

Fetching all the Portal Roles Assigned to the Current Logged in User, Using Web Dynpro for Java



Applies to:

The code in this article is written and tested on NWDS version 7.0. For more information, visit the [User Interface Technology homepage](#).

Summary

This article will help to fetch the list of the portal roles assigned to the logged in user using WebDynpro for Java. Many a times we need to get the assigned roles of the logged in user so that we can use the information to display or hide some details or activate or deactivate some controls, or to send some mails, etc. This article can be helpful in all such situations.

Author: Naresh Garg

Company: L&T Infotech

Created on: 20 Sep 2008

Author Bio



Naresh Garg is working as Net Weaver consultant in L&T Infotech Pvt. Ltd, India.

Table of Contents

| | |
|--|---|
| Create Project..... | 3 |
| Add Jar files | 3 |
| Create Application | 3 |
| Setting the Application Properties | 4 |
| Create Context Attributes | 4 |
| Create Layout | 4 |
| Implementation | 5 |
| Result..... | 6 |
| Related Content..... | 8 |

Create Project

Create a new Webdynpro project named “**FetchPortalRoles**”.

Project name:

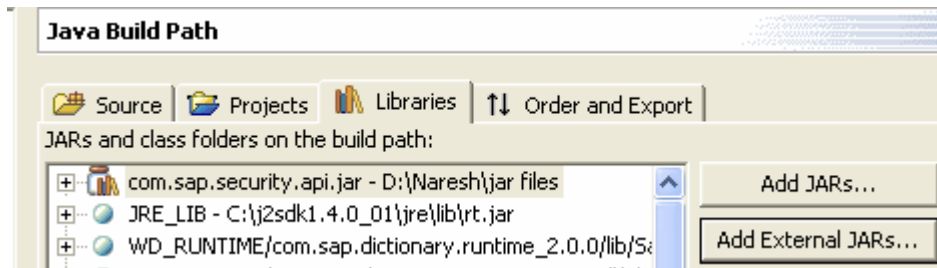
Project Location
 Use default

Directory:

Project language

Add Jar files

Add “**com.sap.security.api.jar**” to the java build path of the application.



Create Application

Create the application `FetchPortalRollsApp`

In the package give a package name as you like.

Click on **Next**.

Name

Package

Authentication

In the window that appears keep the default values and click on **Finish**.

Component Name

Component Package

Source Folder

Window Name

Window Package

Embed new View

View Name

View Package

Setting the Application Properties

Set the Authentication Property of the application to true

Application properties

Displays the application properties of the application

| Name | Value | Description | New |
|--------------------|-------|---------------------|------------------------------------|
| sap.authentication | true | Authentication mode | <input type="button" value="New"/> |

For more details on setting the authentication properties of application go to this link

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/00c80a68-ac51-2b10-efa6-c3ea8f984a6a>

Create Context Attributes

Create two context attributes “**assigned_roles**” and “**name**”.



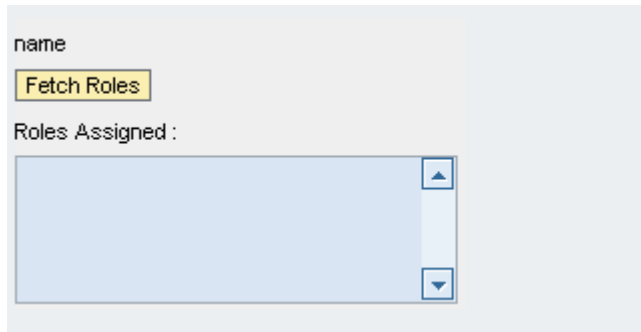
Create Layout

The layout contains following elements:

A Text View element, map the text attribute to the context attribute “name”.

A button “Fetch Roles”, create the action “**onActionFetchRoles**” for it

A Text Edit element, map the text value to the context attribute assigned_roles and set the read only property to true



Save all metadata.

Implementation

In the **wdDoInit()** method write the following code

```
try
{
    IWDCClientUser clientUser = WDCClientUser.getCurrentUser();
    //fetch the current logged in user
    IUser user = clientUser.getSAPUser();
    wdContext.currentContextElement().setName("Welcome,
"+user.getDisplayName());
}
catch (WDUMException e)
{
    wdComponentAPI.getMessageManager().reportException(
        e.getMessage(), false);
}
}
```

In the **onActionFetchRoles** method write following code

```
try {
    IWDCClientUser clientUser =
WDCClientUser.getCurrentUser();
    //fetch the current logged in user
    IUser user = clientUser.getSAPUser();

    //wdContext.currentContextElement().setName(user.getDisplayName());
    Iterator role = user.getRoles(true);
    String str = "";
    while (role.hasNext())
    {
        String rolestr = (String) role.next();
        try {
            IRole r =
UMFactory.getRoleFactory().getRole(rolestr);
            str = str + "\n" + r.getDisplayName();
        }
        catch (UMException e1)
        {
            wdComponentAPI.getMessageManager().reportException(e1.getMessage(), false);
        }
    }
    wdContext.currentContextElement().setAssigned_roles(str);
}
```

```

    }
    catch (WDUMException e) {

        wdComponentAPI.getMessageManager().reportException(e.getMessage(), false);
    }
}

```

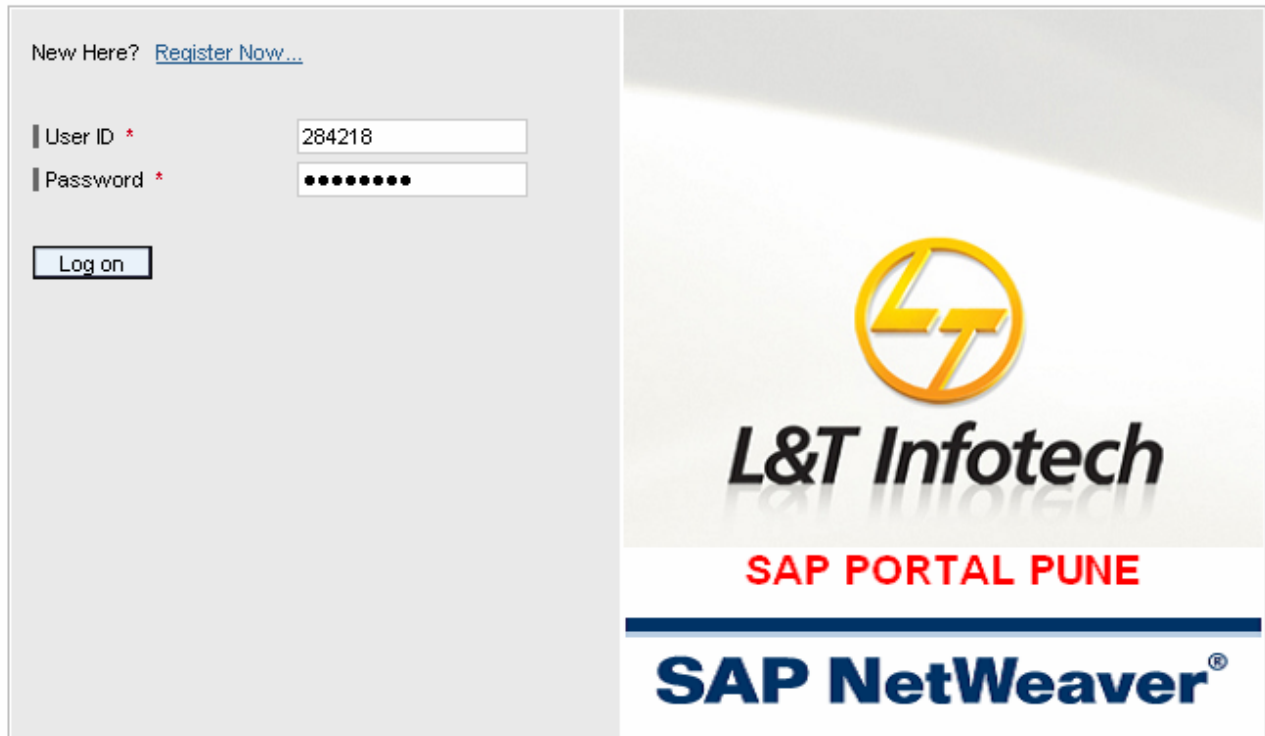
Save all the metadata.

Result

Deploy and run the application the

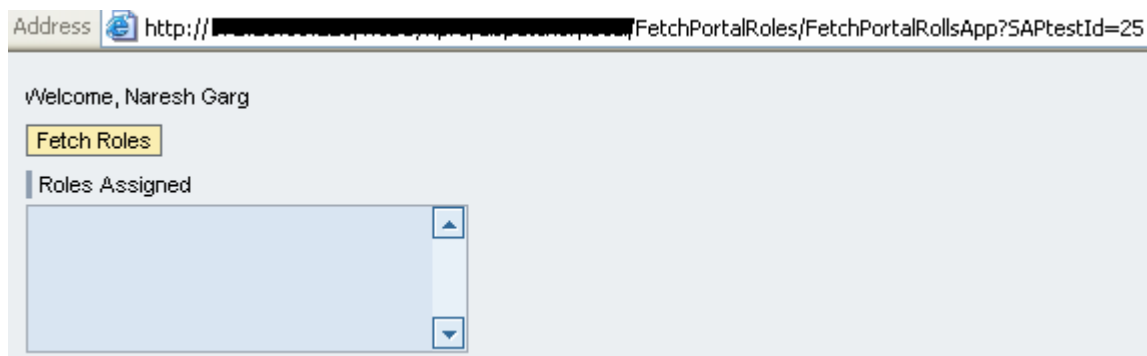
The login screen for the portal will appear

Welcome to L&T Infotech SAP Portal

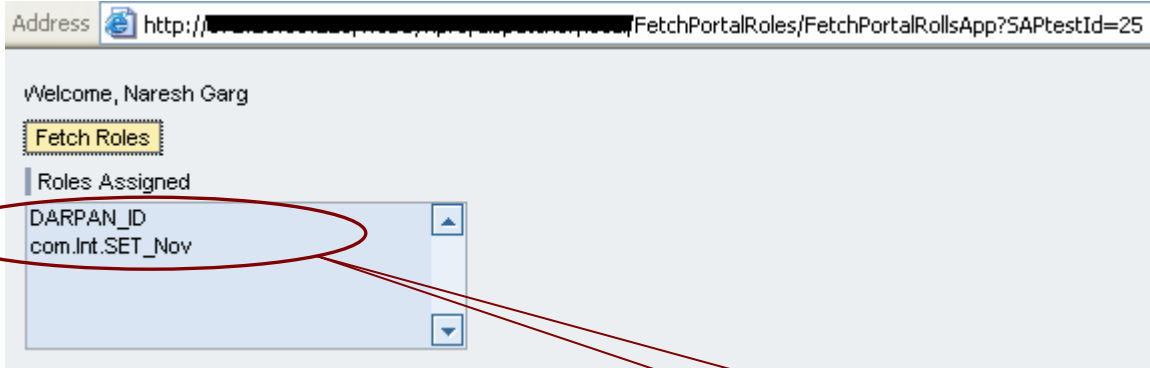


After, you logged in.

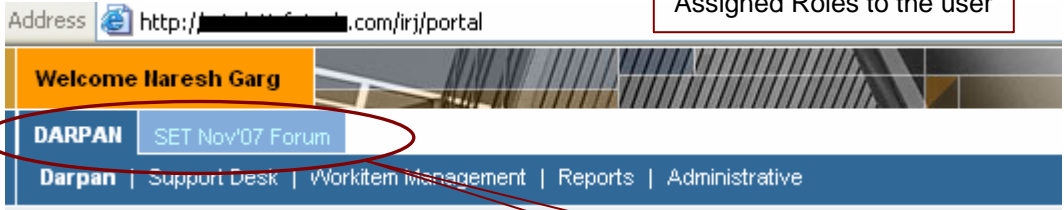
The initial screen will appears :



Click on the "Fetch Roles " , button



To verify the output we'll check the assigned roles in the portal itself



With this step our application is completed.

Assigned Roles to the user

Related Content

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/00c80a68-ac51-2b10-efa6-c3ea8f984a6a>

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/d0eb5a9d-4256-2b10-79b9-bb0b797ccf73>

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/c2fad86f-0401-0010-91ac-bdb38595a735>

Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.