RFID UDDI Service discovery

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Overview

● What is my project?
  - Develop web based UDDI Registry to discover RFID UDDI Service

● What are need to solve problems?
  - Private UDDI Registry
  - Web based user interface to manage UDDI Registry
  - WinRFID services for extension of registry
    - database service, remoting service, MSMQ service.
Introduction

• Basic Knowledge about project
  - What is UDDI?
    • The Universal Description, Discovery and Integration
    • UDDI specifications define a registry service for Web services and for other services.
    • A UDDI registry service is a Web service that manages information about service providers, service implementations, and service metadata.
    • Service providers can use UDDI to advertise the services they offer.
    • Service consumers can use UDDI to discover services.
Project summary

- **Development Circumstance**
  - OS : Windows XP
  - Language : Java with UDDI4J library
    - UDDI4J is a Java class library released by IBM. UDDI4J provides an API to interact with a UDDI registry.
  - Web Server : Resin 2.1.1.12
  - Tool : Eclipse, Namo web editor FX
Project summary

- **What I have done**
  - Create a UDDI v2 server which manage all web services or business
  - Create web based user interface for finding and publishing
    - Based on IBM UDDI Registry
  - Security

- **Problems**
  - Access to UDDI Registry is too slow.
  - Connection is not so stable.

- **What is left to complete project**
  - Connect to private UDDI Registry
    - I tried to use private UDDI Registry for over 1 week.
    - At the end I succeeded to install, but failed to connect this application to private UDDI.
    - But if connect to private UDDI Registry succeed, current problems doesn’t be matter.
  - Add Administration interface
  - Add features for RFID
Demonstration

- IBM UDDI Test Registry
  - Actually this web application has to work with private UDDI, but connection is failed.
  - So in this demonstration, I use IBM UDDI Test Registry.

- Find
  - Business
  - Service
  - Technical Model

- Publish
  - Login
  - Business
  - Service
  - Technical Model