Compte Rendu RMI

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Cas d'utilisation:



Diagramme de sequence:

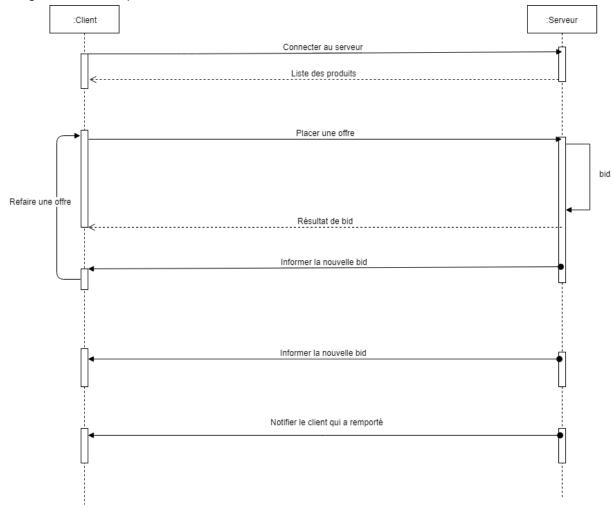
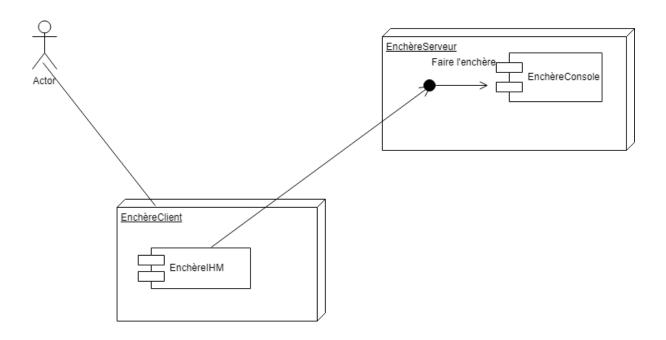


Diagramme de déploiement:



Code Serveur:

```
000
                                                                                         Serveur.java — sro
                                  t java.rmi.registry.*;
t java.rmi.server.UnicastRemoteObject;
t java.util.*;
  ▼ 📄 src
     /* BidderImpl.java
                         /* Client.java
     /* Notification.jav
     /* NotificationIm
  /* ProductImpl.jav
                                                 registry.rebind("IphoneXCallback", stubIphone);
                                            if(|Arrays.asList(registry.list()).contains("Pixel2Callback")) {
    registry.bind("Pixel2Callback", stubPixel2);
                                                 registry.rebind("Pixel2Callback", stubPixel2);
                                            System.out.println("Service IphoneXCallback et Pixel2Callback lient au registre.");
                                            ArrayList<Notification> notificationList = new ArrayList<>();
                                           String[] callbackNameList = registry.list();
int nbCallback = callbackNameList.length;
for (int i = 0; i < callbackNameList.length; i++) {
   if (callbackNameList[i].startsWith("NotificationCallback")) {
      notificationList.add((Notification)registry.lookup(callbackNameList[i]));
}</pre>
                                            for (Notification n : notificationList) {
    n.setProductList(productList);
    n.productList();
                                           ArrayList<Integer> oldPrices = new ArrayList<>();
Line 17, Column 32
```

Code Client:

```
Client.java
             import java.rmi.registry.*;
import java.rmi.server.UnicastRemoteObject;
import java.util.*;
Notification stude in items (if (args.length == 3) {
    machine = args[0];
    port = Integer.parseInt(args[1]);
                                 }
else if(args.length == 2) {
   machine = args[0];
                             machine = args[0];
}
try {
    Registry registry = LocateRegistry.getRegistry(port);
    stubBidder = (Bidder)UnicastRemoteObject.exportObject(bidder, 0);
    stubNotification = (Notification)UnicastRemoteObject.exportObject(notification, 0);
    String notificationCallbackName = "NotificationCallback";
    int nbNotif = 1;
    while (true) {
        String temp = notificationCallbackName + nbNotif;
        if(!Arrays.asList(registry.list()).contains(temp)) {
            registry.bind(temp, stubNotification);
            break;
        }
}
                                                    }
else {
   nbNotif++;

                                                      System.out.println(temp);
                                            }
System.out.println("Service NotificationCallback lie au registre.");
                                           while (true) {
    System.out.println("Saisir le nom de produit et le prix d'enchère, SVP. Exit pour ne pas faire enchère.");
    sc = new Scanner(System.in);
    String bid = sc.nextLine();
    if (bid.equalsIgnoreCase("exit")) {
        UnicastRemoteObject.unexportObject(notification, true);
        hreak:
                                                     break;
}
String[] parts = bid.split(" ");
String productName = parts[0];
int bidPrice = Integer.parseInt(parts[1]);
ArrayListeProduct> products = notification.getProductList();
for (Product p : products) {
   if (p.getName().equalsIgnoreCase(productName)) {
      p.bid(bidPrice, stubNotification);
      break;
}
                                }
catch (Exception e) {
   System.out.println("Client exception: " + e);
}
```