BAIP Aufgabe 4

HAPSAR Adapter



Transportdienstleister Adapter

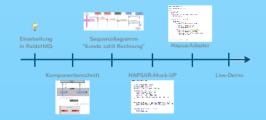


BAIP Aufgabe 4

HAPSAR Adapter

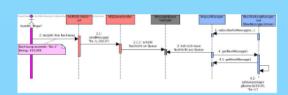


HAPSAR Adapter





Einarbeitung in RabbitMQ

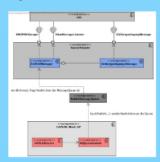


Sequenzdiagramm
"Kunde zahlt Rechnung"



HapsarAdapter

Komponentenschnitt



HAPSAR-Mock-UP

```
public class PKOurousender{

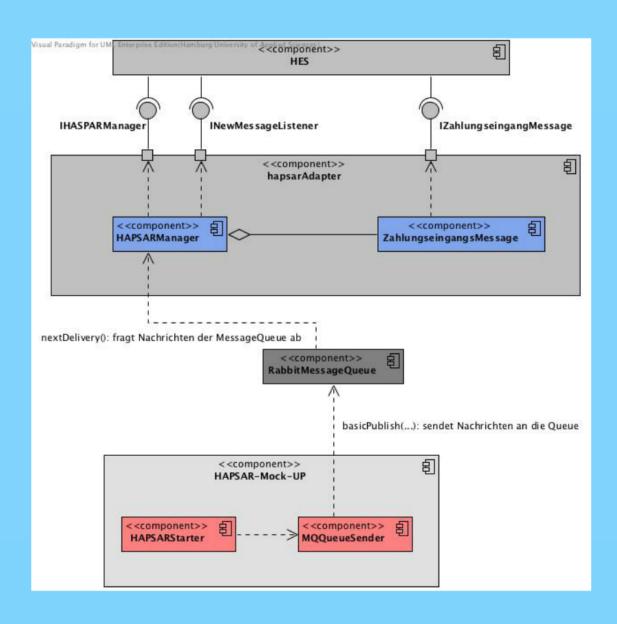
private ConnectionPactory factory;
private Connection connection;
private Connection connection;
private Final String OUDE_MANE = "MAPSAM";

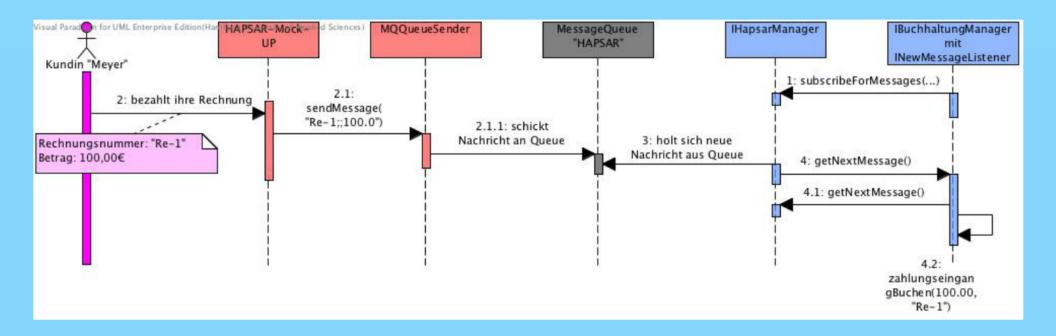
RKOurousender() throws DKException {
    factory = new ConnectionPactory();
    factory = new ConnectionPactory();
    factory = new ConnectionPactory();
    connection = factory.newConnection();
    connection = factory.newConnection();
    channel = connection.createCharme();
    channel = connection.createCharme();
    channel.peudection=(QUOUE_MANE, true, false, false, null);
}

public void sendPessage(String nessage) throws IOException {
    channel.bsis(rum); Sent "* + ressage = "");
}

public void close() throws IOException {
    channel.close();
    connection.close();
    connection.close();
}
```

Komponentenschnitt





Sequenzdiagramm "Kunde zahlt Rechnung"

HAPSAR-Mock-UP

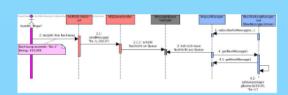
```
public class MQQueueSender{
    private ConnectionFactory factory;
    private Connection connection;
    private Channel channel;
    private final String QUEUE NAME = "HAPSAR";
    MQQueueSender() throws IOException {
        factory = new ConnectionFactory();
        factorv.setHost("localhost");
        connection = factory.newConnection();
        channel = connection.createChannel();
        channel.queueDeclare(QUEUE_NAME, true, false, false, null);
    public void sendMessage(String message) throws IOException {
        channel.basicPublish("", QUEUE_NAME, null, message.getBytes());
        System.out.println(" Sent '" + message + "'");
    public void close() throws IOException {
        channel.close();
        connection.close();
```

```
public HAPSARManager() {...}
private boolean isReceive() {...}
@Override
public void start() {
    receive = true:
    try {
        channel.basicConsume(QUEUE_NAME, true, consumer);
    } catch (IOException e) {
        e.printStackTrace();
    receiverThread = new Runnable() {
        @Override
        public void run() {
            while (isReceive()) {
                QueueingConsumer.Delivery delivery = null;
                try {
                    delivery = consumer.nextDelivery();
                } catch (InterruptedException e) {
                    e.printStackTrace();
                String message = new String(delivery.getBody());
                System.out.println("Received: "+message);
                messages.add(new ZahlungseingangMessage(message));
                for (INewMessageListener listener : messageListener){
                    listener.getNextMessage();
   }:
   new Thread(receiverThread).start();
```

HapsarAdapter



Einarbeitung in RabbitMQ

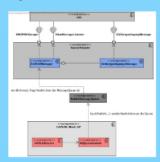


Sequenzdiagramm
"Kunde zahlt Rechnung"



HapsarAdapter

Komponentenschnitt



HAPSAR-Mock-UP

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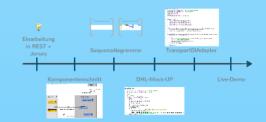
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```

BAIP Aufgabe 4

HAPSAR Adapter



Transportdienstleister Adapter

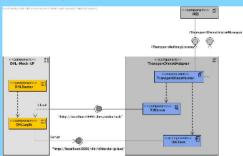






TransportDIAdapter

Komponentenschnitt



DHL-Mock-UP

orant'rAdkoeder' |
public (Assi Lajic)

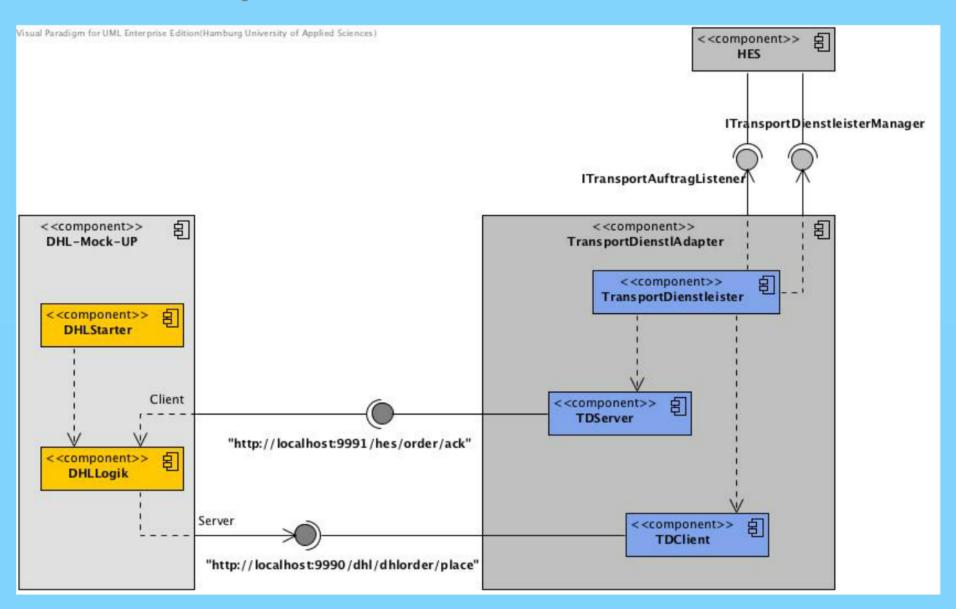
tataic fasal Sring NNS_ARRI NNF = "http://locallocti6902/hes";

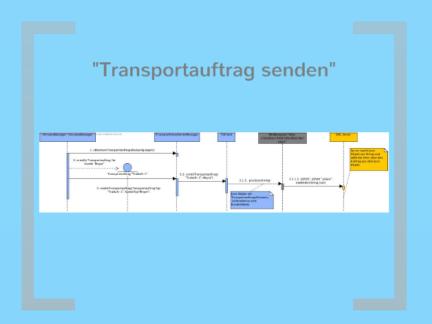
tataic fasal Sring NNS_ARRI NNF = "http://locallocti6902/hes";

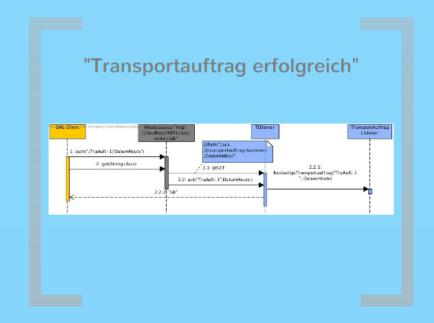
tataic fasal Sring NNS_ARRI NNF = "http://locallocti6902/hes";

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Komponentenschnitt

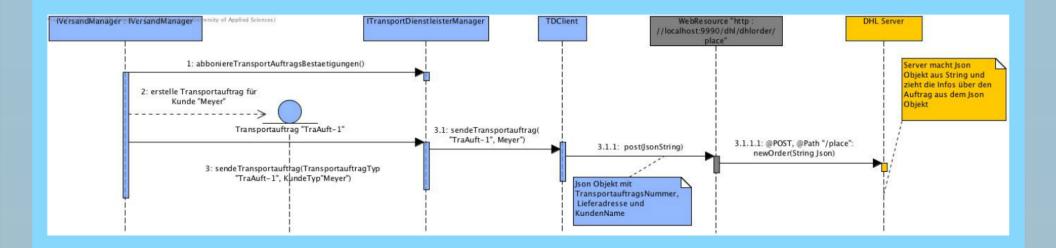




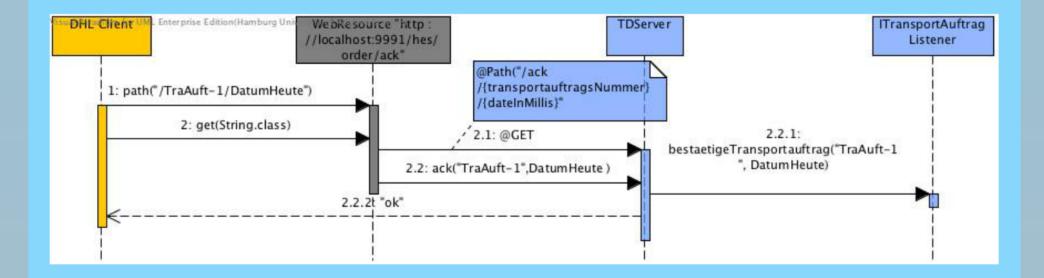


Sequenzdiagramme

"Transportauftrag senden"



"Transportauftrag erfolgreich"



DHL-Mock-UP

```
@Path("/dhlorder")
public class Logic {
    static final String HES_REST_URI = "http://localhost:9991/hes";
    static final String HES ORDERACK PATH = "order/ack";
    @P0ST
   @Path("/place")
    @Consumes(MediaType.TEXT_PLAIN)
   public void newOrder(String orderString) {
        JSONObject order = null;
        try {
            order = new JSONObject(orderString);
        } catch (JSONException e) {
            e.printStackTrace();
        String transportauftragsNummer = null;
        String name = null;
        String adresse = null;
        try {
            transportauftragsNummer = order.getString("transportauftragsNummer");
            name = order.getString("name");
            adresse = order.getString("adresse");
            System.out.printf("Transportauftrag erhalten für: %s %s %s%n", name, adresse, transportauftragsNummer);
        } catch (JSONException e) {
```

```
public class TDClient {
    static final String REST_URI = "http://localhost:9990/dhl/";
    static final String PLACE_PATH = "dhlorder/place";
    ClientConfig config;
    WebResource service;
    WebResource subService:
    com.sun.jersey.api.client.Client client;
   public TDClient() {
        this.config = new DefaultClientConfig();
        config.getClasses().add(JSONObject.class);
        this.client = Client.create(config);
        this.service = client.resource(REST URI);
        this.subService = service.path(PLACE PATH);
    public void sendeTransportauftrag(TransportauftragTyp transportauftrag, KundenTyp kunde) {
        JSONObject ison = transportTypenZuJSON(transportauftrag, kunde);
        subService.type(MediaType.TEXT_PLAIN).post(json.toString());
    private JSONObject transportTypenZuJSON(TransportauftragTyp transportauftrag, KundenTyp kunde) {
        JSONObject json = new JSONObject();
        trv {
            json.put("transportauftragsNummer", transportauftrag.getTransportauftragNr());
            json.put("name", kunde.getName());
            json.put("adresse", kunde.getAdresse());
        } catch (JSONException e) {
            e.printStackTrace();
        return json;
```

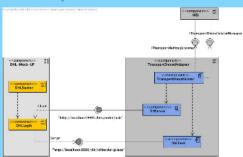
TransportDIAdapter





TransportDIAdapter

Komponentenschnitt



DHL-Mock-UP

cross("Adlandar";
public class topic {
 state fama fortrop ANG_ARRET_DATE = "http://iscothest.1991/hes";
 state fama fortrop ANG_ARRET_DATE = "http://iscothest.1991/hes";
 state fama fortrop ANG_ARRET_DATE = "ursee/sale";

 cross
 cross
 cross cro