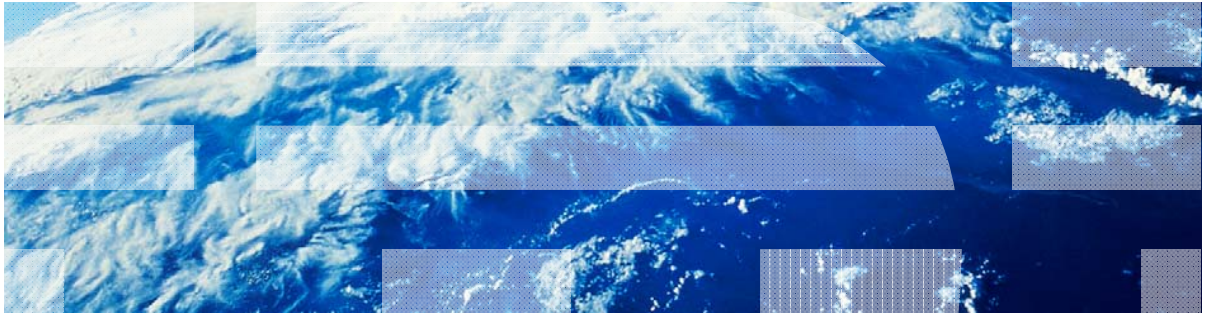


IBM Worklight V6.0.0 Getting Started

Supporting multiple form factors using Worklight skins



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Agenda

- What are skins?
- How do skins work?
- Exercise

Skins

- Skins provide support for multiple form factors in a single executable file for devices of the same OS family.
- Skins are a sub-variant of an environment.
- Skins are packaged together in one app.
- The decision on which skin to use is made automatically at run-time.

Skin use cases

Different
Screen
Sizes



Different
Screen
Densities



Different
Input
Methods

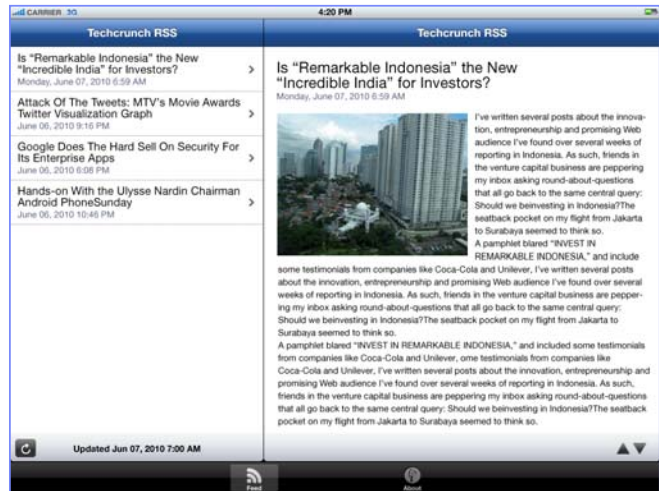
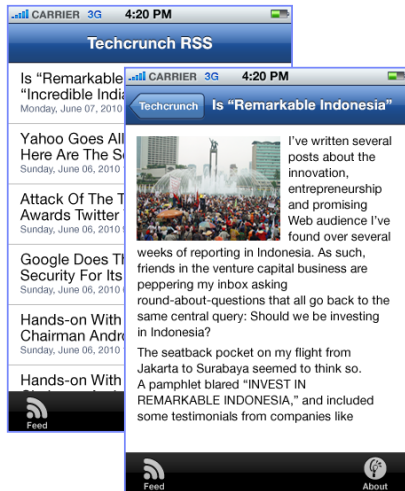


Support
for
HTML5



Example: Substantially different screen sizes

- (iPhone versus iPad)

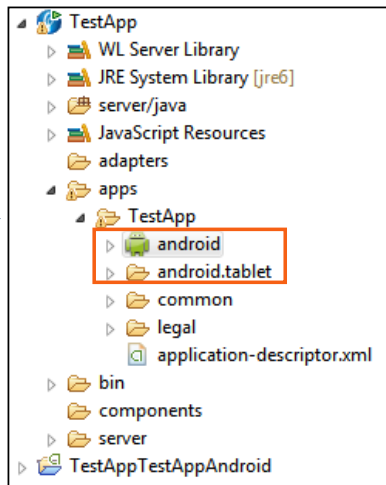
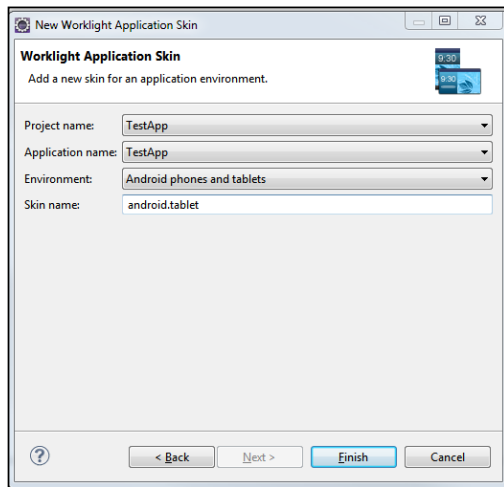


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Skin creation

- Skins are created by using the Worklight® Skin wizard.
- The skins are placed in directories that are adjacent to the corresponding environment directory.

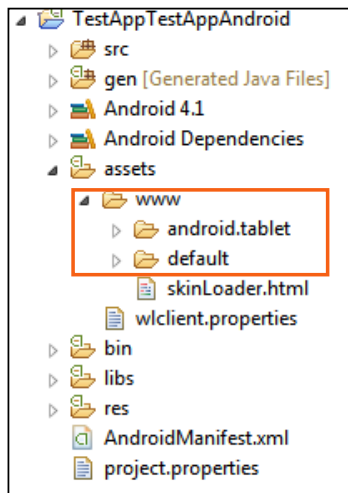
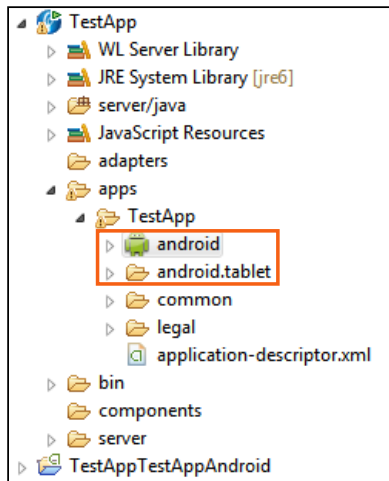


Skin creation

- A skin folder contains the following folders: images, css and JavaScript.
- Create new .css and .js files in the corresponding folders.
- Filenames:
 - To extend existing code and styling from the default skin, use the same filenames as those of the default skin.
 - To create new code and styling, use different filenames than those in of the default skin. When choosing this option you will need to copy the HTML file to the skin folder as well, and change the reference to the .js and .css files.

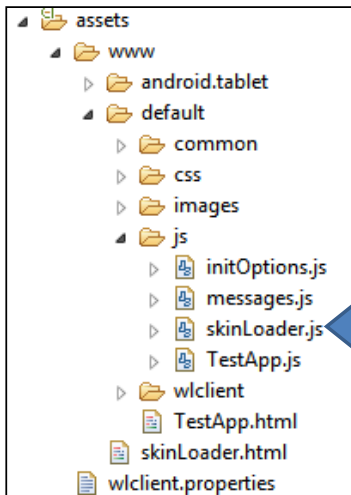
Skin packaging

- All skins for a specific environment are packaged within the app.



Applying skins at run time

- A special, developer-controlled JavaScript™ file is run at app startup.
- It determines which skin to load.
- The default skinLoader.js contains samples.



```
function getSkinName() {  
    var skinName = "default";  
    if (getVersion () == "2.2" ||  
        getVersion () == "2.1") {  
        skinName = "android.HTML5";  
    }  
    return skinName;  
}
```

Skin Registration

- Skins are automatically registered in the application descriptor.
- Registration determines the ordering of hierarchy between the common folder, environment, and skin.
- Modify the application descriptor manually when a skin is deleted.

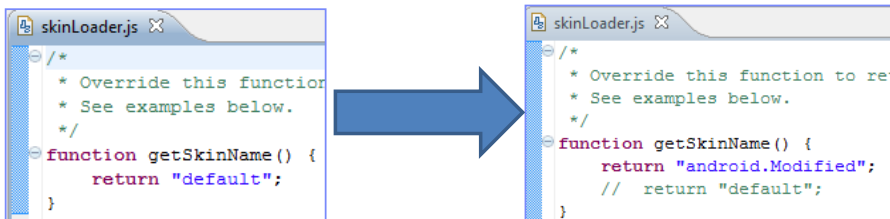
```
<android>
  <skins>
    <skin name="default">
      <folder name="common"/>
      <folder name="android"/>
    </skin>
    <skin name="android.phone">
      <folder name="common"/>
      <folder name="android"/>
      <folder name="android.phone"/>
    </skin>
    <skin name="android.tablet">
      <folder name="common"/>
      <folder name="android"/>
      <folder name="android.tablet"/>
    </skin>
  </skins>
</android>
```

Agenda

- What are skins?
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Exercise

- Create an Android app with two skins: Default and Modified.
- The default skin displays the text “Hello World”.
- The modified skin changes the color of the text.
- Toggle skinLoader.js code to change between skins.



- The sample for this training module can be found in the Getting Started page of the IBM Worklight documentation website at <http://www.ibm.com/mobile-docs>

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