



CHANNELS AND GATEWAYS

Technical - Overview

Integration Team

2018

AGENDA



- Overview
- GPP Positioning
- Integration Architecture
- Interface Layer
- Protocols and Transmission
- Terminology



Global PAYplus (GPP) can integrate with a financial institution's systems via various interfaces. Each interface is dedicated to a specific functionality”

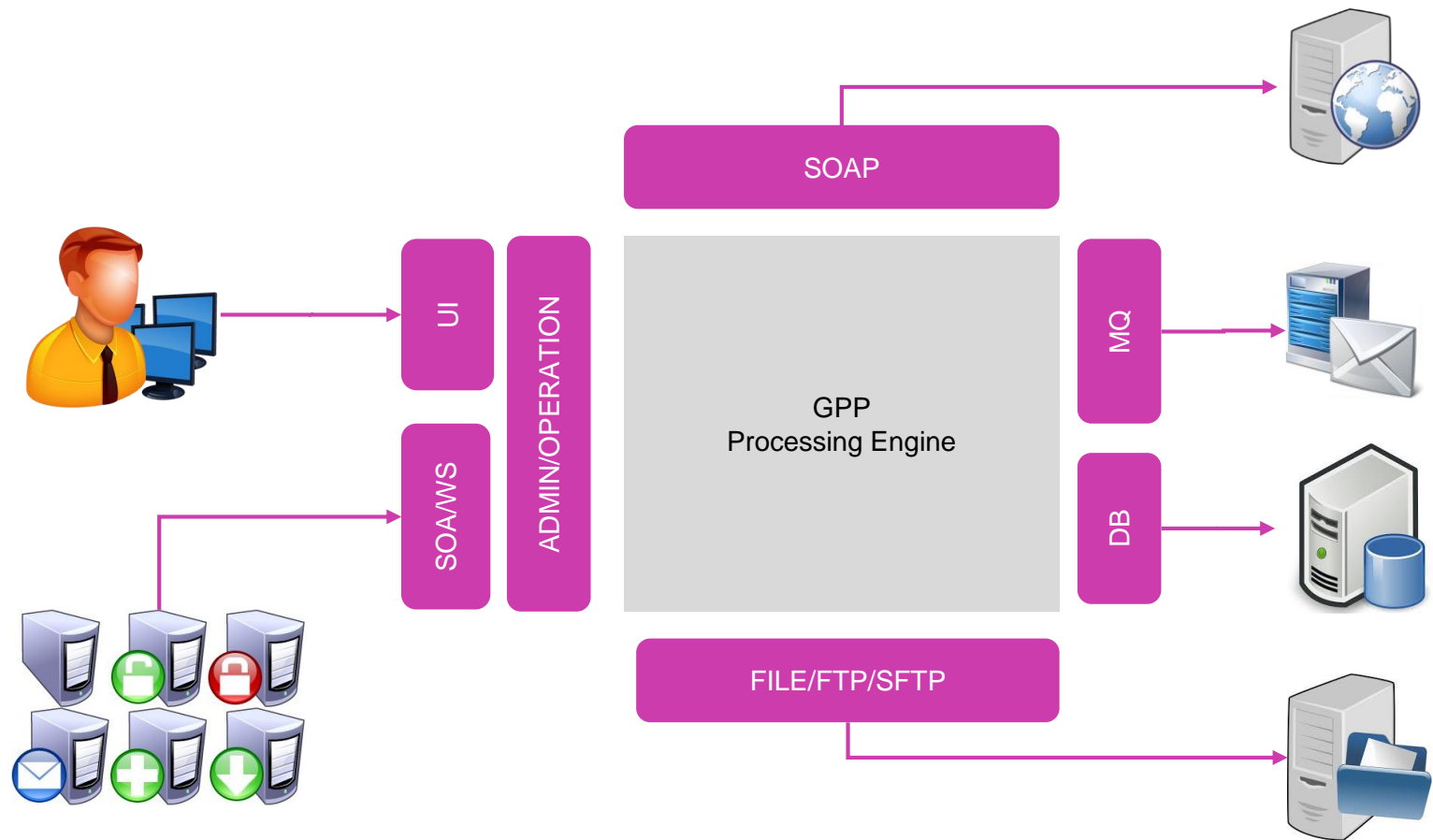
System Integration – Technical Guide

GPP POSITIONING

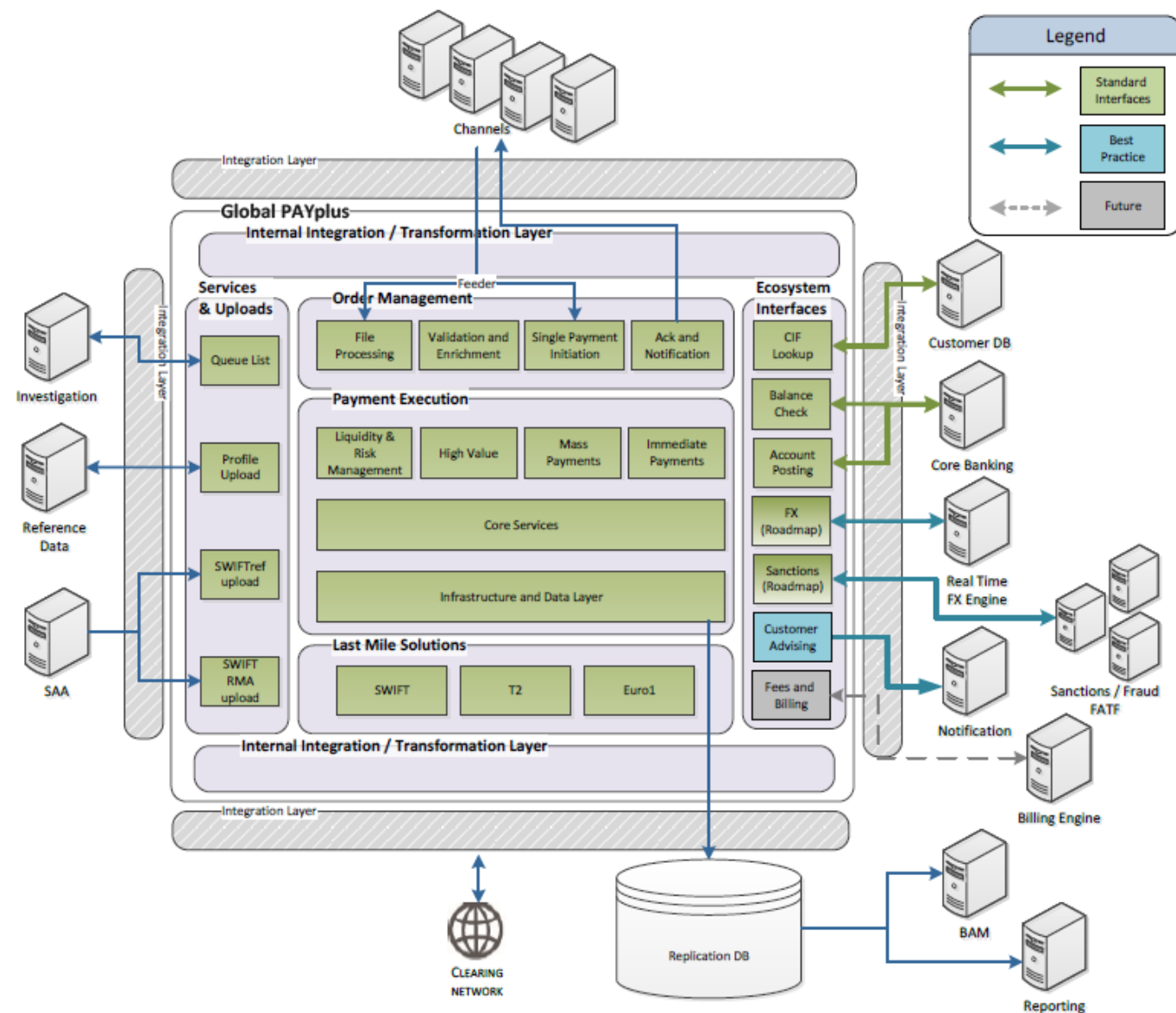


- GPP communicates with various upstream, downstream and human channels.
- It supports various messaging format and communication protocol.
- Supports integration with various technical and business systems.
- Integration is achieved by means of Application, environment configuration and development.
- Supports Synchronous and Asynchronous communication.

GPP POSITIONING



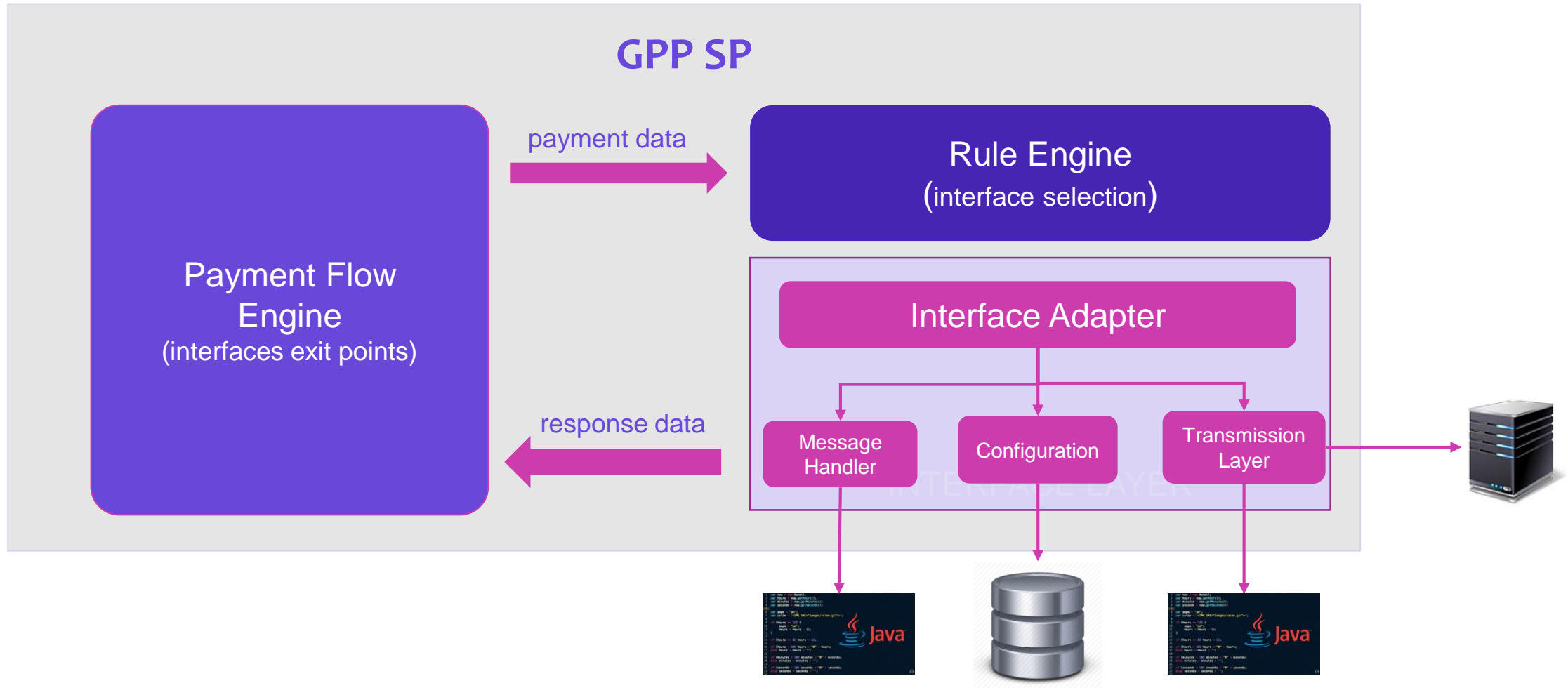
INTEGRATION ARCHITECTURE



COMMUNICATION CHANNELS

- **UI** – Operational and Administrative activities
 - Payment Processing
 - Reference data update
 - Reporting
- **SOA-WS** – Initiate processing externally for payment/data
 - Invokes services from external system
 - Data upload, SOD/EOD task etc.
- **MQ** – External inbound/outbound asynchronous message processing
- **File/FTP/SFTP** – External inbound/outbound file processing
- **SOAP** – External synchronous data processing

INTERFACE LAYER

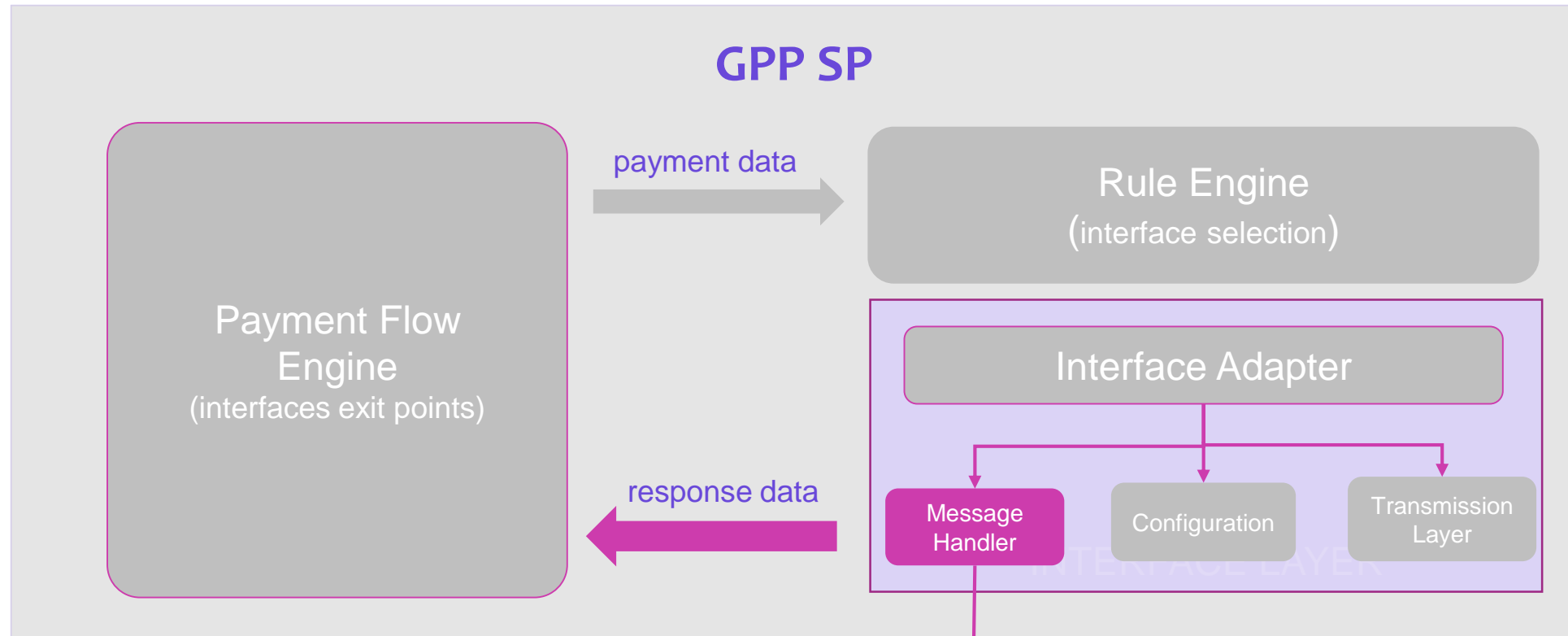


INTERFACE CONFIGURATION ATTRIBUTES



- **Handler** – Java code for parsing/processing message
- **Direction** – Incoming or outgoing
- **Behavior** – Processing behavior in event of interface down
- **Endpoint** – Source or destination for message
- **Protocol** – Transmission protocol to be used i.e. MQ/SOAP/FILE/DB etc
- **Scaling** – Scaling factor for parallel processing

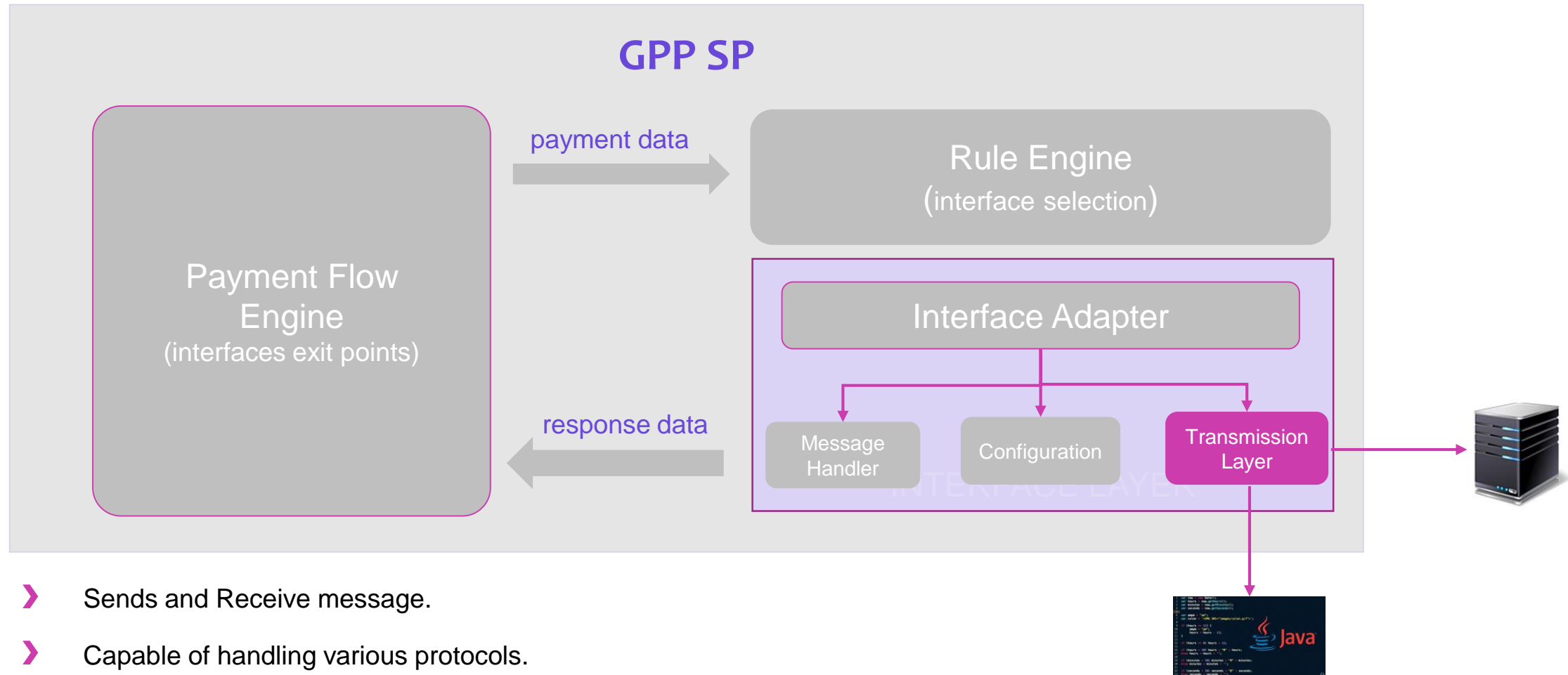
MESSAGE HANDLERS



- Implemented in Java and configured in respective interface record.
- Generates out going message from payment.
- De-serializes incoming message and update payment
- Capable of generating messages in various formats



TRANSMISSION LAYER



Thank you

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