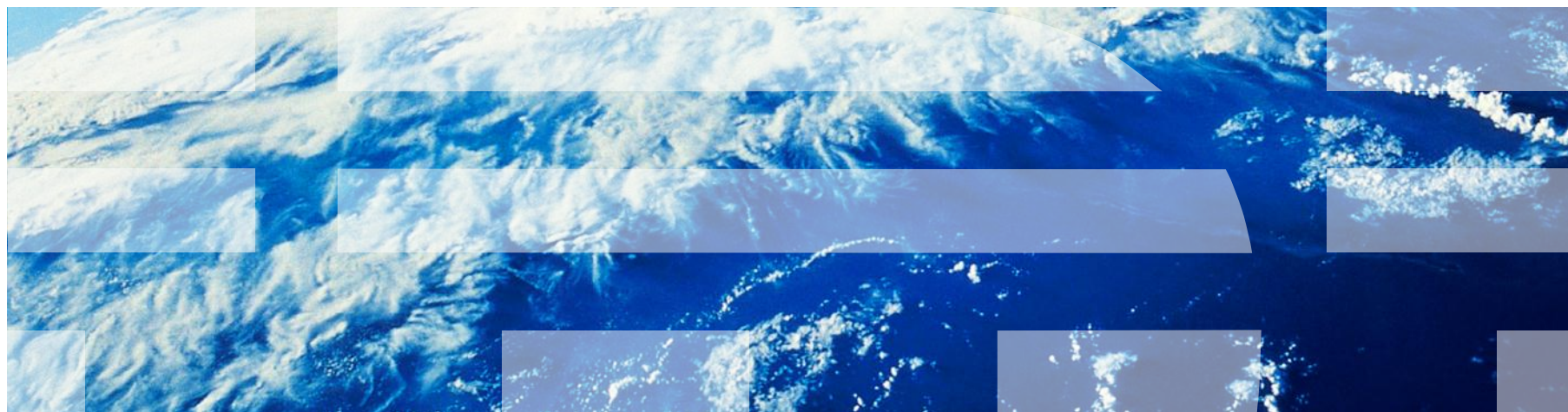


IBM Worklight Foundation V6.2.0 Getting Started

Integrating IBM Tivoli Directory Server on IBM PureApplication System



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Agenda

- **Introduction**
- Configure Tivoli Directory Server in Worklight Studio
- Configure Tivoli Directory Server in the PureApplication System console

Overview

- IBM® Tivoli® Directory Server is an enterprise directory for corporate intranets and the Internet.
- In this module, you learn how to integrate Tivoli Directory Server with IBM Mobile Application Platform Pattern on IBM PureApplication™ System.
- Specifically, you learn:
 - How to configure Tivoli Directory Server in IBM Worklight® Studio, and deploy onto PureApplication System.
 - How to configure Tivoli Directory Server in the PureApplication System console.

Prerequisites

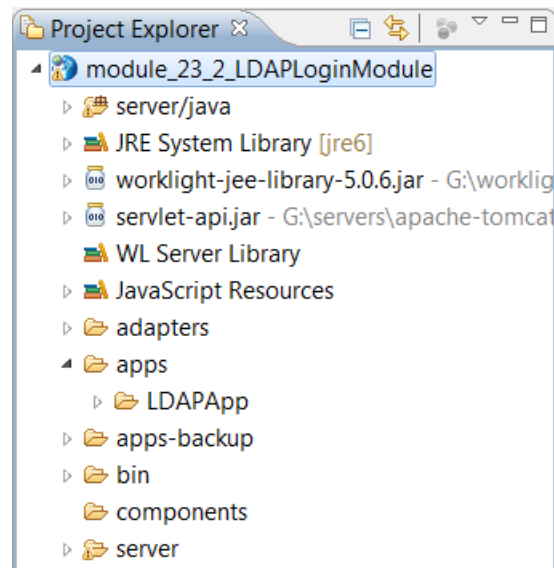
- Before you start, make sure that you have IBM Worklight® Foundation installed.
- To practice configuration in Worklight Studio, make sure that your application is tested in a local environment
 - In particular, if applicable, make sure that the LDAP login module is tested if it is set in the app.
- To practice configuration in the PureApplication System console, make sure that you have an IBM Mobile Application Platform Pattern on the PureApplication System server.
- This module uses the same sample as the module *Custom Authenticator and Login Module*, in the **Authentication and Security** category.
 - Optionally, download and import this sample to start with.

Agenda

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Prepare the IBM Worklight project

- Make sure that you have a Worklight project with an LDAP login module if you intend to connect the project to an existing Tivoli Directory Server.
- Test and make sure that this project works in a local environment.



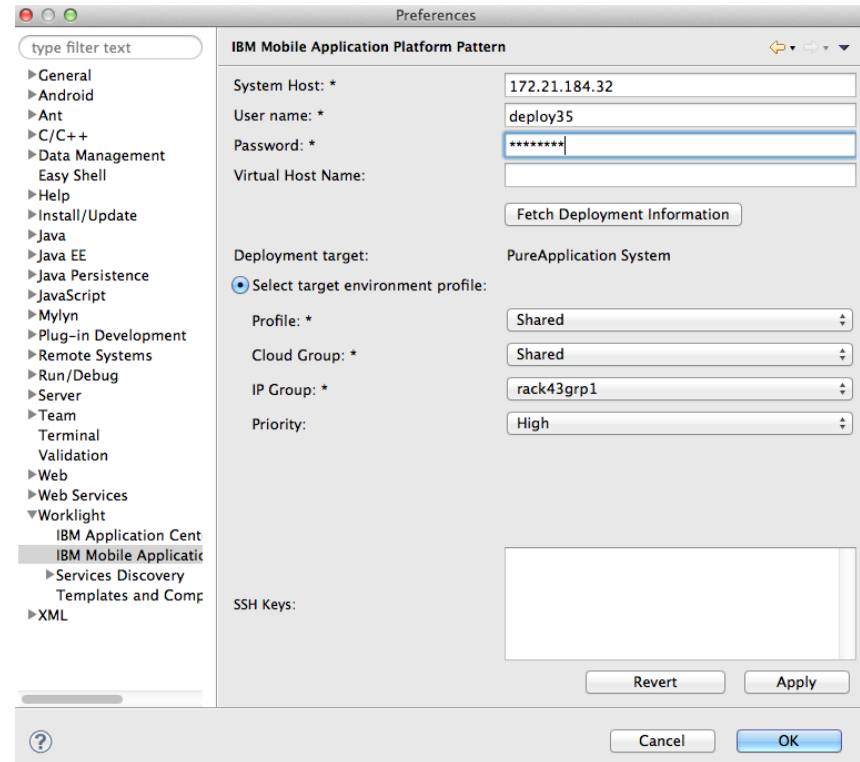
Update the authenticationConfig.xml file

- Open the authenticationConfig.xml file that is under server/conf.
- Copy the LDAP login module in this file, and change its name to LDAPLoginModuleIPAS.
- To integrate with an existing Tivoli Directory Server, make sure that the **ldapProviderUrl** parameter exists, and that its value refers to this Tivoli Directory Server.

```
<loginModule name="LDAPLoginModuleIPAS">  
  <className>com.worklight.core.auth.ext.LdapLoginModule</className>  
  <parameter name="ldapProviderUrl" value="ldap://9.148.227.10"/>  
  <parameter name="ldapTimeoutMs" value="2000"/>  
  <parameter name="ldapSecurityAuthentication" value="simple"/>  
  <parameter name="validationType" value="searchPattern"/>  
  <parameter name="ldapSecurityPrincipalPattern" value="{username}@wc">  
  <parameter name="ldapSearchFilterPattern" value="(&!(objectClass">  
  <parameter name="ldapSearchBase" value="dc=worklight,dc=lan"/>  
</loginModule>
```

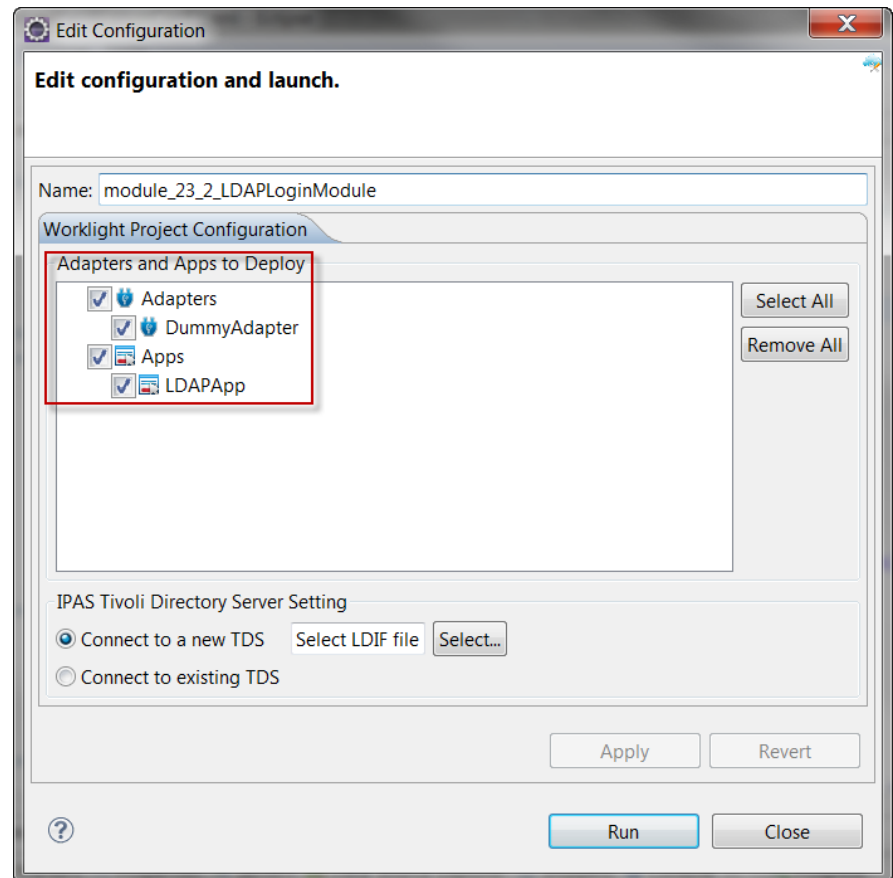
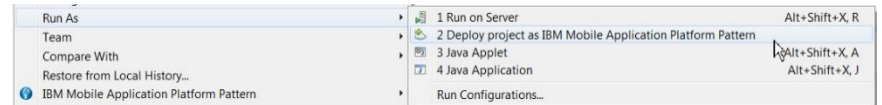

Set the PureApplication System preferences

1. Click **Window > Preference**.
2. Go to **Worklight > IBM Mobile Application Pattern**.
3. Enter the values of the following fields:
 - **System Host**
 - **User name**
 - **Password**
4. Click **Fetch Deployment Information**.
5. Select the target profile.
6. Click **Apply** to save the settings.



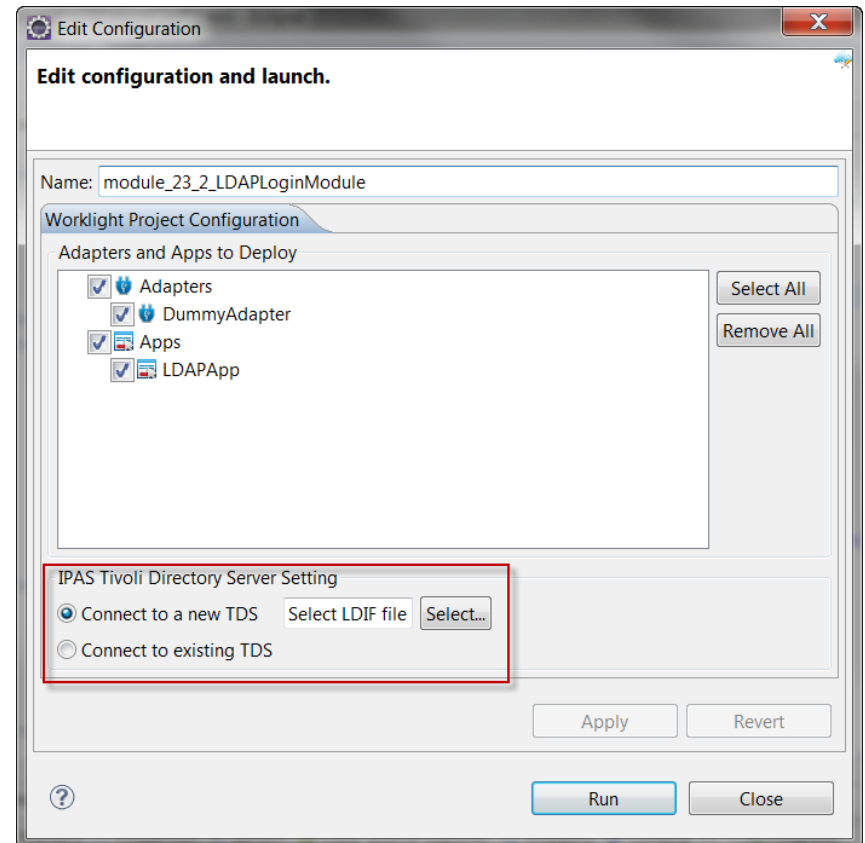
Deploy to PureApplication System (1 of 2)

1. Right-click the project, and select **Run As > Deploy project as IBM Mobile Application Platform Pattern**.
2. In the dialog, select the adapters and the applications to deploy.



Deploy to PureApplication System (2 of 2)

3. Select whether to connect to a new or an existing Tivoli Directory Server:
 - If you select **Connect to a new TDS**, you can specify an LDIF file or use the default one provided in Worklight Studio.
 - If you select **Connect to existing TDS**, the value of the **ldapProviderUrl** parameter in the `authenticationConfig.xml` file gives the Tivoli Directory Server address.
4. Click **Run**.
 - The project is deployed onto PureApplication System.

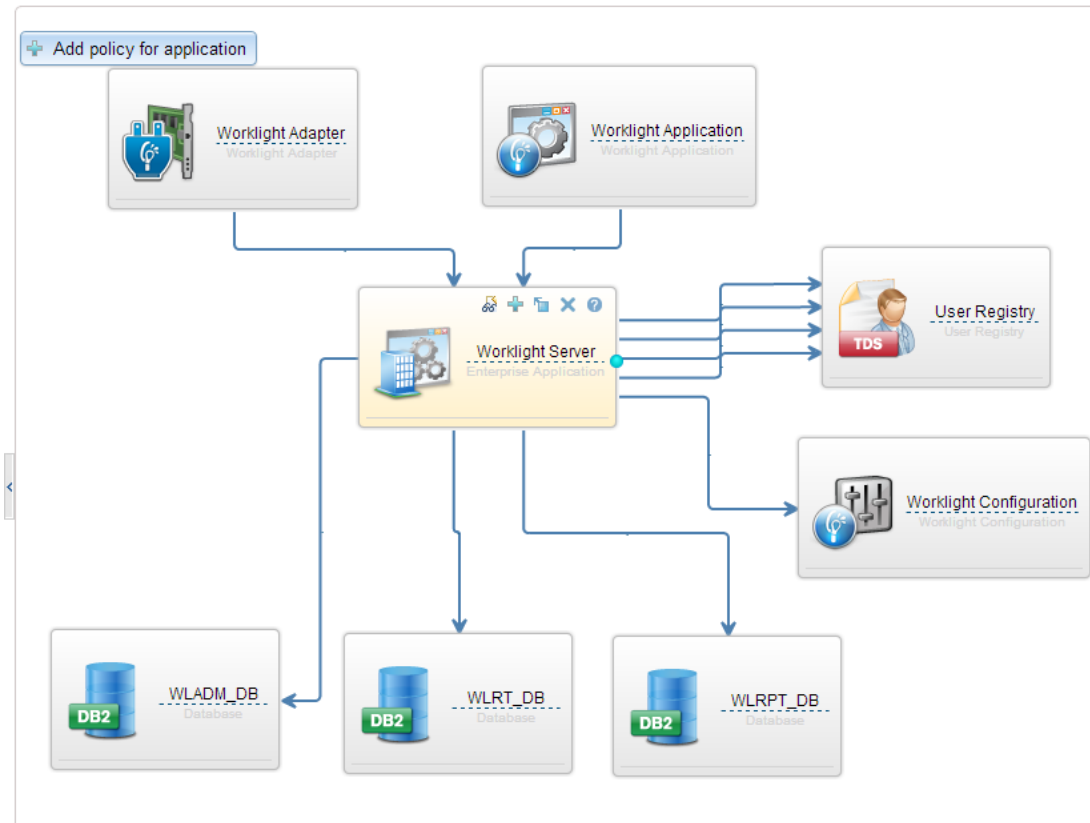


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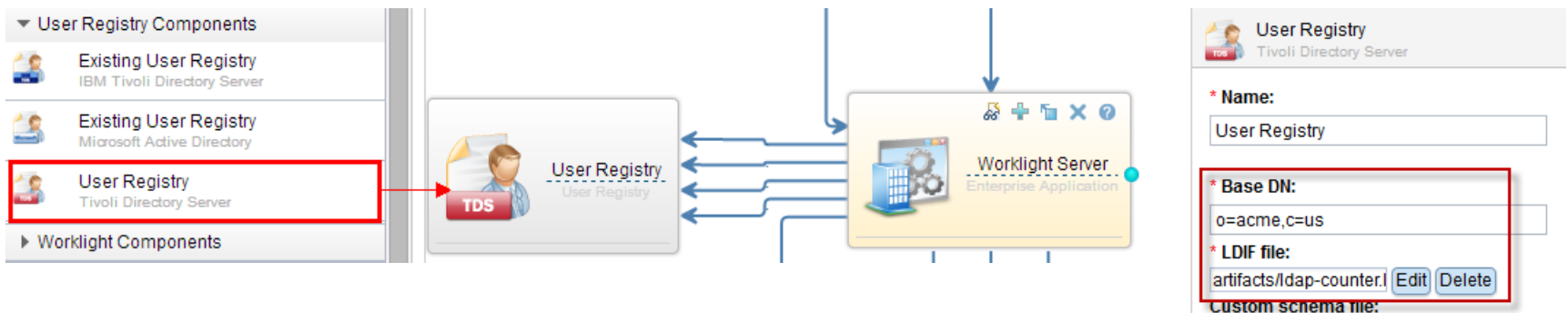
Pattern configuration

- Open the Worklight Virtual Application Pattern (VAP) on PureApplication System.
- The Worklight VAP looks as shown here:



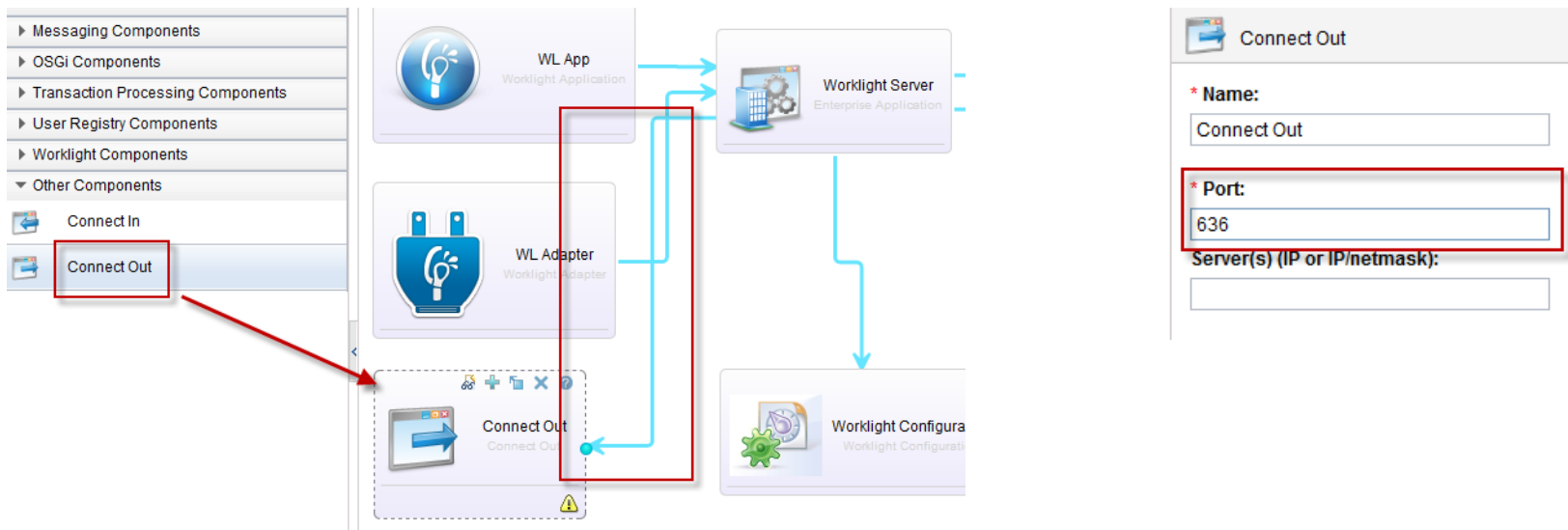
Configure a new Tivoli Directory Server

- To connect to a new Tivoli Directory Server:
 1. Drag a **User Registry** component (under the **User Registry Components** category).
 2. Connect the **Worklight Server** component to the **User Registry** component.
 3. Define the **Base DN** and **LDIF file** of the User Registry component.



Configure an existing Tivoli Directory Server

- To connect to an existing Tivoli Directory Server:
 1. Open a port on the PureApplication System firewall.
 2. Drag a **Connect Out** component.
 3. Connect the **Worklight Server** component to the **Connect Out** component.
 4. Define the **Port** of the Connect Out component.
 5. Optionally, define the **Server IP** or IP netmask.



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