



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

How To Extend User Details

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1 Scenario

This scenario describes how to create additional attributes for user information easily and simply.

Depending on the user persistence mode, you can add extra information (address, phone number, and so on) to an existing user. This information is stored and read out from the portal user persistence (LDAP, MS ADS, database, and so on).

In addition, you can create your own (custom) user attributes. The additional attributes are stored as UME attributes. The store depends on the UME configuration.

The advantage of this scenario is that portal users can add their own (personal) information to their profile and are also able to see other users' profiles. In addition, the users can search for these attributes and display the relevant hits in a search results list.

2 Prerequisites

You must be assigned to the super administrator role in order to carry out the tasks described in this guide.

This scenario is based on an example in which the customer requires that the user information be extended by an *Expert Area* attribute. Users should be able to enter keywords relating to their expertise within the area that they work in.

3 The Step-By-Step Solution

In the first step, you define additional custom UME attributes; in the second step, you map these UME attributes to KM properties. The aim of this guide is to enable KM to read and display the UME attributes defined.

3.1 Specifying Additional Attributes in the UME

The properties used in this example must be known within the UME. For more information, see: http://help.sap.com/saphelp_nw04/helpdata/en/a3/d2ffd64602c149949ca3cf379dc295/frameset.htm.

1. Choose *System Administration* → *System Configuration* → *UM Configuration*.
2. Go to the *Direct Editing* tab.
3. In the input field, search for *ume.admin.addattrs*.
4. Add a value, for example, *expertarea;skills* (separated with semicolons).
5. Save your changes.
6. Restart the server.

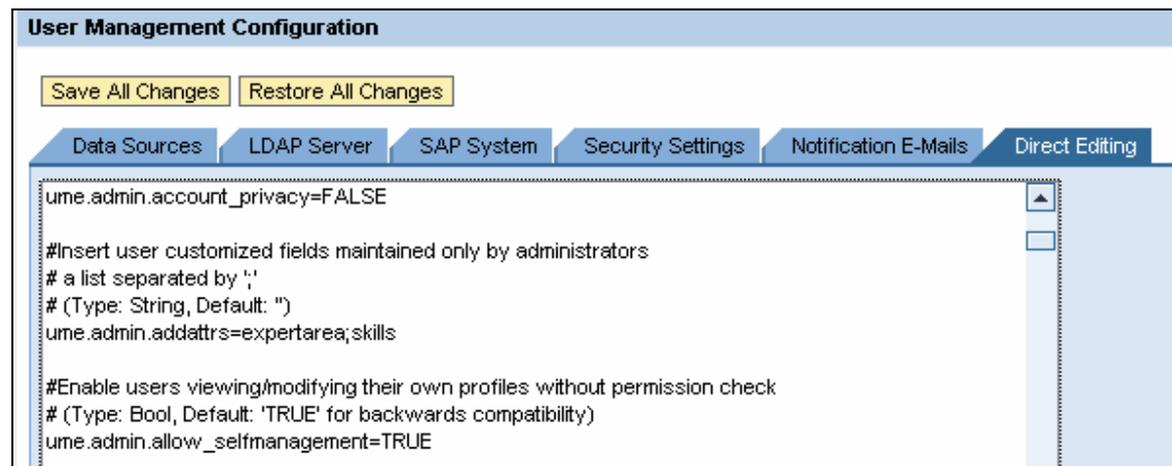


Figure 01: Direct Editing Tab

3.2 Creating a Metadata Property in the CM Configuration

Call up the *Configuration* iView as follows: Choose *System Administration* → *System Configuration* → *Knowledge Management* → *Content Management*. In the *Configuration* iView, make sure that the advanced view is activated. You can check this by choosing *Mode – Advanced* in the menu bar. (The advanced view displays all configuration classes and parameters.)

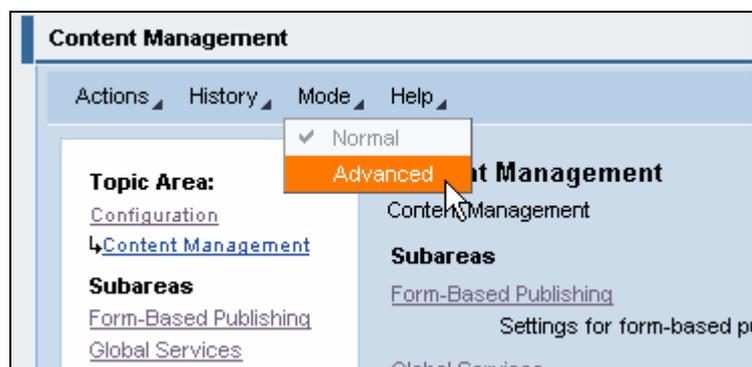


Figure 02: Switching to Advanced Mode

1. Go to *Global Services* → *Property Metadata* → *Properties*.
2. Search for a *UME* property, for example, *ume_user_zip* and copy it.
3. Specify the following attributes (example):

UniqueID	=	ume_user_expertarea
Key For Label	=	UME_USER_EXPERTAREA
PropertyID	=	expertarea
Indexable (optional)	=	TRUE

4. Save the newly created metadata property.



The `Key For Label` attribute is used for translation. For more information, see section 3.8.

View "ume_user_expertarea"	
Description	
Property ID *	expertarea
Namespace Alias *	ume
Type *	String
Group *	collaboration
Mandatory	<input type="checkbox"/>
Multi-Valued	<input type="checkbox"/>
Read Only	<input type="checkbox"/>
Maintainable	<input type="checkbox"/>
Indexable	<input checked="" type="checkbox"/>
Default Value	
Allowed Values (csv)	
Key for Label	UME_USER_EXPERTAREA
Meta Data Extension	userDetails
Folder Validity Patterns (csv)	/
Document Validity Patterns (csv)	/
Resource Types (csv)	
Mime Types (csv) +	
Default Sorting * +	Ascending
Label Icon +	
Hidden +	<input type="checkbox"/>
Dependencies +	<input type="checkbox"/>
Additional Metadata (csv) +	alignLeft
Property Renderer +	Not set
Virtual +	<input type="checkbox"/>
Composed of +	<div style="border: 1px solid gray; padding: 5px;"> <div style="background-color: #cccccc; padding: 2px;">Unique ID</div> <div style="padding: 2px;">Not set</div> <div style="display: flex; justify-content: space-between; align-items: center;"> ⏪ ⏩ ⏴ ⏵ Page 1 / 1 </div> </div>
Comparator Class +	
<div style="display: flex; justify-content: space-between; align-items: center;"> Edit Close Hide Advanced Options (+ denotes advanced options) </div>	

Figure 03: CM Property "expertarea"

3.3 Adding the Metadata Property to the Property Structure

1. Choose *System Administration* → *System Configuration* → *Knowledge Management* → *Content Management*.
2. Go to *Global Services* → *Property Structure* → *Property Groups*.
3. You can create a new group or use an existing one, for example, edit *userDetailsCompany*.
4. Add the metadata property created in section 3.2 (with the namespace information) to the *Group Items* attribute (delimited by commas).

View "userDetailsCompany"	
Description	Tab for company data
Group Items	ume:company,ume:department,ume:jobtitle,ume:expertarea,ume:skills
Key for Label	COMPANY_TITLE
Bundle File	com.sap.ip.collaboration.coreui.api.people.flexibleui.PeopleBundle
Property Metadata Group +	Not set
Group Renderer * +	standard
Single Focus +	<input type="checkbox"/>
Edit Close Hide Advanced Options (+ denotes advanced options)	

Figure 04: Property Group "userDetailsCompany"

3.4 Creating the UME Attribute Mapping

In order to prevent a reduction in performance, you must additionally map the UME attribute.

1. Choose *System Administration* → *System Configuration* → *Knowledge Management* → *Content Management*.
2. Go to *Repository Managers* → *UME Object Settings* → *UME Principals* → *UME Attribute Mapping*.
3. Create a new *UME Attributes* entry:

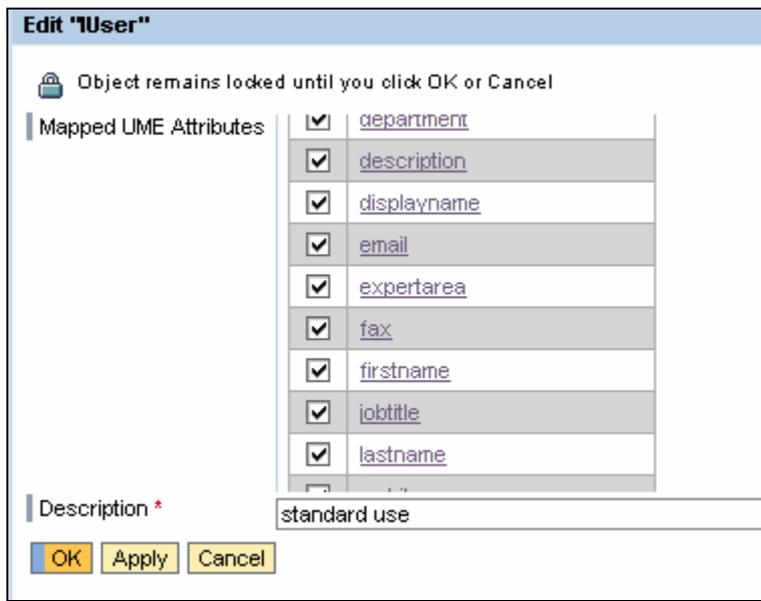
Property Name = expertarea
UME Attribute Name = expertarea
UME Attribute Namespace = com.sap.security.core.usermanagement

View "expertarea"	
searchable	<input checked="" type="checkbox"/>
UME Attribute Name *	expertarea
UME Attribute Namespace *	com.sap.security.core.usermanagement
Edit Close	

Figure 05: Creating the UME Attribute "expertarea"

3.5 Activating the UME Principals Mapping

1. Choose *System Administration* → *System Configuration* → *Knowledge Management* → *Content Management*.
2. Go to *Repository Managers* → *UME Object Setting* → *UME Principals* → *UME Principals*.
3. Edit *IUser*.
4. In the list of available properties, check your new property, for example, *expertarea*.
5. Save your changes.

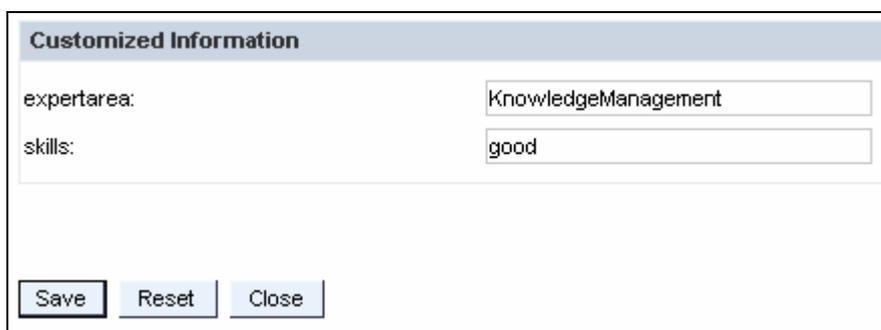


The screenshot shows a dialog box titled "Edit 'User'" with a lock icon and the text "Object remains locked until you click OK or Cancel". Below this, there is a section labeled "Mapped UME Attributes" which contains a list of attributes, each with a checked checkbox. The attributes listed are: department, description, displayname, email, expertarea, fax, firstname, jobtitle, and lastname. At the bottom of the dialog, there is a "Description *" field with the text "standard use" and three buttons: "OK", "Apply", and "Cancel".

Figure 06: Mapping UME Attributes

3.6 Checking the User Profile

1. In the portal header, choose *Personalize* → *User Profile*.
2. In the *Customized Information* section, check that the *Expert Area* and *Skills* attributes are available.
3. Save the user profile.



The screenshot shows the "Customized Information" section of a user profile. It contains two input fields: "expertarea:" with the value "KnowledgeManagement" and "skills:" with the value "good". At the bottom of the section, there are three buttons: "Save", "Reset", and "Close".

Figure 07: Adding Information to the User Profile

3.7 Checking the User Details

1. Choose *Content Administration* → *KM Content*.
2. Choose any repository where your user ID works (for example, *documents*).
3. Click your user name and check that the additional attributes are displayed.
4. If not, restart the SAPJ2EE (in some cases, you must restart it so that the changes can take effect).

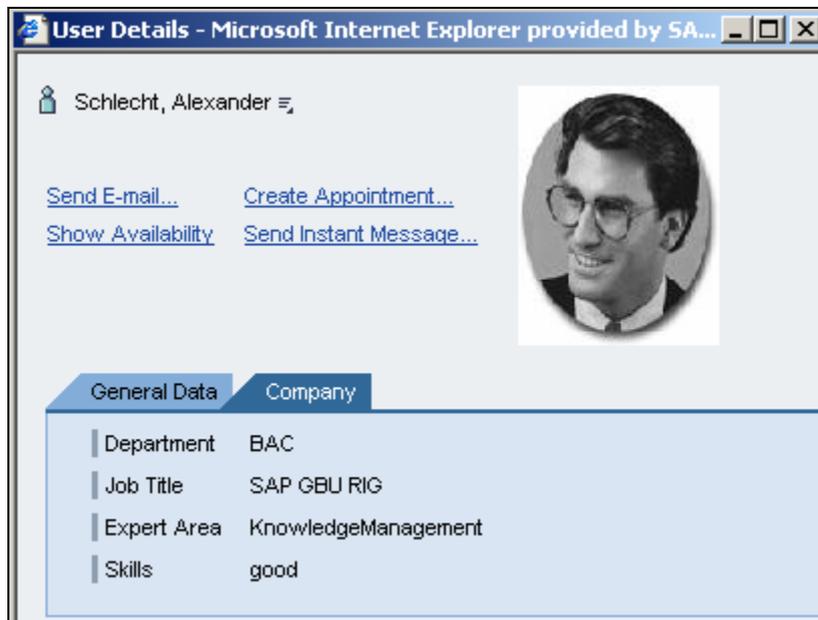


Figure 08: Attributes Appear in the User Details

3.8 Additional Tasks

You may have to perform some additional tasks for this scenario, for example, translating the created properties, creating properties with multiple values, making the properties available for advanced search, or defining property dependencies. In that case, SAP recommends referring to <http://sap.help.com> or <http://service.sap.com/nw-howtoguides> for the latest documentation and information, because links to other how-to guides within this guide might change.

www.sdn.sap.com/irj/sdn/howtoguides