



SAP Customer Experience

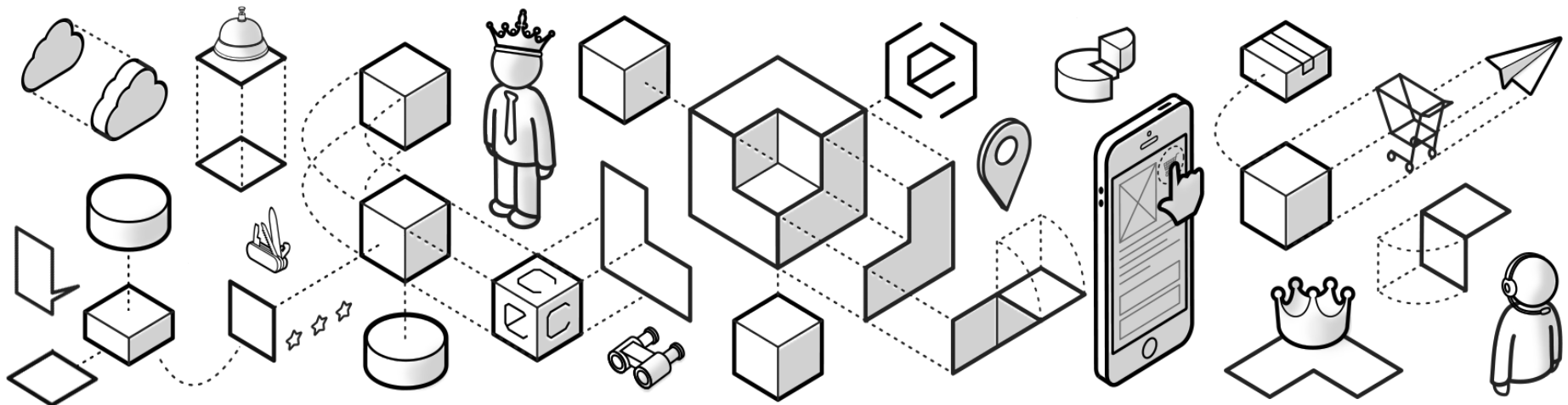
# Payment



- The hybris Payment module provides the tools to access the external payment service provider (PSP) that will handle electronic payments on your site.
  - Offers PSP-specific payment adapters
  - Customize these adapters to support your payment needs
  - Write your own adapters for PSP not supported OOTB.
- Benefits
  - Provide multiple payment options
  - Immediate authorization via automated payment validation
  - Centralize payment processing management for one or more sales channels
  - Follow PCI guidelines to ensure data security

The major features of the Payment Module are:

- Embedded credit and debit card payment processing
- Payment authorization
- Payment spread over multiple credit cards
- Voiding transactions
- Issuing Refunds



# SOP & HOP

Introduction  
SOP & HOP  
Integration • Cmd Factory  
Integration • CIS

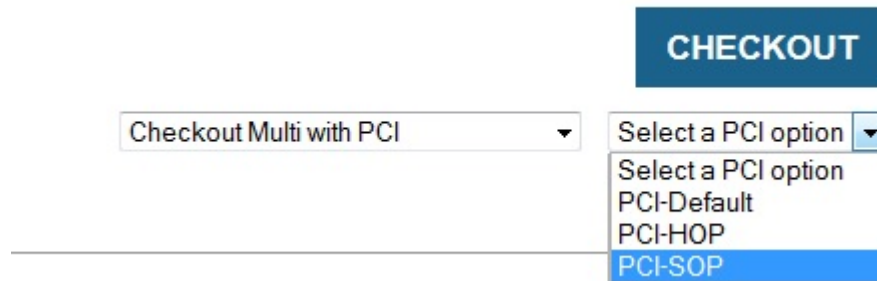
## Hosted Order Page (HOP)

- Payment form generated by payment provider
- Data sent directly to provider
- Customize appearance, branding, payment options, etc.

## Silent Order Post (SOP)

- Payment form generated by hybris site – so complete control over its layout
- Form POSTs directly to payment provider to create subscription
  - No controller or other business logic on hybris site has access to credit card data

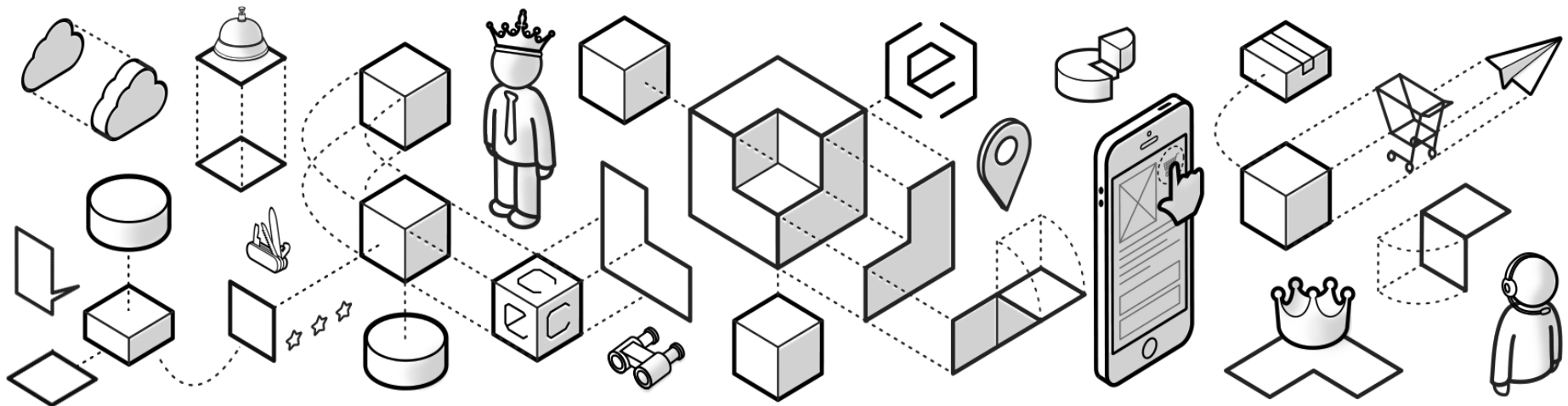
- Accelerator offers checkout with PCI options:



The screenshot shows a checkout interface. At the top right is a blue button labeled 'CHECKOUT'. Below it, on the left, is a dropdown menu with the text 'Checkout Multi with PCI'. To the right of this is another dropdown menu labeled 'Select a PCI option'. This menu is open, showing four options: 'Select a PCI option' (the header), 'PCI-Default', 'PCI-HOP', and 'PCI-SOP'. The 'PCI-SOP' option is highlighted in blue.

- By default, the above selection is used  
([sessionOverrideCheckoutFlowFacade](#))
- PCI strategy can be specified in custom project:

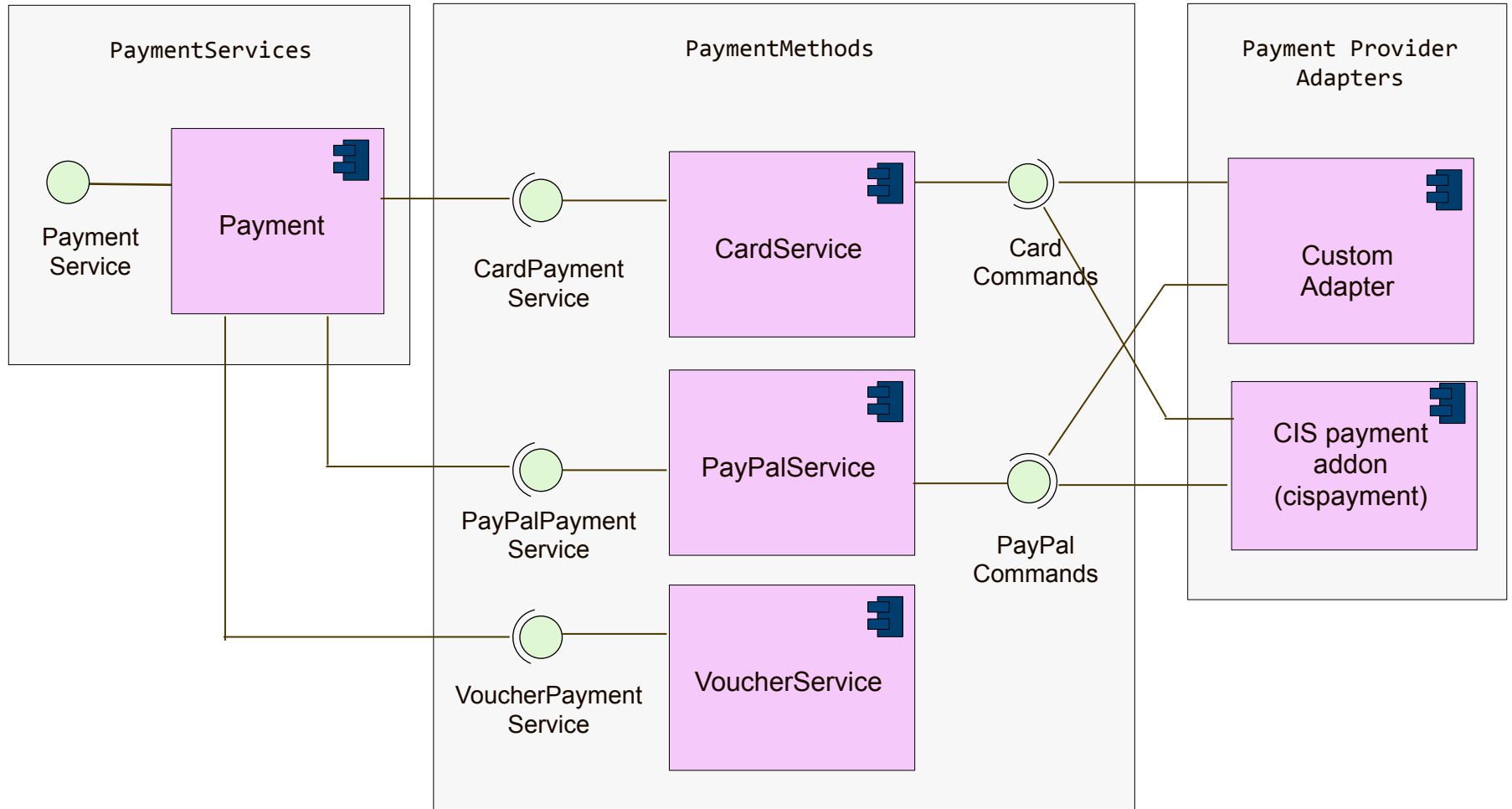
**site.pci.strategy=SOP**



# Payment Integration • Command Factory

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- CreateSubscriptionCommand
- DeleteSubscriptionCommand
- AuthorizationCommand
  - Checks for valid credit card data
  - Authorized amount will be locked until capture or cancellation
- SubscriptionAuthorizationCommand
  - Subscription-based card authorization
  - Authorized amount will be locked until capture or cancellation



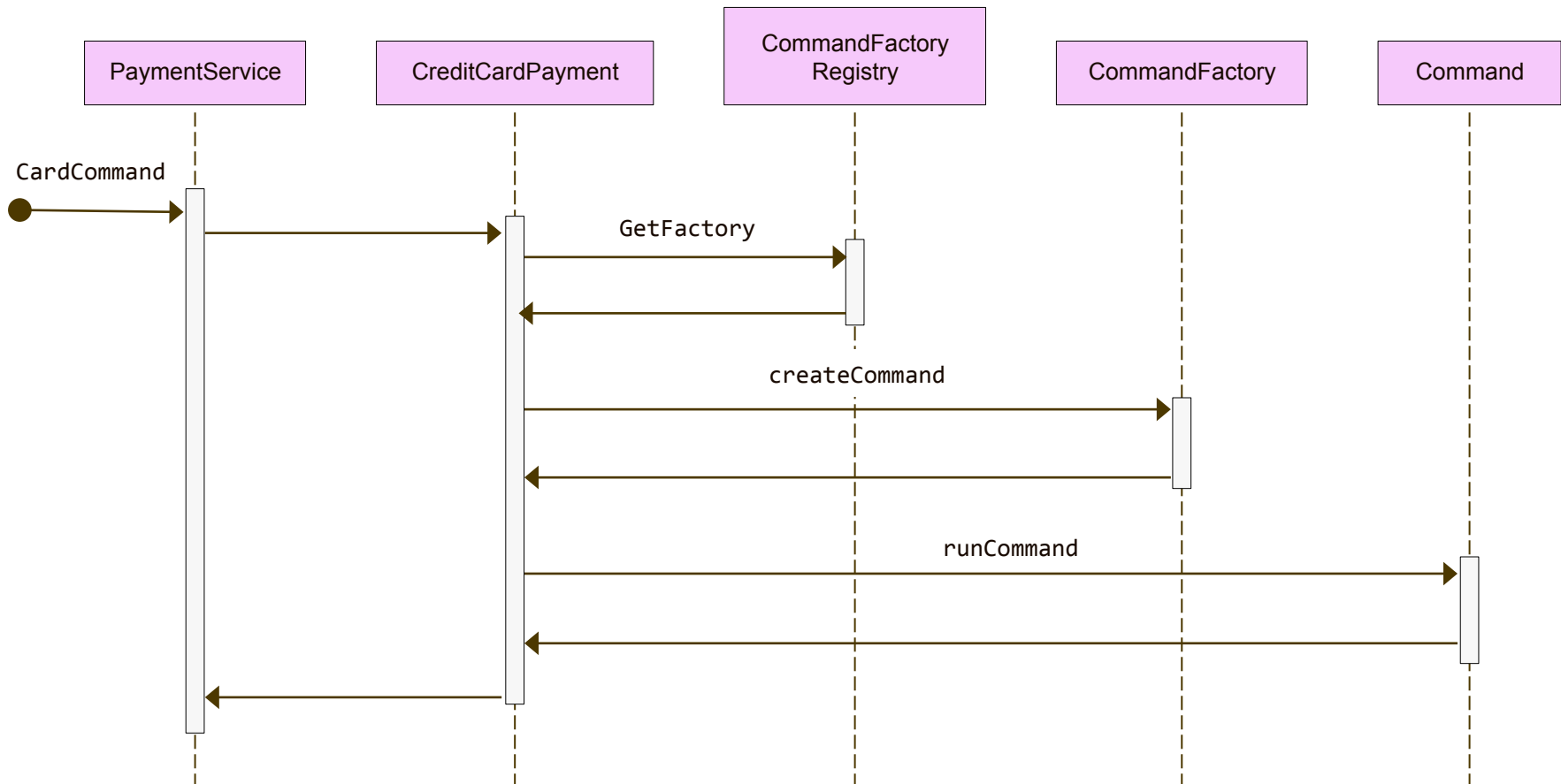
- VoidCommand
  - Transactions can be voided only if payment provider has not already submitted capture to processor
- CaptureCommand
  - Authorized amount will be transferred to the merchant account
- PartialCaptureCommand
- FollowOnRefundCommand
  - Return money to customer following an earlier order refund
- StandaloneRefundCommand
  - Goodwill refund



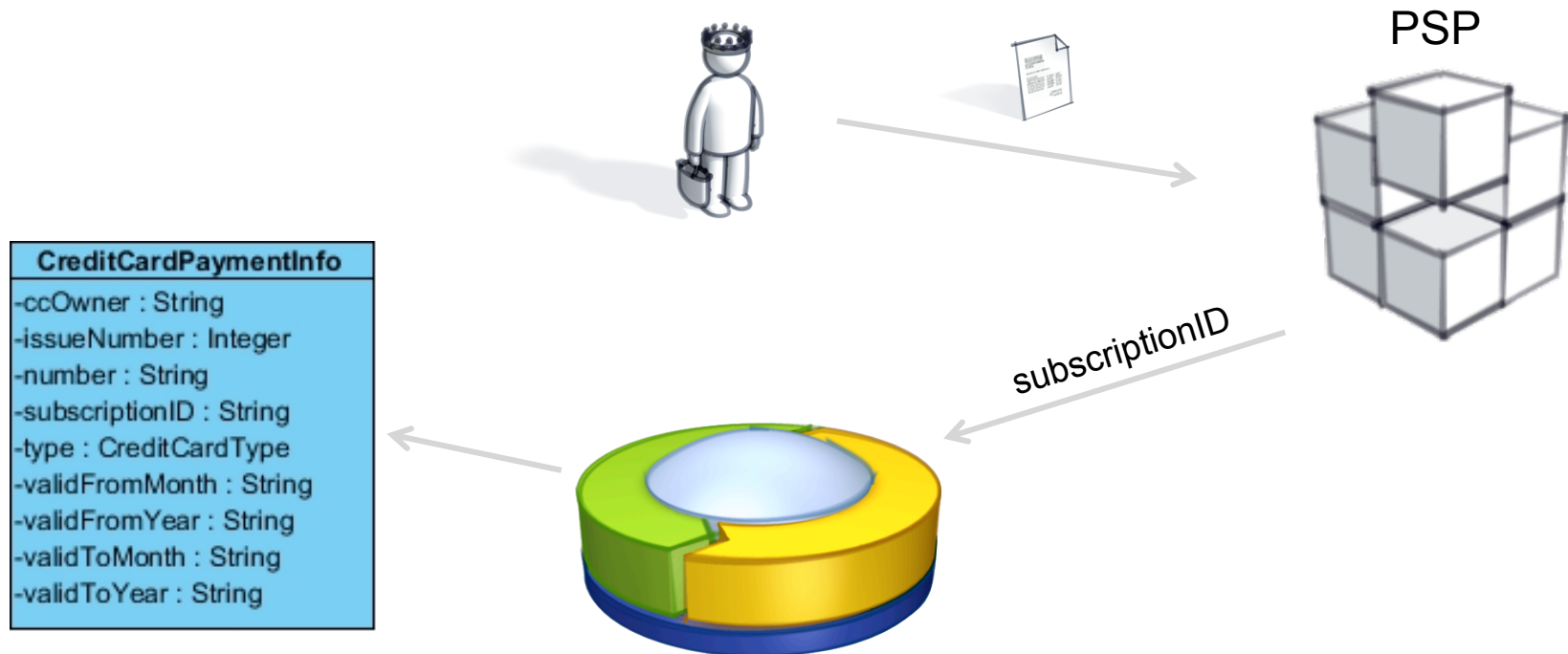
- UpdateSubscriptionCommand
- GetSubscriptionDataCommand
- EnrollmentCheckCommand
- IsApplicableCommand
  - Must be implemented by each payment provider
  - Using arguments provided, verifies whether payment provider is applicable



# Command Invocation – CreditCardCommand example



- Best practice - PSP stores full credit card information
- Further communication via subscriptionID



# How to setup a CommandFactory – custom example



```
<bean name="mockupCommandFactory" class=
"de.hybris.platform.payment.commands.factory.impl.DefaultCommandFactoryImpl">
  <property name="paymentProvider" value="Mockup"/>
  <property name="commands">
    <map>...</map>
  </property>
</bean>
```

```
<entry>
  <key>
    <value type="java.lang.Class">
      de.hybris.platform.payment.commands.CreateSubscriptionCommand
    </value>
  </key>
  <bean class=
    "de.hybris.platform.payment.commands.impl.CreateSubscriptionMockCommand"/>
</entry>
```

# Thank you.

