Klassendiagramm - Gruppe Schmitt Bleibt's bei getInstance oder Autoren: Nico Bollmann, Alexander Deckert, Tim Gaudich, Torsten Schmitt, Malgorzata Wdzieczny Directory Message → Message Nutzung von Singleton-Pattern -em1:double -orderNumber:String -em2:double +setOrderNumber(orderNumber:String):void -a1:double KafkaProducer DatabaseSender +getOrderNumber():String -a2:double -b1:double -<u>instance</u>:KafkaProducer -mongoClient:MongoClient -b2:double -topicName:String -mongoDatabase:mongoDatabase -overallStatus:String -preoducer:Producer<String, String> -<u>instance</u>:DatabaseSender -ts_start:long +getInstance():KafkaProducer +getDatabaseSender():DatabaseSender -ts_stop:long -putProperties(properties:Properties):void +insertMessage(message:Message):void +toString():String +sendMessage(data:String):void ActiveMQMessage -customerNumber:int -materialNumber:int -orderNumber:String DirectoryListener -timeStamp:Date +setCustomerNumber(customerNumber:int):void -<u>instance</u>:DirectoryListener +setMaterialNumber(materialNumber:int):void -<u>filePath</u>:String +getOrderNumber():String +getDirectoryListener(filePath:String):DirectoryListener +setOrderNumber(orderNumber:String):void -<u>checkDirectory(path:Path)</u>:void +setTimeStamp(timeStamp:Date):void +run():void XmlConverter +toString():String -<u>instance</u>:XmlConverter KafkaMessage +getInstance():XmlConverter +<u>loadXmlFromString(xml:String)</u>:Document -value:Object +getActiveMqMessage(xml:String):ActiveMQMessage ActiveMQConsumer -booleanValue:boolean -intValue:int -session:Session -doubleValue:double -connection:Connection -status:String -topicName:String DateConverter -itemName:String -<u>instance</u>:ActiveMQConsumer -timeStamp:long $+ \underline{\mathsf{getActiveMqConsumer}} (topic Name: \underline{\mathsf{String}}, \underline{\mathsf{port:int}}) : A ctive \underline{\mathsf{MQConsumer}}$ -<u>instance</u>:DateConverter +getValue():Object +run():void +getInstance():DateConverter +setValue(value:Object):void -Mitgliedsname +getDateFromString(dateString:String):Date +getItemName():String +isBooleanValue():boolean +toString():String JsonConverter KafkaConsumer -<u>instance</u>:JsonConverter -<u>instance</u>:KafkaConsumer -mapper:ObjectMapper -topicName:String -consumerConfig:ConsumerConfig +getInstance():JsonConverter +getKafkaMessage(jsonString:String):KafkaMessage -putProperties(properties:Properties, address:String):void FiniteMachine +getDirectoryMessage(jsonString:String):DirectoryMessage +getKafkaConsumer(address:String, topic:String):KafkaConsumer +toJsonString(message:Message):String +run():void -State:enum -Trigger:enum -orderNumber:String -stateMachine:StateMachine<State, Trigger> -<u>allFiniteMachines</u>:Vector<FiniteMachine> +<u>createFiniteMachine(orderNumber:String_)</u>:void AppConsumer +<u>receiveMessage(kafkaMessage:KafkaMessage)</u>:void Constants +toString():String -<u>current_order_number</u>:String +<u>TESTING</u>:boolean=true -triggerEvent(kafkaMessage:KafkaMessage):void +main(args[]:String):void +WINDOWS_MASCHINE:boolean -configStateMachine():void +getCurrent_order_number():String -remove From All Vector (finite Machine: Finite Machine): void+KAFKA_PRODUCER_PORT:int +<u>setCurrent_order_number(curOrderNumber:String)</u>:void +PRODUCER_CONNECT_ZOOKEEPER:String="zk.connect" +PRODUCER_SERIALIZER:String="serializer.class" +PRODUCER_BROKER_LIST:String="metadata.broker.list" +PRODUCER_KAFKA_TOPIC:String="messageData" +KAFKA_TOPIC:String="prodData" <<Enumeration>> <<Enumeration>> +BOOTSTRAP_SERVERS:String="bootstrap.servers" State Trigger +CONNECT_ZOOKEEPER:String="zookeeper.connect" +GROUP_ID:String="group.id" L1_CLOSED L1_ENTRY +CLIENT_ID:String="client.id" L1_EXIT L1_OPEN +KEY_DESERIALIZE:String="key.deserializer" L2_ENTRY L2_CLOSED +VALUE_DESERIALIZE:String="value.deserializer" L2_EXIT L2_OPEN +PARTITION:String="partition.assignment.strategy" L3_ENTRY L3_CLOSED +FILE_PATH:String L3_EXIT L3_OPEN +AMQP_PORT:int L4_ENTRY L4_CLOSED +AMQP_TOPIC:String="m_orders" L4_EXIT L4_OPEN +MONGO_DB_ADDRESS:String L5_ENTRY L5_CLOSED +MONGO_DB_PORT:int L5_EXIT L5_OPEN +MONGO_DB_DATABASE:String="meteor" MILLING MILLING_START +MONGO_DB_COLLECTION_AMQP:String="amqp_collection" DRILING MILLING_STOP +MONGO_DB_COLLECTION_DIR:String="dir_collection" DRILLING_START MILLING_DONE +MONGO_DB_COLLECTION_KAFKA:String="kafka_collection" DRILLING_DONE DRILLING_STOP +getServer():String