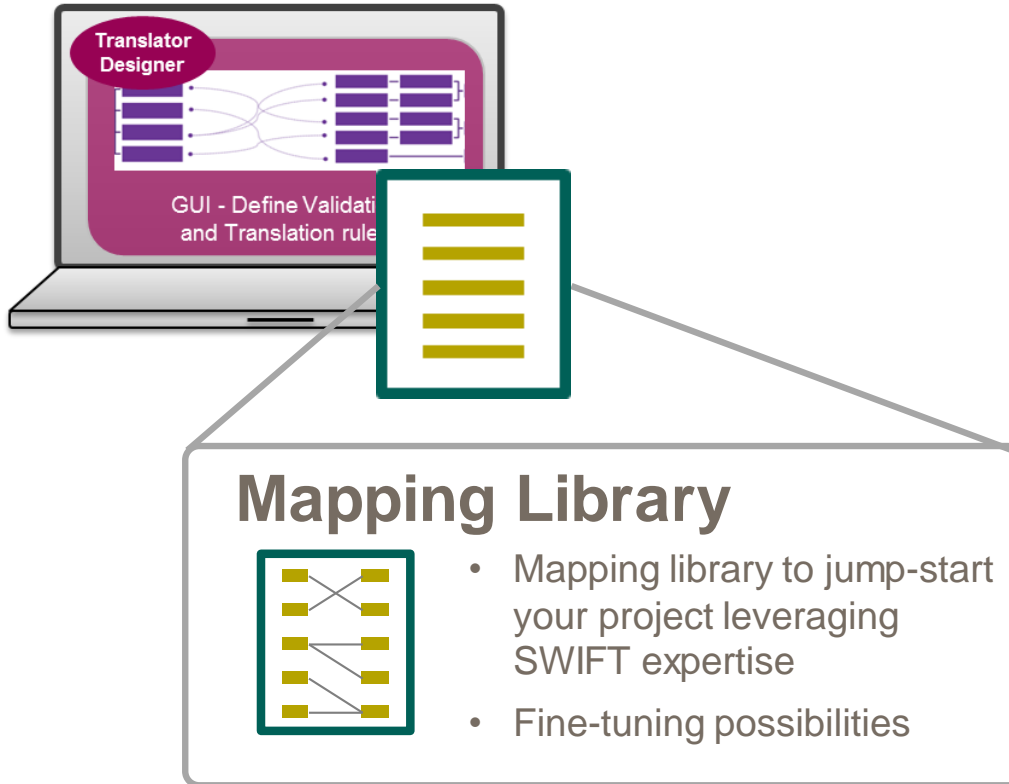❑ Or in multiple places for different translation purposes (business payload vs. technical header, multiple channels…)

SWIFT Translator – Designer, Runtime and Deployment Options

1. Design

Translator Designer

GUI - Define Validation and Translation rules

2. Build

- Validation
- Translation
- Enrichment

SWIFT Translator Runtime

3. Deploy

SWIFT Translator Runtime → Back Office Application — SWIFT Translator Runtime → Middleware Layer — SWIFT Translator Runtime → Messaging Interface

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SWIFT Translator – Predefined Libraries

1. Design

Translator Designer

GUI - Define Validati... and Translation rule...

Mapping Library

- Mapping library to jump-start your project leveraging SWIFT expertise
- Fine-tuning possibilities

£ £ £ Cost & Time Savings

Save 100+ days of implementation reusing predefined validation and translation libraries

Risk Reduction

Timely preparation for the ISO migrations leveraging SWIFT expertise

Reusability and Customisation

Reuse SWIFT Translator for many migrations (T2, Euro1, HKICL…) and customise it based on your needs

Translator Mapping Libraries Catalogue

Library	Region/Country	Service Live Date[1]	Confirmed
CBPR+	WW	Nov. 2022	Yes
T2 / ESMIG	EU	Nov. 2022	Yes
Euro1	EU	Nov. 2022	Yes
MEPS+	SG	Jun. 2022	Yes
CHAPS	GB	Jun. 2022	Yes
CHATS	HK	Oct. 2023	Yes
FEDWIRE	US	Nov. 2023	TBC
TCH	US	Nov. 2023	TBC

Notes:

1. *Service live date as known in March 2021*
2. *Other libraries can be developed on a project-base either by you or with support of our Professional Services*

Translator Mapping Libraries Roadmap

Legend: ◆ Confirmed   ◆ To Be Confirmed   ✦ Service Live Date

	2020		2021				2022				2023			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CBPR+	◆ 1.0	◆ 1.2	◆ 1.2.1		◆ 2.0			◆ 2.x		✦				
T2 RTGS	◆ 1.0 ◆ 1.1			◆ 1.2		◆ 1.3 (UDFS 2.2)				✦	◆ 1.4 (UDFS 3.0)			
Euro1					◆ 1.0	◆ 1.1				✦				
MEPS+		◆ 1.0 (L4L)		◆ 1.1 (L4L)		◆ 2.0 (Enh).		✦ L4L		✦ Enh.				
CHAPS				◆ 1.0 (L4L/Enh.)		◆ 1.1 (L4L/Enh.)		✦ L4L			✦ Enh. In			✦ Enh.
CHATS									◆ 1.0					✦

Notes:
1. Service live date as known in Mar. 2021. Each MI determines their service live & migration dates.
2. Availability dates on SWIFT Translator Standalone, IPLA and SIL deployment models. For availability dates on SWIFT AMH interface product, please contact your SWIFT account manager

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How SWIFT Translator has aided your ISO 20022 adoption

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For more information

1. Check out our SWIFT Translator video

- https://www.swift.com/swift-resource/249981/download

2. Watch and share this webinar

- Will be sent to all participants via mail,
- Will be made available on the Webinar Page on swift.com

3. Contact us

- Via your SWIFT account manager, or
- Directly mystandards@swift.com

4. Check out new article on SWFT Translator

- Via our website under the News & Events page link

5. Subscribe to the MyStandards newsletter

- Via the Preference Centre on www.swift.com

SWIFT Translator

Thank you

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