Profile-Direct Teller

Real-time Core Banking on Eclipse RCP

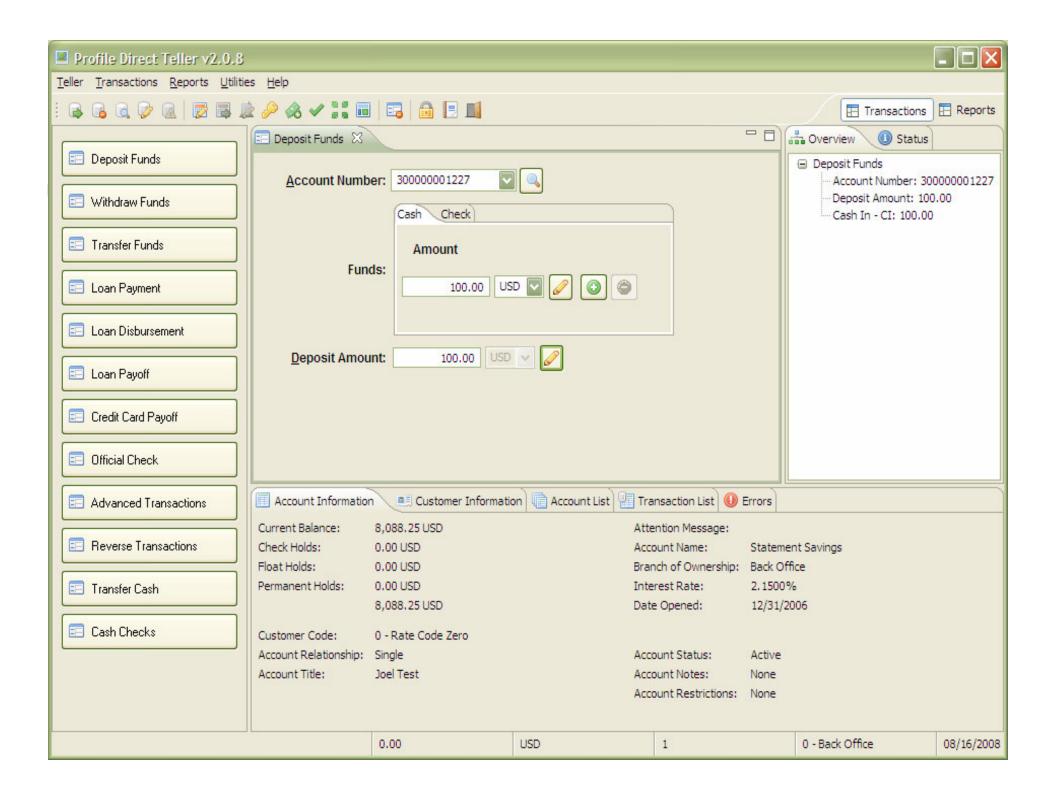
Jason Ladd – Fidelity National Information Services

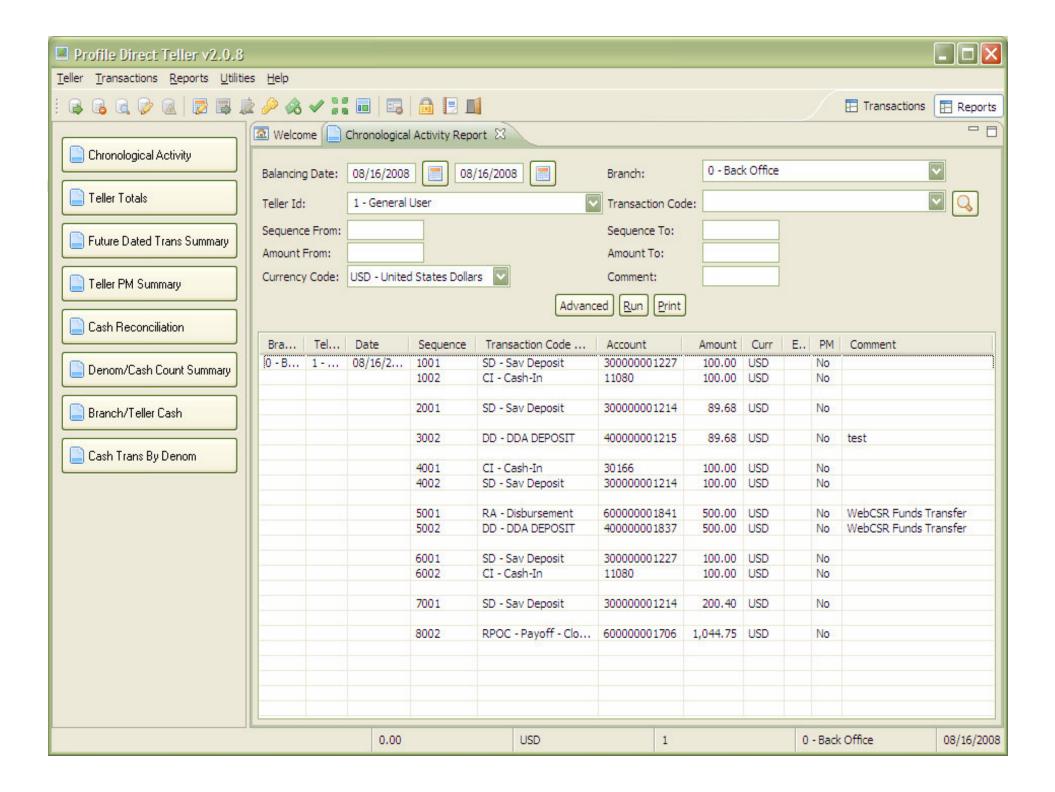
Requirements

- Rapid Application Development
 - Leverage an Application Framework
- Client Customization
- Ease of Deployment
- Desktop Performance
- Device Integration
- Offline Support

Eclipse RCP Benefits

- OSGi Bundles/Plug-ins
- Application Framework
 - Workbench, Perspective, Actions, etc.
- SWT Performance
- Product Branding
- WebStart Deployment



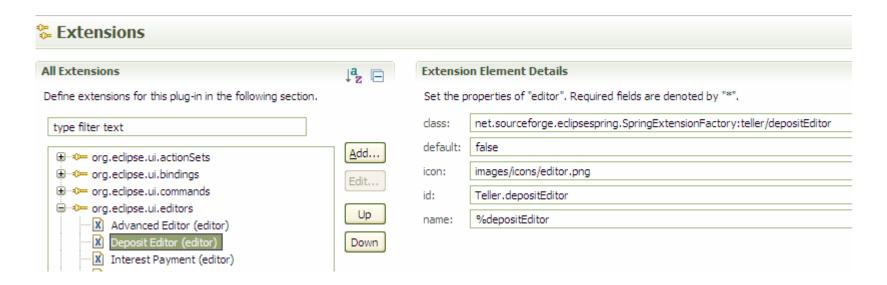


Plug-in Design

- com.fnis.pd.teller
 - Product configuration and customization
 - com.fnis.client_name.teller
- com.fnis.pd.teller.base
 - RCP and core teller application code
- com.fnis.pd.core
 - Data access beans and managers
- com.fnis.jdbc
- com.epson.pos
 - Epson device code

Extension Points

- RCP Extension Points
- Eclipse-Spring Plug-in



Spring Bean Management

```
2<beans>
3
     <bean id="hostConnectionChoiceDialog" class="com.fnis.pd.teller.view.HostConnectionChoiceDialog">
         <constructor-arg><value>host-selection.properties</value></constructor-arg>
6
     </bean>
     <bean id="connectionString" class="org.springframework.beans.factory.config.MethodInvokingFactoryBean">
9
         10
         cproperty name="targetMethod"><value>prompt</value>
11
     </bean>
12
13
     kbean id="navigationView" class="com.fnis.pd.teller.view.NavigationView"
14
         property name="navigationActionFactories">
15
             st>
16
                <ref bean="depositAction"/>
                <ref bean="withdrawalAction"/>
17
                <ref bean="transferAction"/>
18
19
                <ref bean="loanPaymentAction"/>
20
                <ref bean="loanDisbursementAction"/>
21
                <ref bean="loanPayoffAction"/>
                <ref bean="creditCardPayoffAction"/>
                <ref bean="officialCheckAction"/>
23
                <ref bean="advancedEditorAction"/>
24
25
                <ref bean="reversalEditorAction"/>
                <ref bean="transferCashAction"/>
26
27
                <ref bean="cashChecksAction"/>
28
            </list>
         </property>
29
30
     </bean>
31
32</beans>
```

Challenges

- Plug-in Configuration Learning Curve
 - Require-Bundle: visibility
 - Eclipse-BuddyPolicy:
 - Eclipse-RegisterBuddy:
- WebStart and OSGi
- SWT
 - Custom Widgets

TUPperware

- Teller Unification Project (TUP)
- Merging Functionality and Application Frameworks onto Eclipse RCP
 - AWT SWT Integration
- Moving to Spring Dynamic Modules
 - Spring and OSGi integration
- 3.3 to 3.4
 - Forms API
 - Databinding
- Integration with a Service-Oriented Architecture

Questions?

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