

WebSphere Multichannel Bank Transformation Toolkit

Tips for development



This presentation will show you some WebSphere® Bank Transformation Toolkit tips for developer.

Tips 1: Runtime

- Context
 - Recommended API
 - setValueAt () and getValueAt()
 - Risky APIs
 - Discourage element APIs such get/setElement for future maintenance
 - Avoid iterative functions in server environment, such as getContextNamed() and getKeyedCollection() for
 - Using typed data in context
 - Do not define all element as generic type(field)
 - Use JavaBeans Context to integrate existing data type
 - Or use typed data such as <data id="xxx" refType="String, Decimal, etc">
 - Context will auto handle the "string<->strong type" conversion

It is general sense to use the component as black box feature instead of modify the internal data.

The internal access API is for legacy code support only and need to be removed at a future release

The iterative API obviously will cause performance issue under high pressure environment

Iterative Context Element violates security control

Tips 2: Runtime

- Operation / Processor
 - Recommendation
 - Define your operation/processor in stand-alone XML file
 - Using operDef/procDef id="xxx" file="xxx.xml" in btt.xml to define operation explicitly
 - Notice point:
 - Session persistence will persist processor state in HttpSession and decrease system performance a bit.

BTT Operation is for serial logic business steps.

BTT Processor is actual a state machine, it had two extensions.

Tips 3: Runtime

- What is the relationship between WMBTT session and HTTP session?
 - WMBTT session management is based on HTTP session. WMBTT uses session context to maintain the session status. The session context is stored in the HTTP session and removed when the user logs off or the HTTP session is time-out.

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Tips 4: Runtime

- How many screen flows are there in WMBTT, and what kind of scenarios are they suitable for?
 - BTT has two kinds of screen flows.
 - HTML screen flow: every state can be JSP or atomic transaction, and mainly used for web internet bank applications.
 - XUI screen flow: every state can be XUI or SWT windows or atomic transaction, mainly used for teller applications.

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