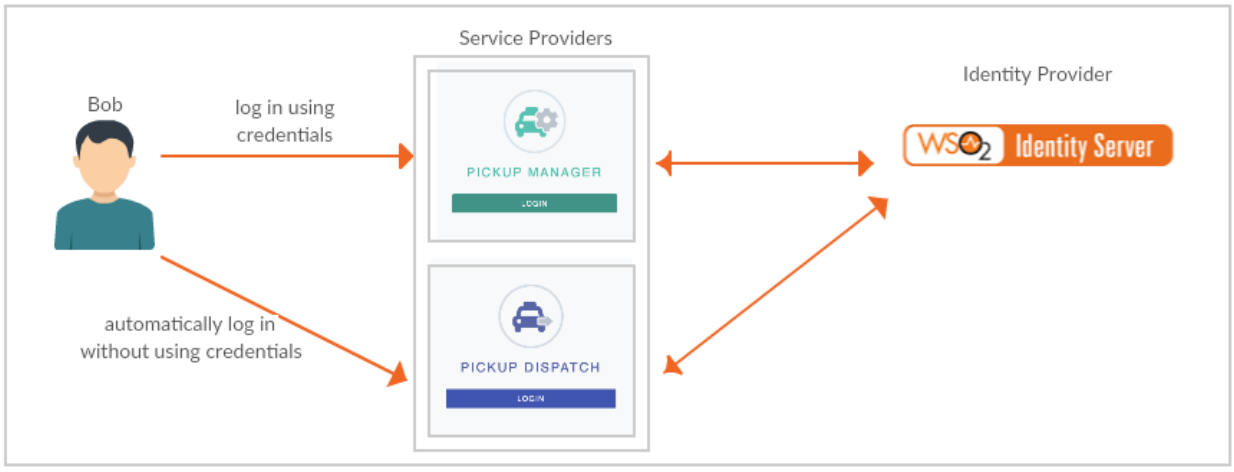
Single Sign On (SSO) - SAML

Introduction:

This tutorial will allow you to have hands-on experience on how to configure SSO with WSO2 Identity Server using SAML protocol.

To demonstrate the scenario in this tutorial, we are going to use two sample web applications called **pickup-dispatch** and **pickup-manager**. Both will be using **WSO2 IS** as the identity provider. When both these applications are configured for SSO at WSO2 IS, a user is only required to provide his credentials to a first application and he will be automatically logged in to the second application.

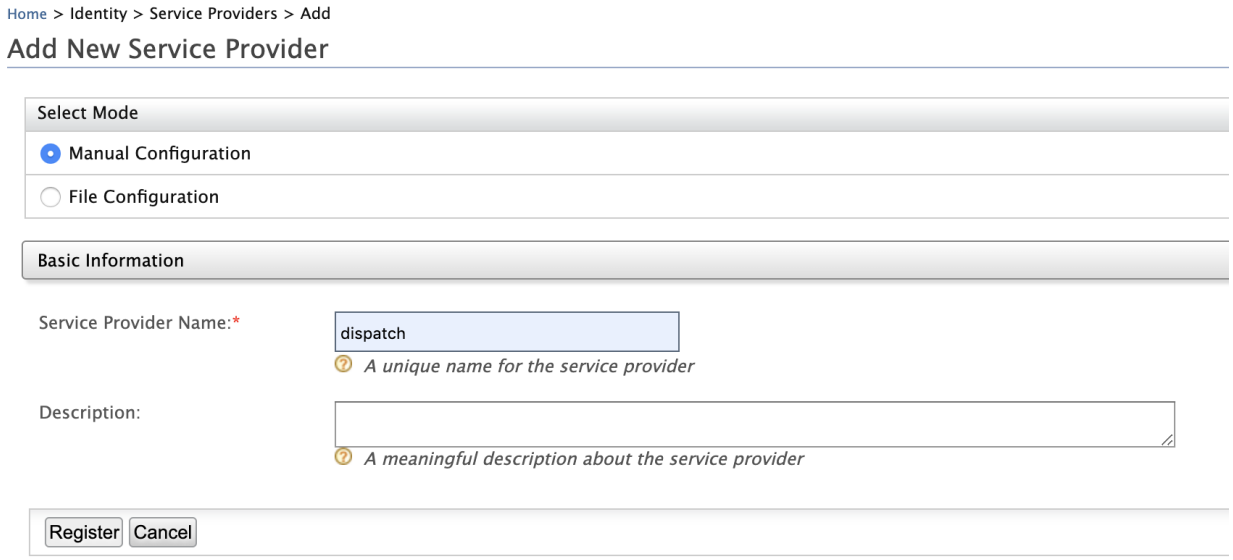


Setting up:

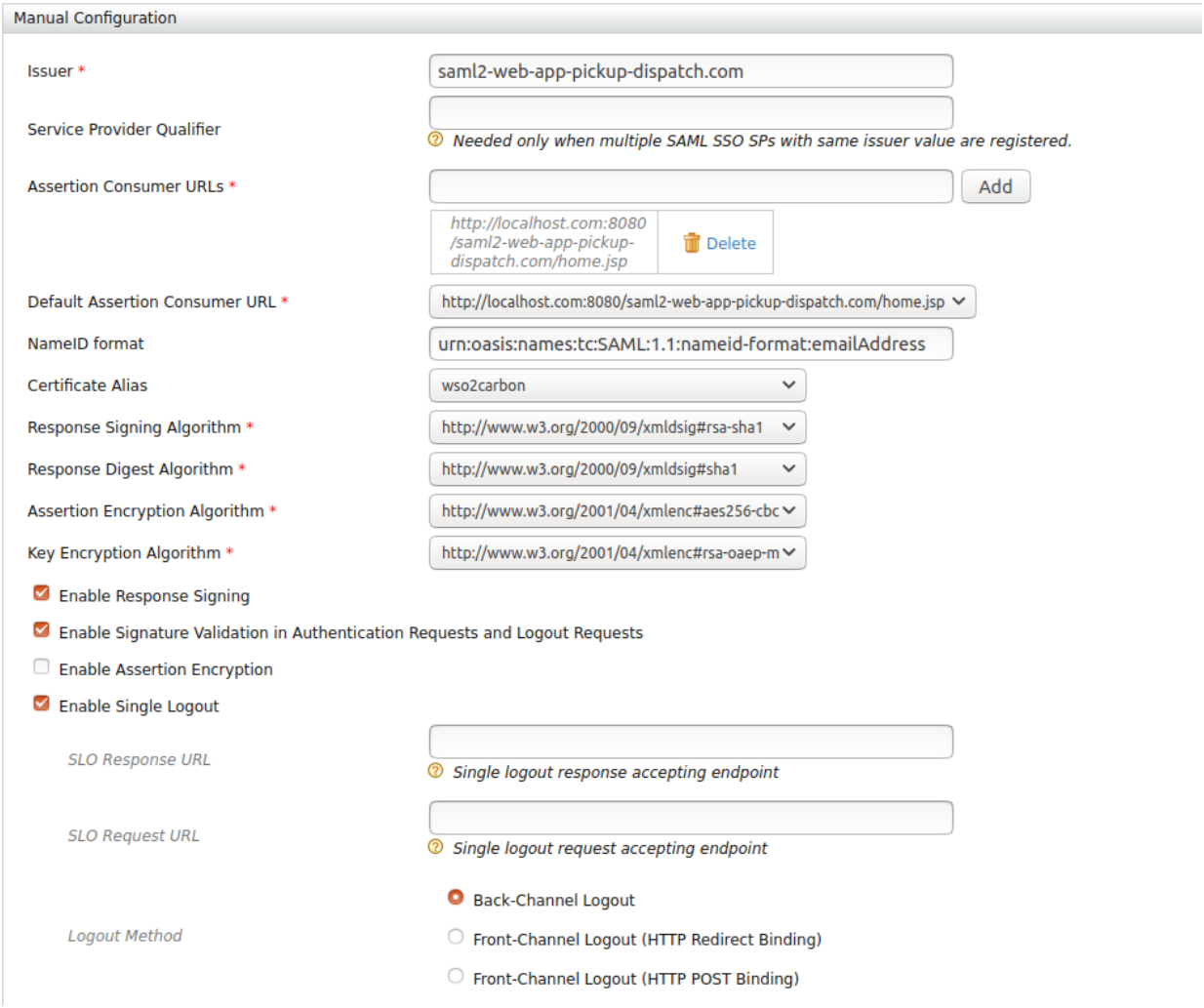
1. Download a tomcat server above tomcat8, run the server on port 8080
2. Download the saml2-web-app-pickup-dispatch.war and saml2-web-app-pickup-manager.war from here and deploy them in tomcat.

Configure web application pickup-dispatch and pickup-manager as Service Providers

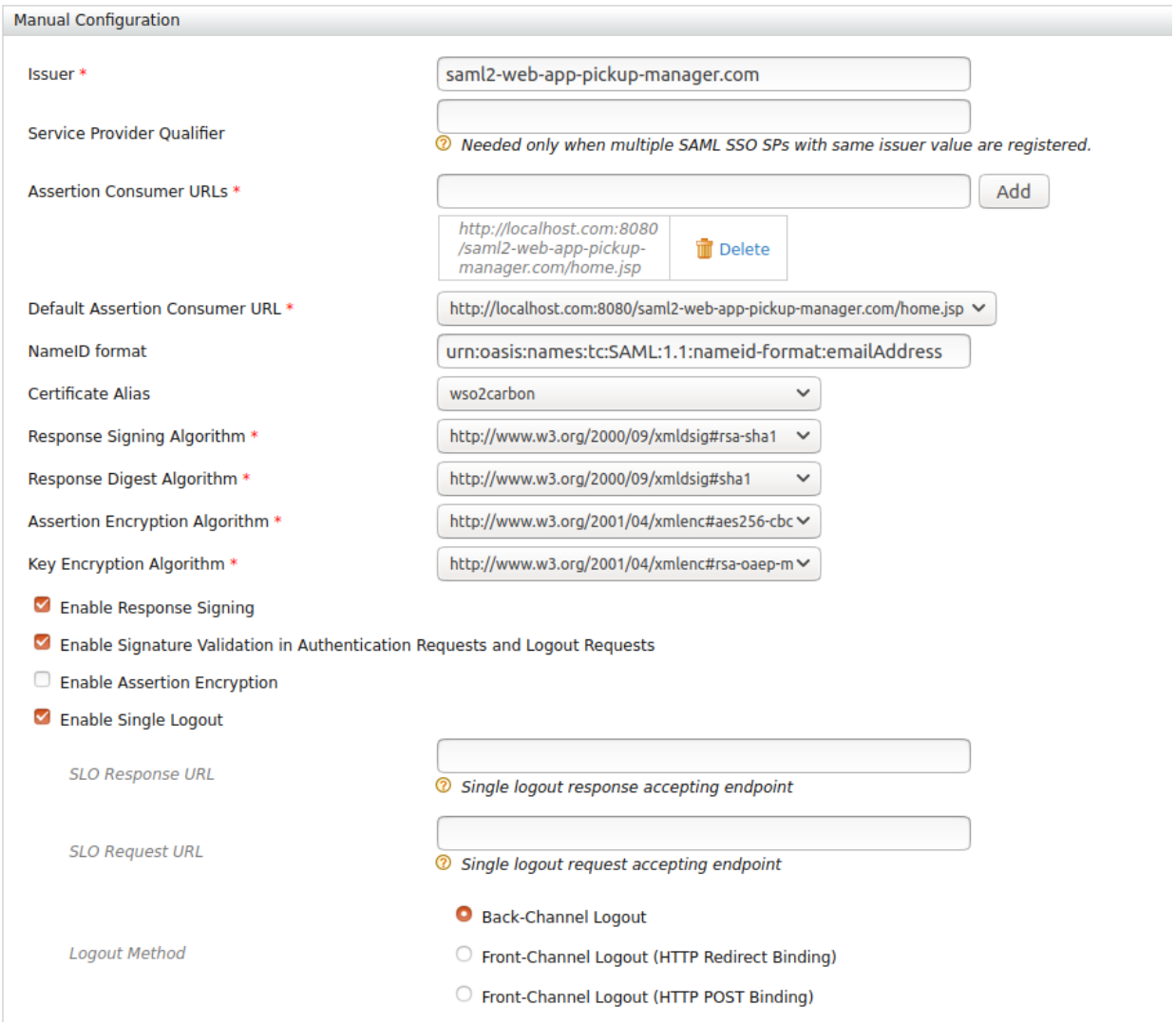
1. Sign in to the WSO2 Identity Server Management Console at https://<Server Host>:9443/carbon using your username and password (e.g. admin:admin).
2. Navigate to the **Service Provider** section under **Main > Identity** menu-item and Click **Add**.
3. Type the name “dispatch” and register the Service Provider.



4. Next, go to **SAML2 Web SSO Configuration** in the **Inbound Authentication Configuration**
5. Update the configuration as below by giving **issuer** as **saml2-web-app-pickup-dispatch.com** the **Assertion Consumer URL** as “http://localhost.com:8080/saml2-web-app-pickup-dispatch.com/home.jsp” and click add.
6. Enable **Response Signing** and **Signature validation in authentication and logout requests.**



7. Click on update to save service provider configurations.
8. Next, repeat the same steps 3,4 to create a new service provider for pickup-manager application. For this service provider, the name should be registered as “manager”, **issuer** should be **saml2-web-app-pickup-manager.com** and **Assertion Consumer URL** should be “http://localhost.com:8080/saml2-web-app-pickup-manager.com/home.jsp”
9. Enable **Response Signing** and **Signature validation in authentication and logout requests.**



10. Click update.
11. Now you are ready to try out the sample with SAML SSO.

Navigate to the deployment.toml file in the <IS_HOME>/repository/conf directory.Make sure the following CORS Configurations are in place.

```
[cors]
allow_generic_http_requests = true
allow_any_origin = true
allow_subdomains = true
supported_methods = [
"GET",
"POST",
"HEAD",
"OPTIONS"
]
support_any_header = true
supported_headers = []
exposed_headers = []
supports_credentials = true
max_age = 3600
tag_requests = false
```

Restart the WSO2 Identity Server.

Try It:

1. Go to http://localhost.com:8080/saml2-web-app-pickup-dispatch.com and click on the login button.
2. You will be redirected to the login page of the WSO2 Identity Server. Log in using your Identity Server credentials. You will be redirected to saml2-web-app-pickup-dispatch.com application home page.
3. Now if you go to http://localhost.com:8080/saml2-web-app-pickup-manager.com, you can see that the user has automatically logged in to this application.