

# INTALIO Solution Option 2

Tempo

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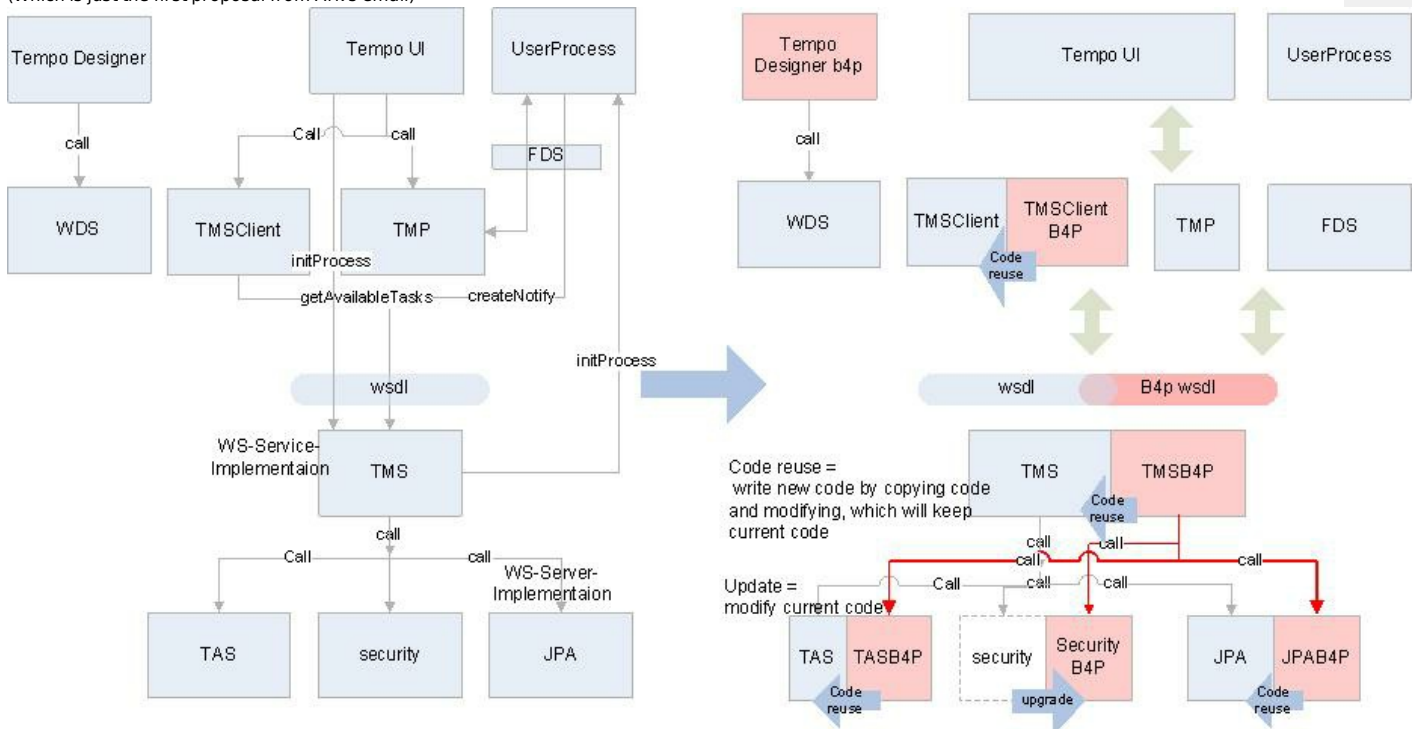
Added by Ark Xu, last edited by Ark Xu on Dec 08, 2008

## Implementation Solution - New Tempo for Human-Task

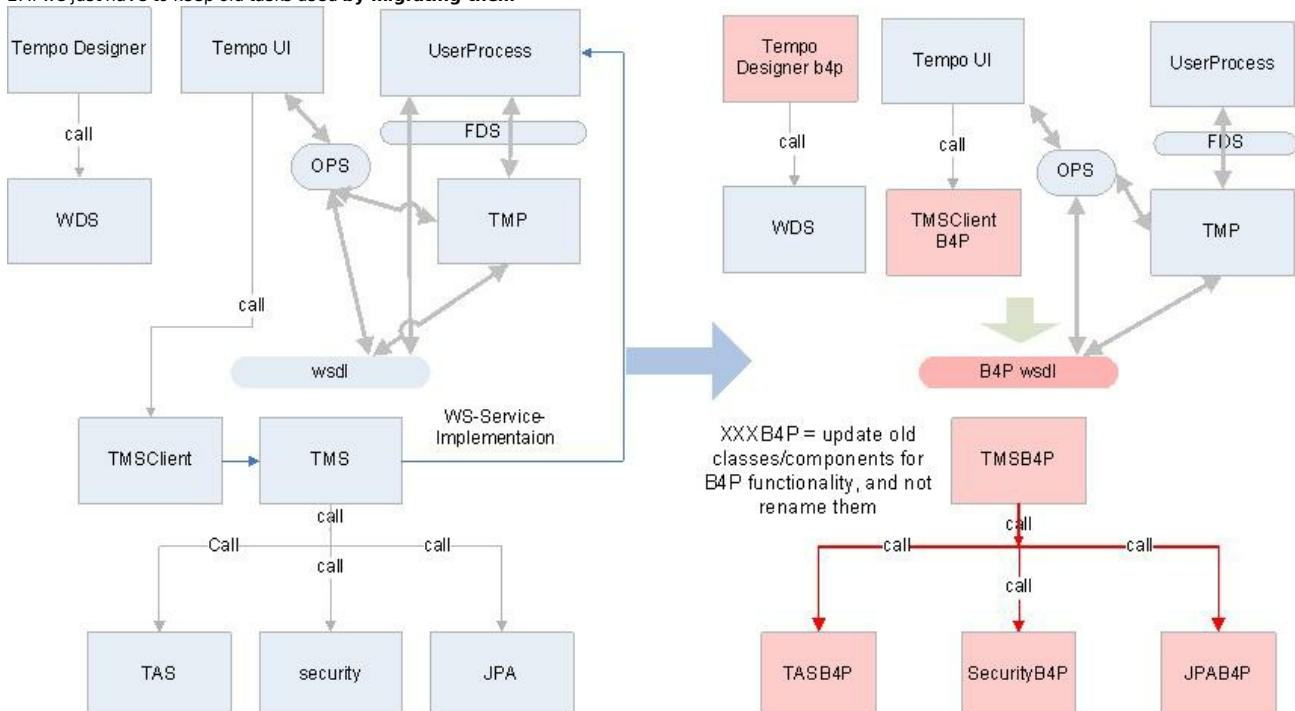
### Rough Design

#### Solution Overview

1. If we have to keep old tasks used **without migration**  
(Which is just the first proposal from Ark's email)



2. If we just have to keep old tasks used **by migrating them**



No matter how we name the red parts, no matter we keep old class and copy them then write new, or we just update old code, the tasks will include

- **B4P wsdI** includes
  - TMSB4P.wsdI to create webservice interface (totally different with current)
  - serviceB4P.xml to create webservice in Axis (totally different with current)

- **TMSB4P** mainly includes
  - new TMSRequestProcessor for web service implementation ( can partially use current code, see [Compare Tempo with B4P compliant Task Engine](#) to know detail )
  - new ITMServer for task management real process ( totally different with current, although some method's name looks similar, but parameter is different )
  - new TMSServer for task management process interface( can partially use current code, see [Compare Tempo with B4P compliant Task Engine](#) to know detail)
  - new Marsheller/UnMarsheller ( totally different with current )
- **TMP** basically has no change before [open issue](#) 6 and 7 confirmed.
- **TMSClientB4P** mainly includes
  - new RemoteTMSClient for invoking TMS ( can partially use current code, see [Compare Tempo with B4P compliant Task Engine](#) to know detail )
- **JPAB4P** mainly includes
  - new db schema for B4P task properties, states, priorities, attachments info.( mostly different with current, although some method's name looks similar )
  - new Entity classes,such as TaskB4P...( mostly different with current)
- **xform manager b4p** mainly includes
  - Since UI calls most TMS operation by xpl/xform, so xpl parts will change a lot to allow user do B4P HT operation on taskss.
- **SecurityB4P**
  - Authentication is reused.
  - People assignment on generic human role is defined in User Process when design time.
  - According to b4p spec, the underlying people assignment will be retrieved from HT request or coordinate protocol. But since the coordinating protocol won't be implemented in this phase, so people assignment will deployed into Tempo.
  - The logic group will be directly map to actual group in LDAP or DB.
- **TASB4P** mainly includes
 

TAS will basically has no change. Some properties for Attachment will be changed.
- **UI** mainly includes
 

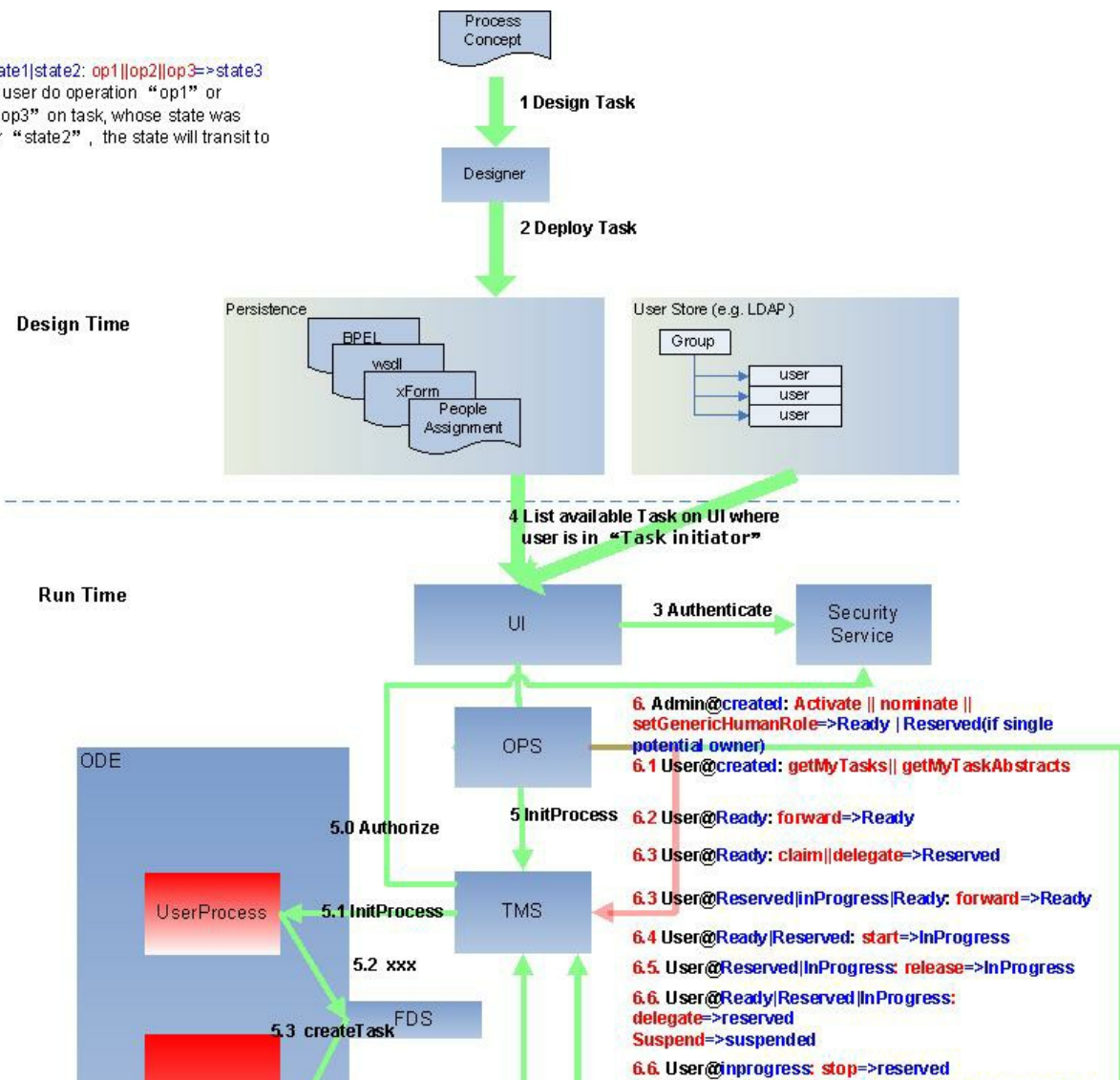
UI will basically has no change., because thanks Tempo, UI just implements representation layer, most logical stuff is responsible by xform/xpl.
- **Tempo Designer b4p** mainly includes ( not included in this project )
  - More operation provided for user
  - xform model/schema should be changed to alignn with B4PHT operation
  - other tbd
- **WDS**
  - change to store people assignment
- **FDS**
  - FDS translates msg between TMP, TMS, and user process, it basically has no big change.

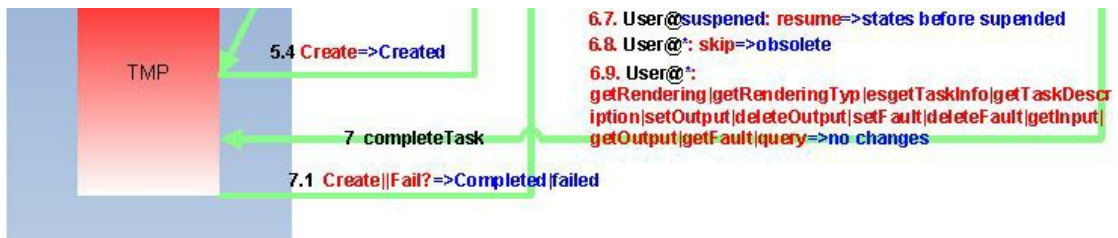
## Generic Task Flow

Legend:

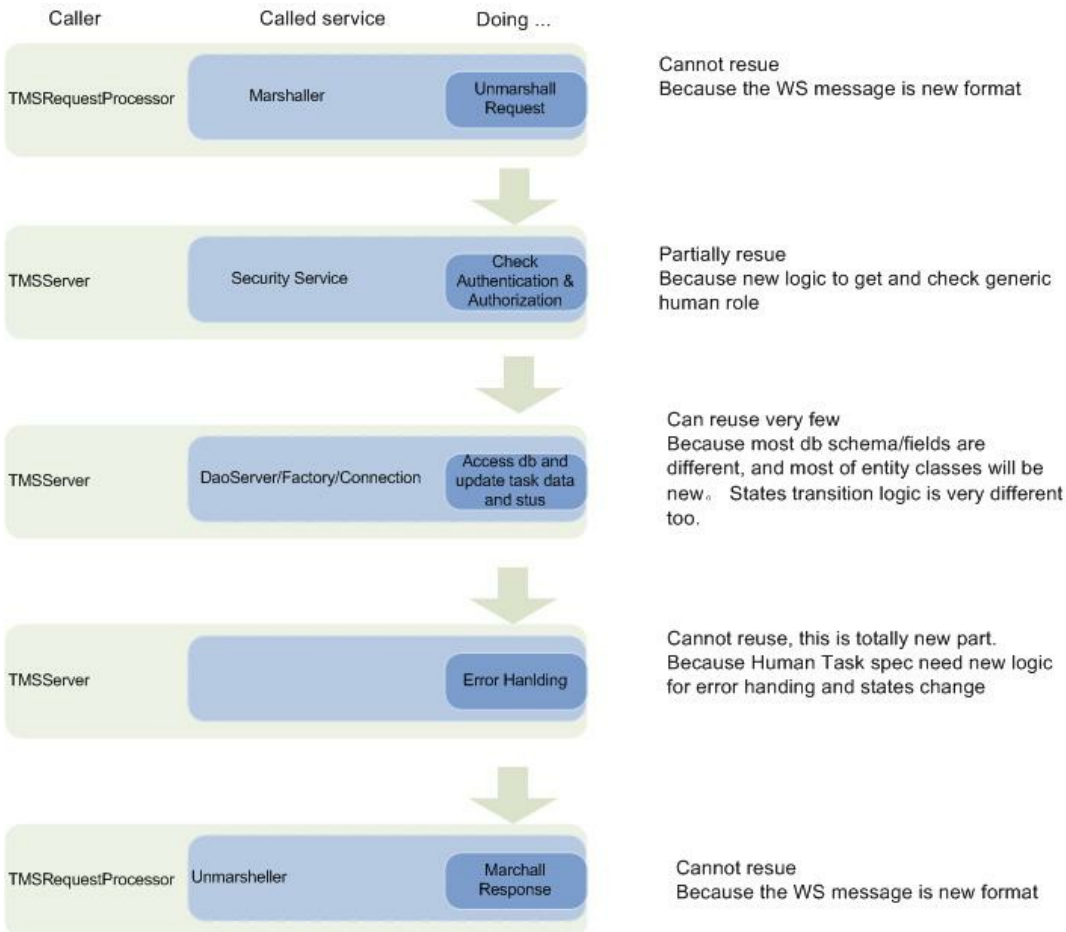
6.3 User@state1|state2: op1||op2||op3=>state3

Means: After user do operation "op1" or "op2" or "op3" on task, whose state was "state1" or "state2", the state will transit to "state3"





## Generic flow of Operation



## <Other Issues>

## Detailed Design

**TMS** ( TMSRequestProcessor / TMSServer / marshaller/unmarshaller )

**TMP** basically has no change.

**Persistence** (Dao/JPA)

**UI**/portlet/alfresco/formManager/CAS

**Security Service** ( User Management/Assignment )

**Task Attachment Service** ( May include comments service )

**Deployment Service**

**Open Issue**

## Compatibility

## Project Plan and Time Schedule

**Children** [Hide Children](#) | [View in hierarchy](#)

[UI](#) (Tempo)  
[Detailed Design - Deployment Service](#) (Tempo)  
[Persistence](#) (Tempo)  
[TMS](#) (Tempo)  
[Task Attachment Service](#) (Tempo)  
[Solution 2 Open Issue](#) (Tempo)  
[Security Service](#) (Tempo)

[Security Service](#) (Tempo)  
[plan](#) (Tempo)

## Comments

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