



ILAP DataExchange Testing Kick-Off – Setup Users

May 11th, 2023

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What can ILAP Data Exchange Transfer?

Core Terms

Schedule data that is ALWAYS part of a transfer

E.g. ActivityID, Description, Start, Finish, % Complete

ILAP Terms

"Custom" Schedule data that CAN BE included in a transfer

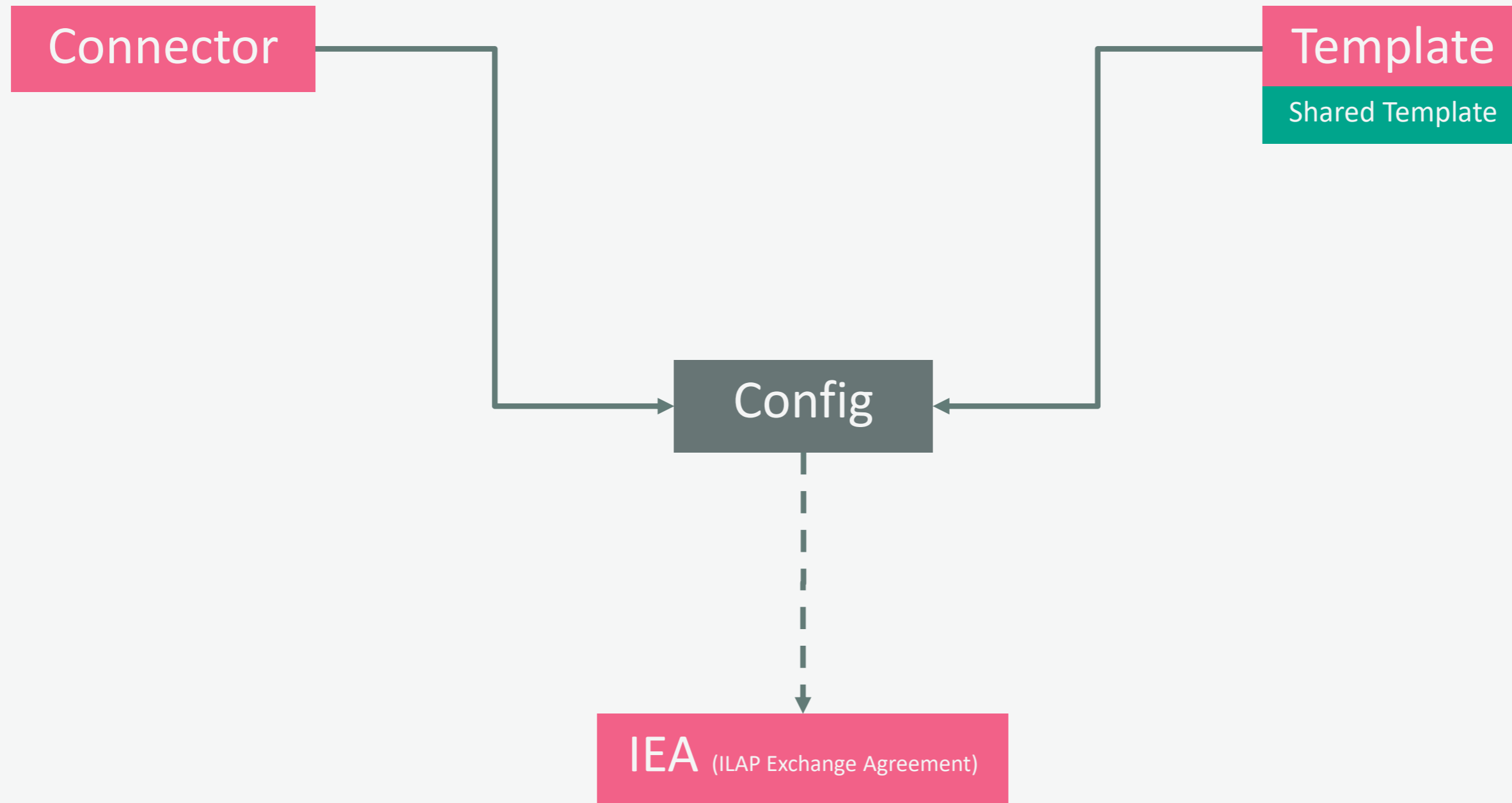
Managed by System Administrator, including content control

ILAP Terms Content Control (example)

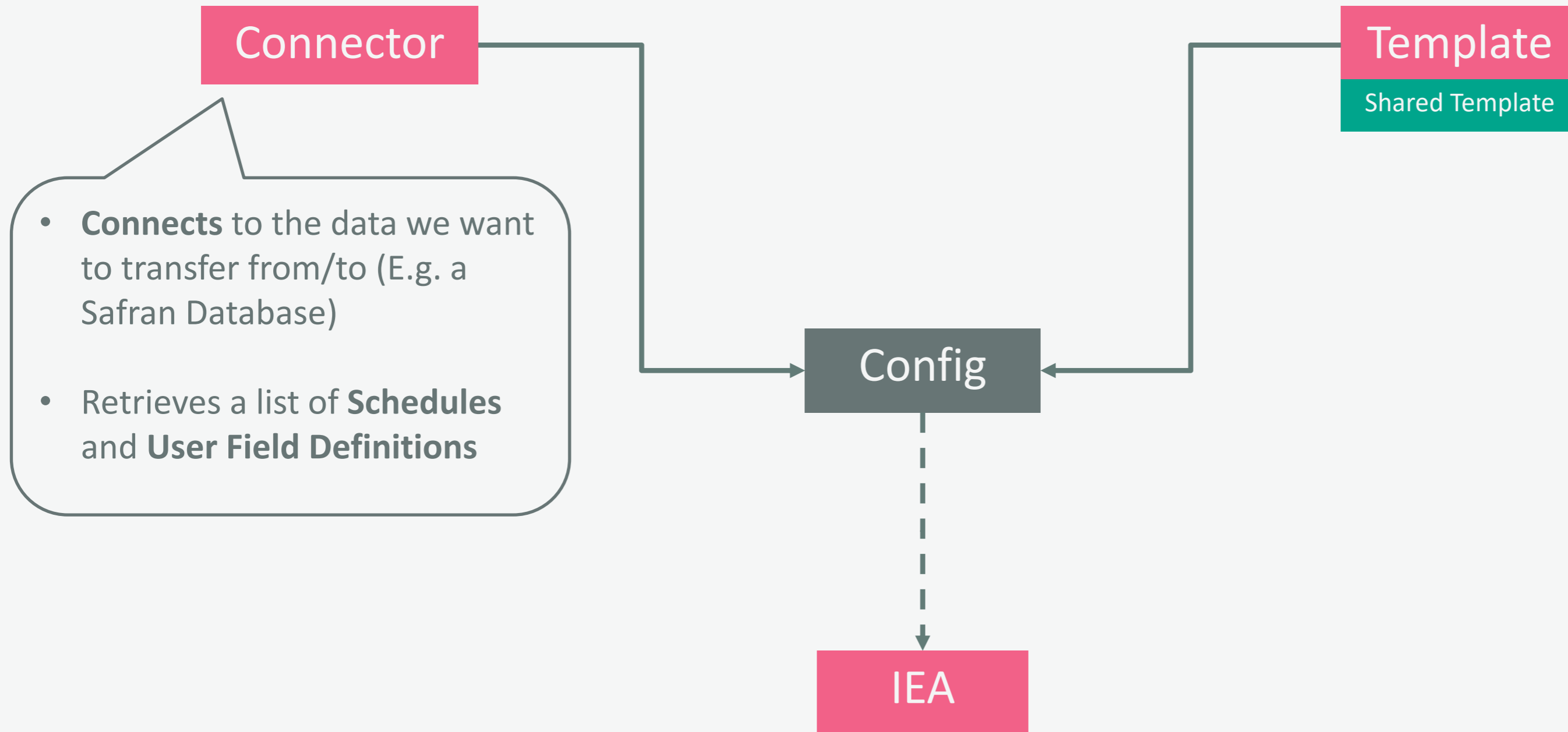
ILAP Term	System	Tenant	Template
Country	X		
Site Location		X	
Procurement Step			X
Responsible			

Allow Blanks: Yes
A01: Technical data
A02: Inquiry Issued
A03: Bids received
A04: PO Placed

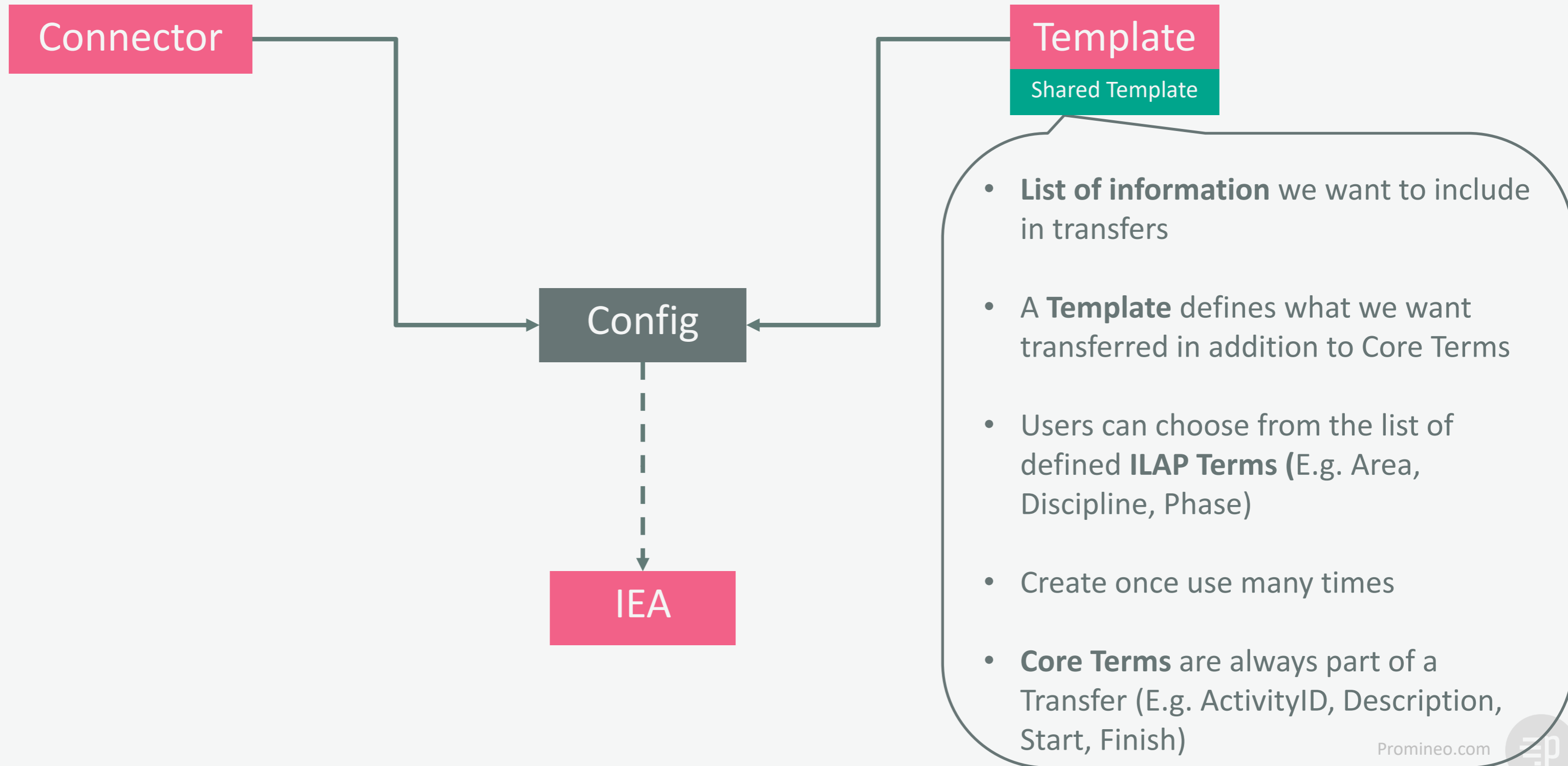
ILAP Data Exchange Conceptual Overview



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Connector

Template

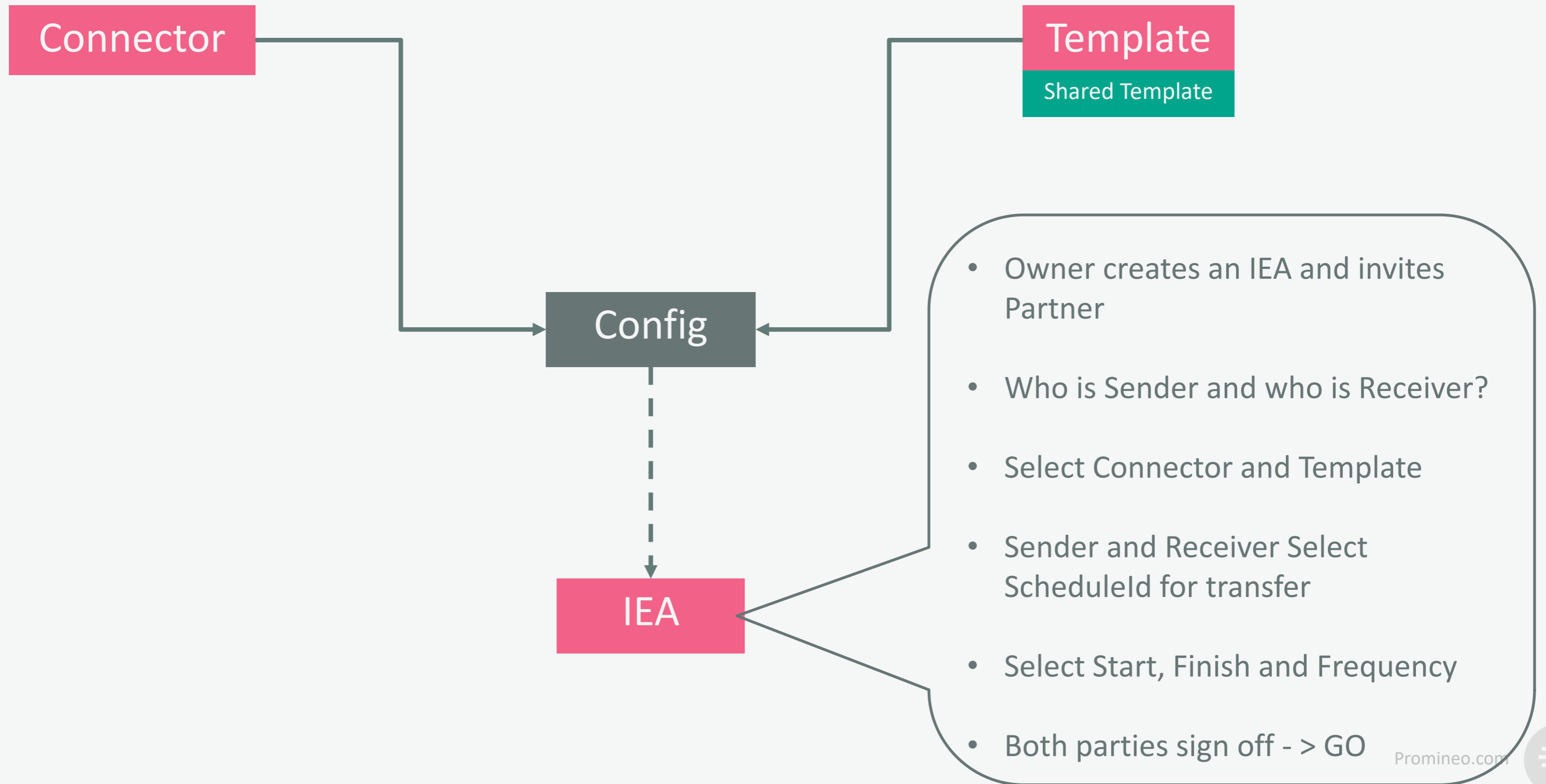
Shared Template

Config

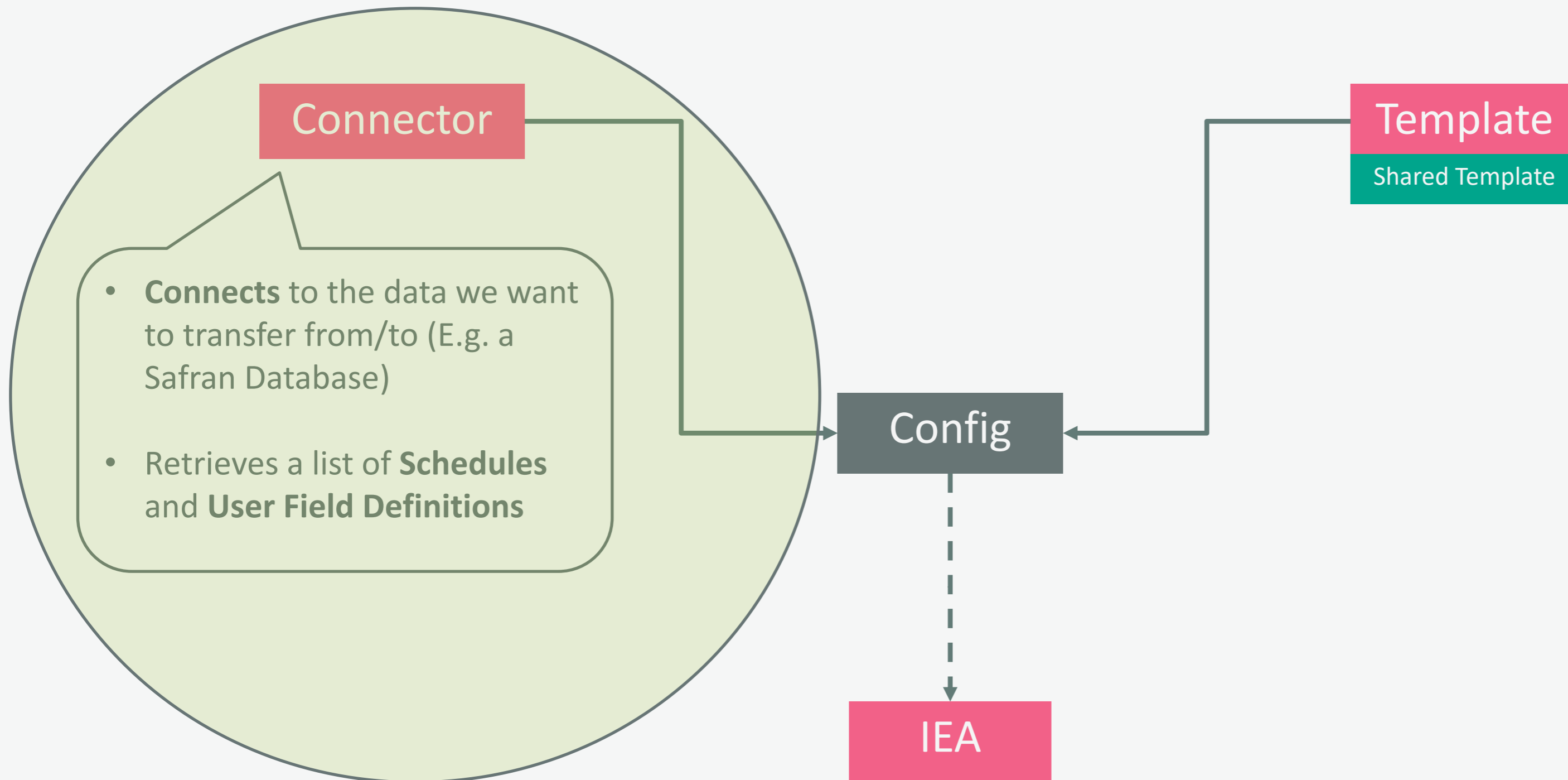
IEA

- Where is the schedule information that the Template asks for?
The **Config** connects one **Template** to similar Schedules in the **Connector**
- If all Safran Schedules have the same user field set-up one **Config** is enough for one **Template**. If not.....
- A **Config** is either **Sending** or **Receiving**
- A **Config** uses Direct Mapping wherever possible, E.g. Discipline -> R3

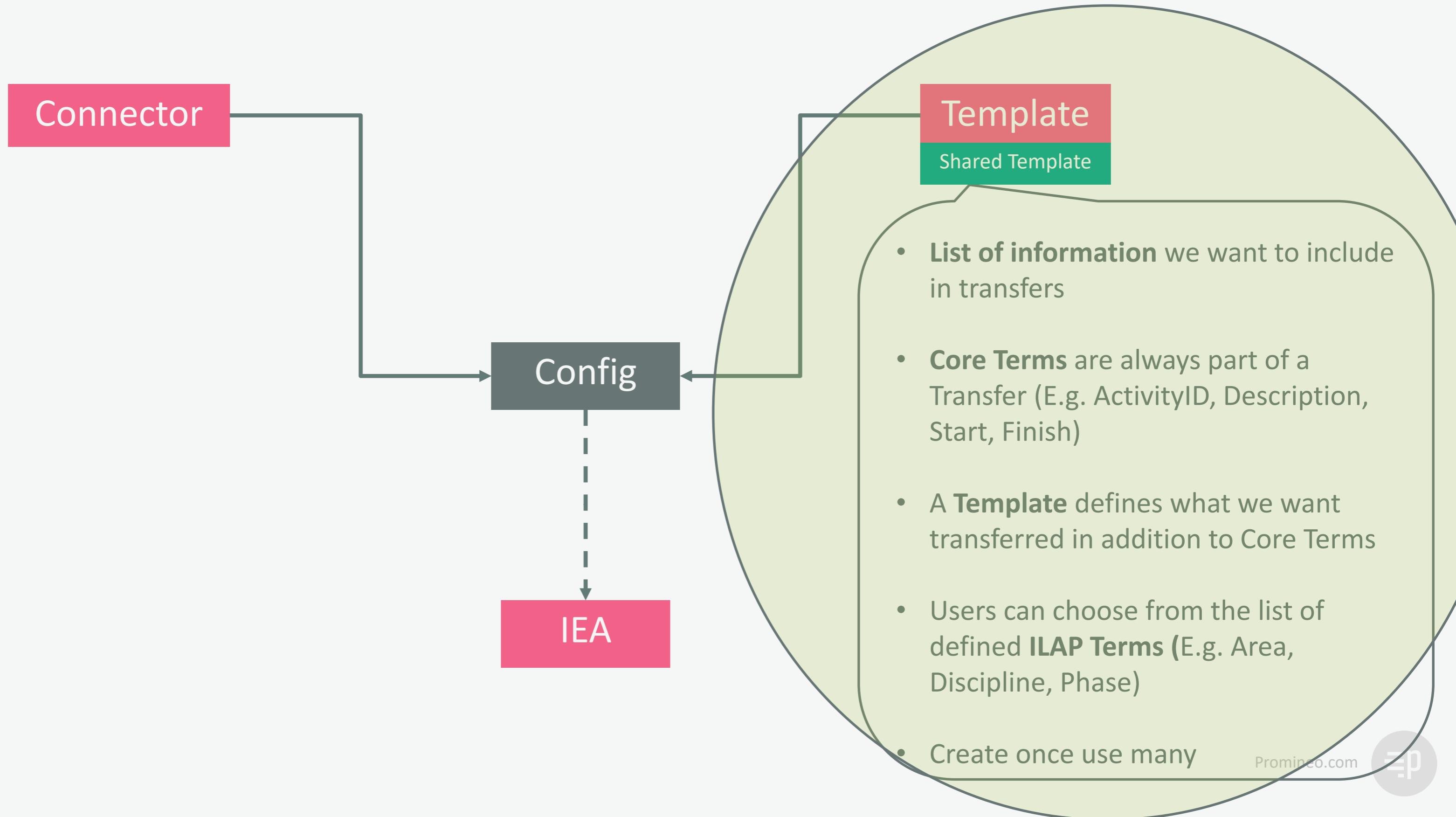
ILAP Data Exchange Conceptual Overview



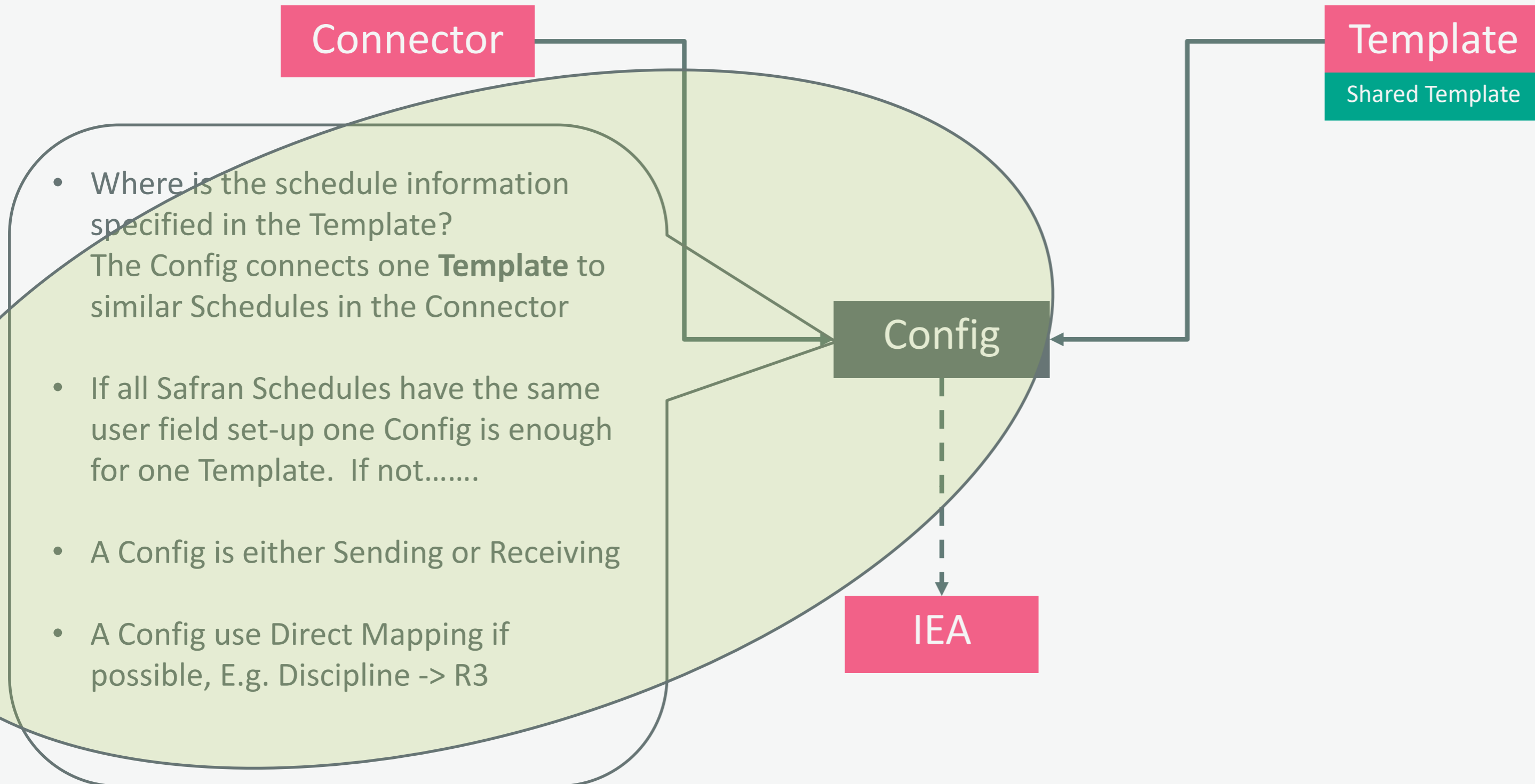
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Why do we need Value Transformation?

Template Dictates that data received must be

ILAP Term *Discipline*, can be

- E – Electro
- I – Instrument
- T - Telecom

Sending Safran Schedule has

Field, R3 (Disiplin), that contains:

Disiplin (Ref3)
E
I
J
E
T
T

Solution

J is not valid according to content control, must be value transformed to I

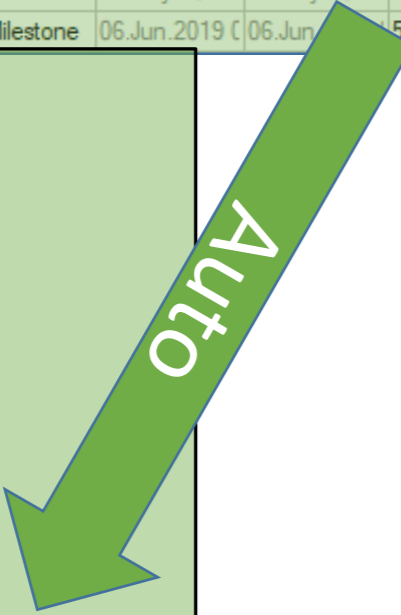
Demo review: Core Terms, Connector, ILAP Terms, Template, sender Config and Upload

Safran Project - Atles Project - Outline View

FILE HOME DATA VIEW PROJECT REPORTS ADMIN

New Open Close Recent Projects Save Save As Save Layout Save Layout As Import Export Database Connection Recent Databases SQL Queries Page Setup Print Preview Print Print Setup Exit

Activity ID	Description	Cancelled Date	Activity Type	Early Start	Early Finish	Calendar	Total QTY (TSH)	R2	Text1	Text2	Actual Start	Actual Finish	Must Start On	Start No Earlier Than	% Complete (PC)
A100	Start Milestone		Start Milestone		28.Feb.2019	5wd8h	500.0	KE	Atle	A.1			01.Mar.2019		100.0
A110	30 day activity		Activity	07.Mar.2019	02.May.2019	5wd8h	100.0	KI	Tor Age	A.2	07.Mar.2019			05.Mar.2019	
A115	Newly added activity		Activity	03.May.2019	16.May.2019	5wd8h	90.0	LT	Asif	B.1.2					0.0
A118	Added to subcontractor		Activity	17.May.2019	17.May.2019	5wd8h	0.0	LT	Asif	B.1					0.0
A120	10 day activity	03.May.2023	Activity	17.May.2019	18.May.2019	7x24	250.0	KJ	Leif Arild	B.1		18.May.2019			
A130	Finish milestone		Finish Milestone	06.Jun.2019	06.Jun.2019	5wd8h	600.0	LE	Erik	B.1.1					0.0



- CORE TERMS:**
- Code [string]
 - Description [string]
 - CalendarId [int]
 - EarlyStart [datetime]
 - EarlyFinish [datetime]
 - LateFinish [datetime]
 - LateStart [datetime]
 - ActivityType [int]
 - ActualFinish [datetime]
 - ActualStart [datetime]
 - PlannedWorkHours [double]
 - ActualWorkHours [double]
 - RemainingWorkHours [double]
 - CurrentProgress [double]
 - PlannedProgress [double]
 - FreeFloatHours [double]
 - TotalFloatHours [double]
 - CancelledDate [datetime]
 - IsCancelled [bool]
 - FinishAsEarlyAsPossible [bool]
 - StartAsEarlyAsPossible [bool]
 - StartAsLateAsPossible [bool]
 - FinishNoLaterThan [datetime]
 - MustFinishOn [datetime]
 - MustStartOn [datetime]
 - StartNoEarlierThan [datetime]
 - StartNoLaterThan [datetime]
 - IsAlwaysOnSchedule [bool]

Controlled by **Connector's** UserField Definitions for host system:
For Safran: R1-R60, Text1-40, etc
For P6: Global ActivityCodes + UDFs
For MSProject: Text1-30, OutlineCode1-10, etc
For SAP: SAP Specific ILAP Terms (For Order, Operation and Confirmation)

Sender Config =
 Assign (and transform) User Fields in Connector to ILAP Terms in Template - For a defined set of schedules



- ✓ Core Terms
- ✓ Connector
- ✓ Template
- ✓ ILAP Terms
- ✓ Sender Config
- ✓ Upload (file sent to Collabor8)

Override **Core Term(s)**

Description
 If(IsCancelled, "CANCELLED: " + Description, Description)

Our demo uses these **ILAP Terms** in **Template** + transformations for **sender Config**:

Discipline	Phase	Responsible	WBS
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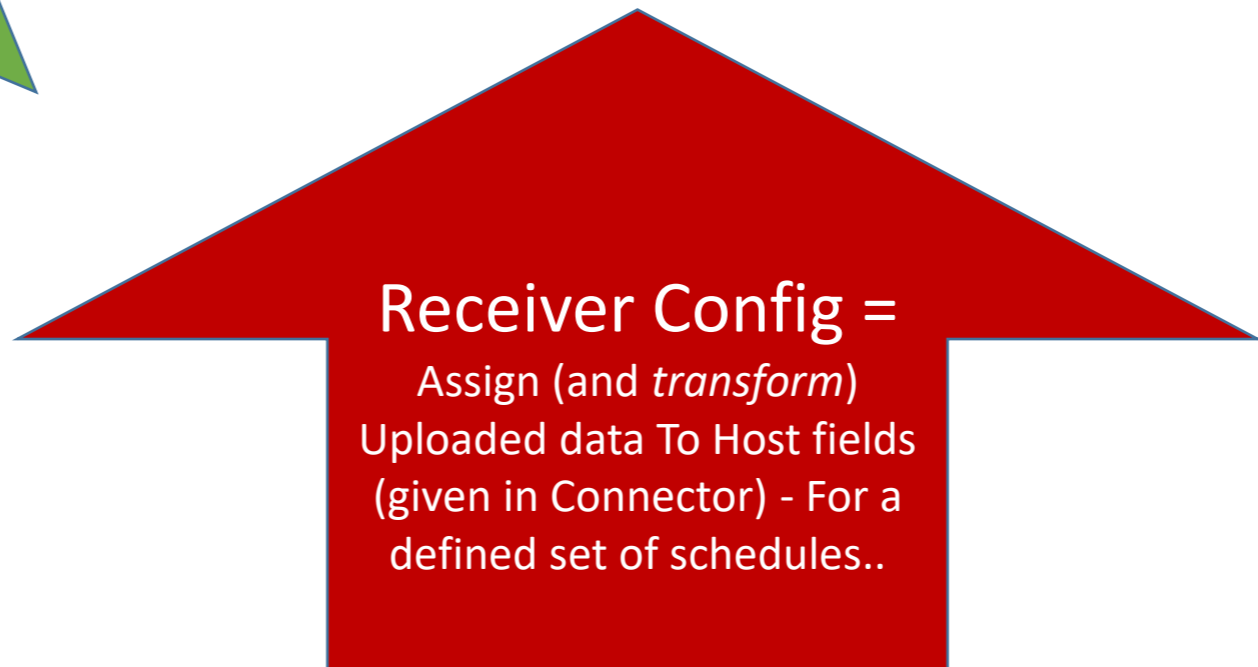
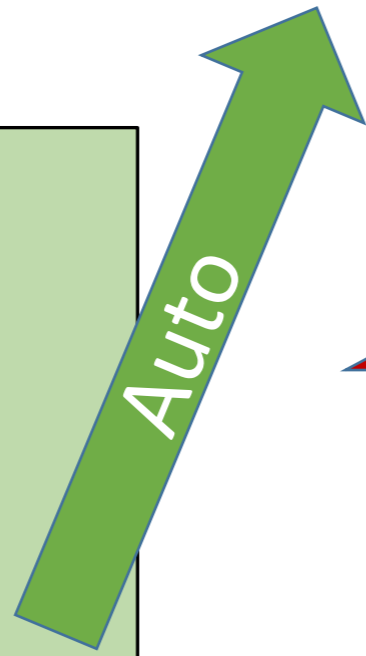


Demo review: The receiver Config...

Activity ID	Description	Cancelled Date	Activity Type	Early Start	Early Finish	Calendar	Total QTY (TSH)	Discipline (Text1)	Phase (Text2)	Responsible (Text3)	WBS (Text4)	Actual Start	Actual Finish	Must Start On	Start No Earlier Than	% Complete (PC)
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CORE TERMS:

Code [string]
 Description [string]
 CalendarId [int]
 EarlyStart [datetime]
 EarlyFinish [datetime]
 LateFinish [datetime]
 LateStart [datetime]
 ActivityType [int]
 ActualFinish [datetime]
 ActualStart [datetime]
 PlannedWorkHours [double]
 ActualWorkHours [double]
 RemainingWorkHours [double]
 CurrentProgress [double]
 PlannedProgress [double]
 FreeFloatHours [double]
 TotalFloatHours [double]
 CancelledDate [datetime]
 IsCancelled [bool]
 FinishAsEarlyAsPossible [bool]
 StartAsEarlyAsPossible [bool]
 StartAsLateAsPossible [bool]
 FinishNoLaterThan [datetime]
 MustFinishOn [datetime]
 MustStartOn [datetime]
 StartNoEarlierThan [datetime]
 StartNoLaterThan [datetime]
 IsAlwaysOnSchedule [bool]



✓ **Receiver Config**

✓ **Download**
 (data from Collabor8 file updates receiving host system)

Override Core Field

Code
"XX_" + Code

Our demo uses these **ILAP Terms** in **Template** + mappings for receiver **Config**:

Discipline	Phase	Responsible	WBS
Text1	Text2	Text3	Text4

Questions?





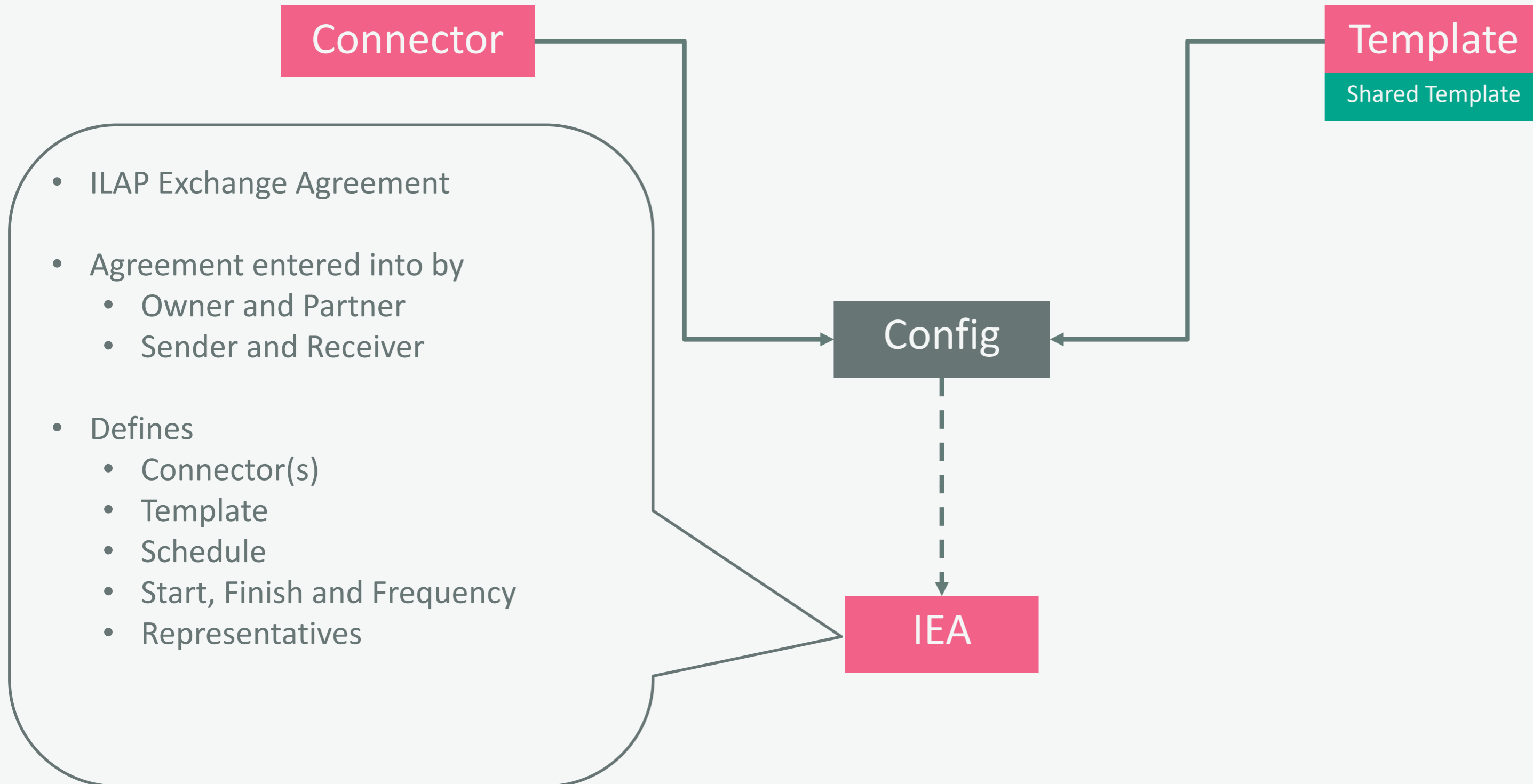
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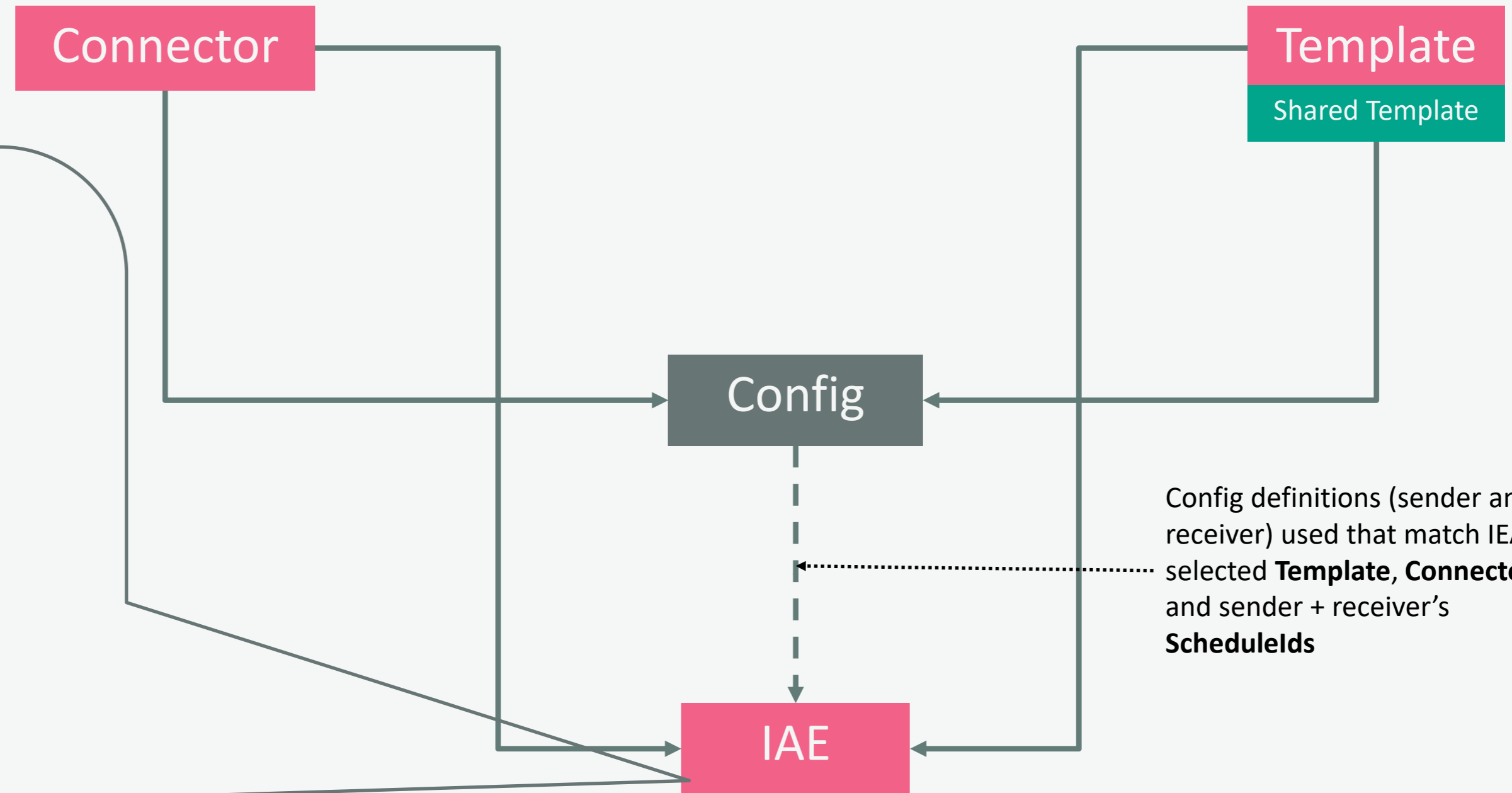
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ILAP Data Exchange Conceptual Overview



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- ILAP Exchange Agreement
- Agreement entered into by
 - Owner and Partner
 - Sender and Receiver
- Defines
 - Connector(s)
 - Template
 - Schedule
 - Start, Finish and Frequency
 - Representatives

Config definitions (sender and receiver) used that match IEA's selected **Template, Connector** and sender + receiver's **ScheduleIds**

Questions?

