

**How-to Guide
SAP NetWeaver '04**



How To... Enable Links in the Tool Area

Version 1.00 – January 2006

**Applicable Releases:
SAP NetWeaver '04 SR1 and higher**

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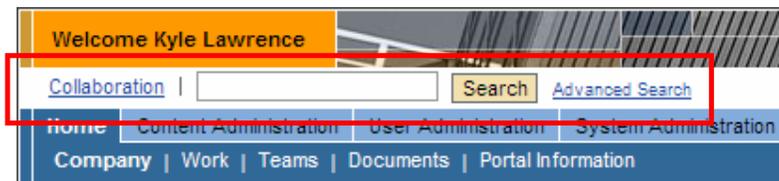
1 Scenario

In addition to the standard collaboration link in the tool area, a requirement exists to include other useful links in the tool area.

2 Introduction

The tool area provides access to such key applications as real-time collaboration or to a search component. Applications may vary based on the company and user.

An example of a typical tool area with the Collaboration Link, Search Bar, and Advanced Search Link is seen below:



In addition to these standard components, portal administrators may wish to define links to additional applications or URLs. This may be accomplished via configuration of the Tool Area iView and modification of the toolAreaiView_nls properties and the toolAreaiView.jsp.

3 Prerequisites

One must be assigned the Content Administrator role to configure the Tool Area iView. Furthermore, access to the com.sap.portal.navigation.toolarea.par file is necessary to modify the toolAreaiView_nls properties and the toolAreaiView.jsp. Finally, one needs the ability to deploy portal applications (PAR files).

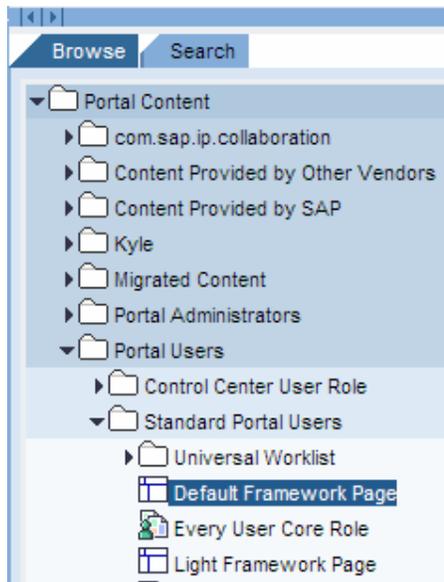
4 The Step By Step Solution

This solution involves three main steps, which are detailed below:

- Configure the Tool Area iView
- Modify the `com.sap.portal.navigation.toolarea.par` file
- Deploy new PAR file

4.1 Configure the Tool Area

As a content administrator, navigate to Content Administration → Portal Content. In this example, the SAP-delivered Default Framework Page (`pcd:portal_content/every_user/general/frameworkpage`) is used.



If additional framework pages are used and the additional links functionality is desired, this change should be applied to subsequent Default Framework Page(s).

Select and edit the desired Default Framework Page. The iViews assigned to the Default Framework Page are displayed.

Page Content Page Layout

From the Portal Catalog, select the content you want to add to the page. In the Property Editor, edit the property values of the page and those of its iViews and pages.

	Name	ID	Visible	Fixed
<input type="checkbox"/>	Masthead iView	com.sap.portal.masthead	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Tool Area	com.sap.portal.toolAreaView	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Top-Level Navigation	com.sap.portal.topLevelNavigationiView	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Page Title Bar	com.sap.portal.pageToolbar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Desktop Innerpage	com.sap.portal.innerpage	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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[Show 'Default Framework Page' Properties](#)

Select the Tool Area iView by checking the box. Click the Open button to directly edit the Tool Area iView.

In the Property Category, select “Show All” as seen below.

Property Editor - Tool Area

Property Category: Information

- Advanced
- Appearance - Size
- Appearance - Tray
- Availability
- Drag&Relate
- Information
- Load
- Monitoring
- Navigation
- Show All

Changed By: 42
 Collection: L_INITIA
 com.sap.portal.pcc
 Created By:
 Created On: 11/24/2005

The relevant properties are as follows:

- EnableLink1
- EnableLink2

Both properties are set to “false” by default. Each of these can individually be activated by setting the value to “true”. Note that these Boolean values are case-sensitive. In this example, both links are activated.

EnableLink1

EnableLink2

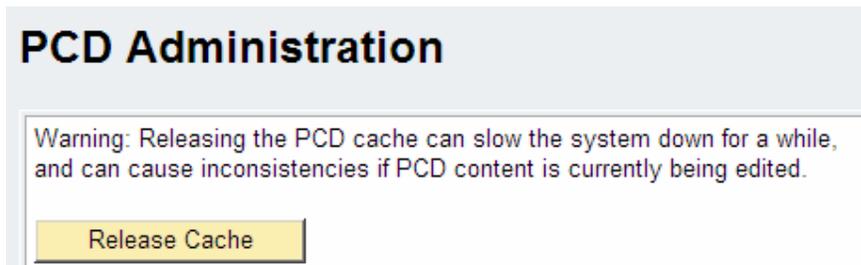
Save the Tool Area iView by clicking on the button and close the Default Framework Page.

The updated Tool Area should appear as follows:



Note:

- If the changes do not immediately appear, the PCD cache may require releasing. To release the PCD cache, the System Administrator role is required. Navigate to System Administration → Support → Portal Content Directory → Pcd Administration. Click on the Release Cache button as seen below.



- The updated Default Framework Page may also be previewed directly from the PCD. In this manner, the existing PCD cache is not used and the changes are immediately available for review.

4.2 Modify the `com.sap.portal.navigation.toolarea.par` file

Configuration of the Tool Area iView enables the links in the Tool Area. However, the definition of the links along with their name and tooltip text is defined in the `com.sap.portal.navigation.toolarea.par` file.

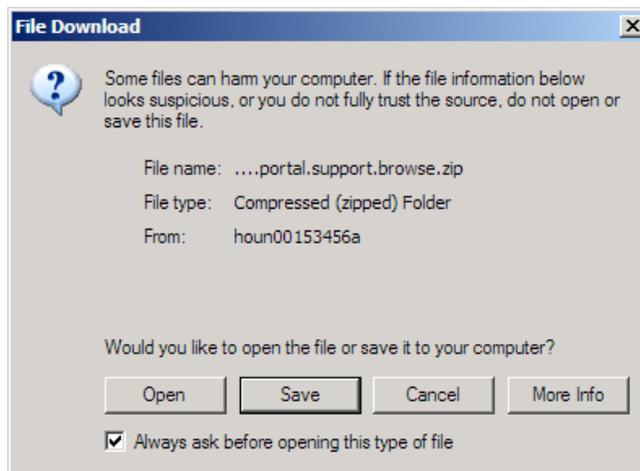
Obtain the PAR file from
`/usr/sap/<SID>/JC00/j2ee/cluster/server<n>/apps/sap.com/irj/servlet_jsp/irj/root/WEB-INF/deployment/pcd.`

Alternatively, if one possesses the System Admin role, navigate to System Administration → Support → Portal Runtime → Browse Deployment → WEB-INF → deployment → pcd.

You are here: [ROOT/WEB-INF/deployment/pcd](#) ([download this folder](#))

name	action	size	last modified
com.sap.portal.navigation.pagetoolbar.par.bak	view , download	57050	Wed Dec 14 03:35:22 CST 2005
com.sap.portal.navigation.portallauncher.par.bak	view , download	27970	Wed Dec 14 03:35:06 CST 2005
com.sap.portal.navigation.service.par.bak	view , download	128653	Wed Dec 14 03:34:48 CST 2005
com.sap.portal.navigation.targets.par.bak	view , download	23941	Wed Dec 14 03:35:24 CST 2005
com.sap.portal.navigation.toolarea.par.bak	view , download	40172	Tue Jan 17 10:41:28 CST 2006
com.sap.portal.navigation.toplevel.par.bak	view , download	45102	Wed Dec 14 03:35:24 CST 2005

Click the download link to save the file in a zip format.



Unzip the file to obtain the com.sap.portal.navigation.toolarea.par with a “.bak” extension.

Remove the “.bak” extension and extract the PAR file using any standard tool such as WinZip or WinRAR. Alternatively, one can load the PAR file into SAP NetWeaver Developer Studio.

The NLS files are located in the PORTAL-INF/private/classes folder and define the link name as it appears in the portal and the tooltip. For this example, only the English file is altered. However, if additional languages are used in the portal, the corresponding NLS files should be altered as appropriate.

For English, edit the toolAreaiView_nls_en.properties file. The changes are highlighted in **red** text. This example used the MSNBC and Google websites as Link1 and Link2 respectively.

EXAMPLE_LINK1_TOOLTIP=MSNBC Website

CLP_LINK_TOOLTIP=Start the collaboration launch pad
LBL_ENABLE_SRCH_ADV=Enable KM Search Advanced

EXAMPLE_LINK2_TEXT=Google

LBL_ENABLE_SRCH_ADV_PARAM=KM Search Advanced Parameters
SEARCH_ADVANCED_LINK_TEXT=Advanced Search
ACC_TOOLAREA_START=Tool Area - To skip, press Alt+Z. To enter, press tab
SEARCH_BUTTON_TEXT=Search
CLP_WINDOW_TITLE=Collaboration Launch Pad
ACC_LINK_INVOKE=To invoke, press return key.
SEARCH_BUTTON_TOOLTIP=Search for a keyword or query
LBL_SEARCH_COMPONENT=KM Search Component
LBL_SEARCH_PARAMETERS=KM Search Parameters
SEARCH_INPUT_TOOLTIP=Enter a keyword or query
ACC_BUTTON_ACTIVATE=To activate, use spacebar
LBL_ENABLE_RTC_SESS_MANAGER=Enable Real-Time Collaboration

EXAMPLE_LINK2_TOOLTIP=Google Website

SEARCH_NO_ENTRY_MESSAGE=Enter a search term
CLP_LINK_TEXT=Collaboration
ACC_BUTTON_CAPTION=Button
ACC_PUSHBUTTON_SEARCH=Search - Button - Search for a keyword or query -
To activate, use spacebar
LBL_ENABLE_SEARCH=Enable KM Search
SEARCH_ADVANCED_LINK_TOOLTIP=Display the advanced options for searching
LBL_RTC_SESS_MANAGER_COMP=Real-Time Collaboration Component
ACC_TOOLAREA_END=End of Tool Area - To return to the beginning, press
Alt+B.

EXAMPLE_LINK1_TEXT=MSNBC

LBL_CLP_COMPONENT=Collaboration Launch Pad Component
LBL_ENABLE_CLP=Enable Collaboration Launch Pad
ACC_LINK_CAPTION=Link

The JSP file that defines the links is located in the PORTAL-INF/jsp folder.
The original code in the ToolAreaView.jsp is as follows:

```
<TD nowrap class="prtlToolAreaTaskTextLftPadd">
<%=if (isEnabled(profile, ENABLE_EXAMPLE_LINK1)) {%>
  <A href="#" class="prtlToolAreaTaskText"
title="<%=exampleLink1TooltipStr%>"><%=exampleLink1TextStr%></A></TD>
<TD nowrap class="prtlToolAreaTaskDivider">&nbsp;
<%=}%>
</TD>
<TD nowrap>
<%=if (isEnabled(profile, ENABLE_EXAMPLE_LINK2)) {%>
  <A href="#" class="prtlToolAreaTaskText"
title="<%=exampleLink2TooltipStr%>"><%=exampleLink2TextStr%></A></TD>
<TD nowrap class="prtlToolAreaTaskDivider">&nbsp;
<%=}%>
  </TD>
<%= // START OF PSS %>
<%= // END OF PSS %>
<TD nowrap>
```

The <A href="#" targets were changed as follows:

```
<TD nowrap class="prtlToolAreaTaskTextLftPadd">
<%=if (isEnabled(profile, ENABLE_EXAMPLE_LINK1)) {%>
  <A href="http://www.msnbc.com" target="new"
class="prtlToolAreaTaskText"
title="<%=exampleLink1TooltipStr%>"><%=exampleLink1TextStr%></A></TD>
<TD nowrap class="prtlToolAreaTaskDivider">&nbsp;
<%=}%>
</TD>
<TD nowrap>
<%=if (isEnabled(profile, ENABLE_EXAMPLE_LINK2)) {%>
```

```
<A href="http://www.google.com" target="new"
class="prt1ToolAreaTaskText "
title="<%=exampleLink2TooltipStr%>"><%=exampleLink2TextStr%></A></TD>
<TD nowrap class="prt1ToolAreaTaskDivider">&nbsp;
<%}%>
</TD>
<% // START OF PSS %>
<% // END OF PSS %>
<TD nowrap>
```

Additionally, standard HTML code (`target="new"`) was added to ensure that the links would open in a new browser.

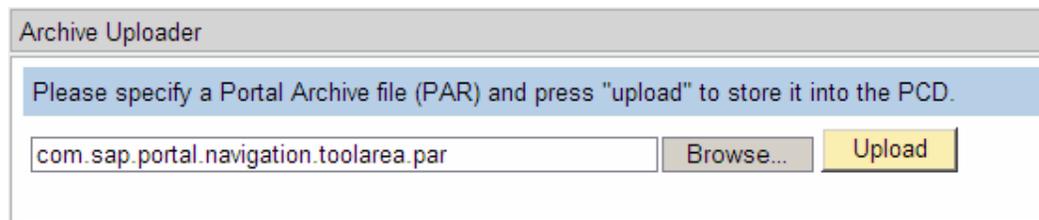
Note: These links could be defined in a variety of manners including use of an `onClick` command.

4.3 Deploy PAR file

Once the changes are made to the NLS and JSP files, the portal archive is rebuilt. This can occur via any standard tool such as WinZip or WinRAR. Alternatively, one can use SAP NetWeaver Developer Studio to build and deploy the PAR file.

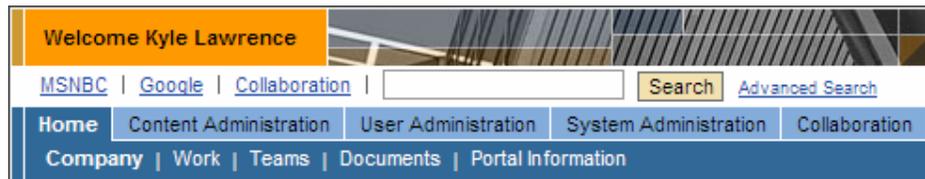
If the PAR file is manually rebuilt, navigate to System Administration → Support → Portal Runtime → Administration Console → Archive Uploader. Please note that the System Administrator role is required to deploy a portal archive in this manner.

Use the Browse button to select the desired PAR and click the Upload button to deploy.



4.4 Test the New Links

After the new PAR file is deployed, refresh the portal. The new tool area should as follows:



5 Additional Notes

In this example, the changes were made directly to the `com.sap.portal.navigation.toolarea.par` and deployed to the portal. This

methodology works to demonstrate the capabilities and configuration options. Because the PAR file exists in the SAP namespace, the changes are not necessarily protected during future upgrades. Therefore, when changes are made to the `com.sap.portal.navigation.toolarea.par` file, it is recommended that changes are saved to a customer namespace.

There are additional configuration steps required if the `com.sap.portal.navigation.toolarea.par` file is saved in the customer namespace. These steps are outlined as follows:

- Create and configure new Tool Area iView from customer PAR
- Replace existing Tool Area iView in the Default Framework page with new Tool Area iView

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