**Updating the SAP NetWeaver to Support Standard Account Attributes**

The following outlines the steps required to add the "Floor" attribute to the ITIM Adapter for SAP NetWeaver.

1). Extract the profile associated with the ITIM Adapter for SAP NetWeaver.

2). Adding the ersapnwfloor attribute to the SAP NetWeaver ISIM schema.dsml –

<!-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->

<!-- ersapnwbuilding -->

<!-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->

<attribute-type single-value = "true" >

<name>ersapnwbuilding</name>

<description>building</description>

<object-identifier>1.3.6.1.4.1.6054.3.149.2.6</object-identifier>

<syntax>1.3.6.1.4.1.1466.115.121.1.15</syntax>

</attribute-type>

**<!-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->**

**<!-- ersapnwfloor -->**

**<!-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->**

**<attribute-type single-value = "true" >**

 **<name>ersapnwfloor</name>**

 **<description>floor number</description>**

 **<object-identifier>1.3.6.1.4.1.6054.3.64.2.19</object-identifier>**

 **<syntax>1.3.6.1.4.1.1466.115.121.1.15</syntax>**

**</attribute-type>**

3). Update the ersapnwaccount attribute to include the floor attribute -

<!-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->

<!-- ersapnwaccount class -->

<!-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->

<class superior="top">

<name>ersapnwaccount</name>

<description>sap account class</description>

…..

<attribute ref = "ersapnwfunction" required="false"/> <!-- sapAddress/function -->

**<attribute ref = "ersapnwfloor" required="false"/> <!-- sapAddress/floor -->**

<attribute ref = "ersapnwbuilding" required="false"/> <!-- sapAddress/buildingNumber -->

…

4). Add the following to the CustomLabels.properties file -

ersapnwalias=Internet User Alias

**ersapfloor=Floor**

ersapnwbuilding=Building

5). Adding the floor attribute to the account ersapnwaccount.xml -

<formElement direction="inherit" label="$ersapnwroom" name="data.ersapnwroom">

<input type="text" name="data.ersapnwroom"/>

</formElement>

**<formElement direction="inherit" label="$ersapfloor" name="data.ersapfloor">**

**<input type="text" name="data.ersapfloor"/>**

**</formElement>**

<formElement direction="inherit" label="$ersapnwbuilding" name="data.ersapnwbuilding">

<input type="text" name="data.ersapnwbuilding"/>

</formElement>

6). Repackage the profile by executing the following command -

#> cd SapNWProfile



#> jar -cvf SapNWProfile.jar \*

7). Reimport the updated profile using the ISIM interface -



8). Confirm that the import of the new profile has completed successfully via the ISIM tracce.log.

9). Confirm that the "Floor" attribute has been added to the SAP NetWeaver Account forms as shown following -



\* Note – this may take a couple of minutes to propagate across all accounts.

10). Log into the TDI machine and navigate to the XSL files provided with the adapter.

11). Edit the "sapnw\_bapi\_user\_create.xsl" file with the following contents marked in **bold** to add support for the “floor” attribute for the create account operation -

**ADD -**

 <ADDRESS>

 <xsl:apply-templates select="./ersapnwtitle" />

 <xsl:apply-templates select="./ersapnwacademic" />

 <xsl:apply-templates select="./ersapnwgivenname" />

 <xsl:apply-templates select="./ersapnwsurname" />

 <xsl:apply-templates select="./ersapnwcommlang" />

 <xsl:apply-templates select="./ersapnwdepartment" />

 <xsl:apply-templates select="./ersapnwfunction" />

 <xsl:apply-templates select="./ersapnwbuilding" />

 **<xsl:apply-templates select="./ersapfloor" />**

 <xsl:apply-templates select="./ersapnwroom" />

 <xsl:apply-templates select="./ersapnwcountry" />

 <xsl:apply-templates select="./ersapnwsystimezone" />

 <xsl:apply-templates select="./ersapnwcommmeth" />

 <xsl:apply-templates select="./ersapnwprimaryphonenumber" />

 <xsl:apply-templates select="./ersapnwprimaryphoneextension" />

 <xsl:apply-templates select="./ersapnwprimaryfaxnumber" />

 <xsl:apply-templates select="./ersapnwprimaryfaxextension" />

 </ADDRESS>

**ADD -**

 <xsl:template match="ersapnwbuilding">

 <BUILDING\_P><xsl:value-of select="." /></BUILDING\_P>

 </xsl:template>

 **<xsl:template match="ersapfloor">**

 **<FLOOR\_P><xsl:value-of select="." /></FLOOR\_P>**

 **</xsl:template>**

12). Save and close the file.

13). Edit the "sapnw\_bapi\_user\_change.xsl" file with the following contents marked in **bold** to add support for the floor attribute for the modify account operation -

**ADD** -

 <xsl:output method="xml"

 indent="yes"

 omit-xml-declaration="yes"

 cdata-section-elements="BAPI\_USER\_CHANGE USERNAME PASSWORD BAPIPWD PASSWORDX

 ALIAS USERALIAS ALIASX BAPIALIAS ADDRESS ADDRESSX TITLE\_P

 TITLE\_ACA1 FIRSTNAME LASTNAME LANGUP\_ISO DEPARTMENT

 FUNCTION BUILDING\_P **FLOOR\_P** ROOM\_NO\_P COUNTRY TIME\_ZONE COMM\_TYPE

 TEL1\_NUMBR TEL1\_EXT FAX\_NUMBER FAX\_EXTENS COMPANY COMPANYX

 DEFAULTS DEFAULTSX STCOD START\_MENU SPLD SPDB SPDA DATFM

 DCPFM LANGU CATT KOSTL CATTKENNZ LOGONDATA GLTGV GLTGB

 USTYP CLASS ACCNT TZONE LTIME CODVN LOGONDATAX SNC PNAME

 GUIFLAG SNCX GROUPS GROUPSX USERGROUP item PARAMETER

 PARAMETERX PARID PARVA ADDSMTP ADDCOMX STD\_NO E\_MAIL

 HOME\_FLAG CONSNUMBER"/>

**ADD** -

 <xsl:apply-templates select="./ersapnwbuilding" />

 **<xsl:apply-templates select="./ersapfloor" />**

**ADD** –

 <xsl:if test="./ersapnwbuilding">

 <BUILDING\_P>X</BUILDING\_P>

 </xsl:if>

 **<xsl:if test="./ersapfloor">**

 **<FLOOR\_P>X</FLOOR\_P>**

 **</xsl:if>**

**ADD** -

 <xsl:template match="ersapnwbuilding">

 <BUILDING\_P><xsl:value-of select="." /></BUILDING\_P>

 </xsl:template>

 **<xsl:template match="ersapfloor">**

 **<FLOOR\_P><xsl:value-of select="." /></FLOOR\_P>**

 **</xsl:template>**

14). Save and close the file.

15). Edit the "sapnw\_bapi\_user\_getdetail\_postcall.xsl" file with the following contents marked in **bold** to add support for the floor attribute for the recon operation -

**ADD -**

 <xsl:output method="xml"

 indent="yes"

 omit-xml-declaration="yes"

 cdata-section-elements="User objectclass sapUserName eruid entryDN ersapnwalias ersapnwtitle

 ersapnwacademic ersapnwgivenname ersapnwsurname ersapnwcommlang

 ersapnwdepartment ersapnwfunction ersapnwbuilding **ersapfloor** ersapnwroom

 ersapnwcountry ersapnwprimaryphonenumber ersapnwprimaryphoneextension

 ersapnwprimaryfaxnumber ersapnwprimaryfaxextension ersapnwcommmeth

 ersapnwcompany eraccountstatus ersapnwmenu ersapnwoutputdevice

 ersapnwprntdelete ersapnwprntimmediate ersapnwdateformat

 ersapnwdecimalpoint ersapnwdefaultlang ersapnwcatt ersapnwcostcenter

 ersapnwdatefrom ersapnwdateuntil ersapnwtype ersapnwusergroups

 ersapnwldaccount ersapnwtimezone codeVerEncryption

 ersapnwsncname ersapnwsncflag ersapnwgroup item ersapnwparid

 ersapnwemailaddress ersapnwagrname ersapnwprofile ersapnwcuasystem

 ersapnwlicutype ersapnwlicspecver ersapnwlicsurchrg ersapnwlicsubfrom

 ersapnwlicsubto ersapnwlicsysid ersapnwlicclient ersapnwlicbname

 ersapnwliccuadata"/>

 <xsl:template match="/">

**ADD** -

 <!-- BEGIN sapAddress -->

 <xsl:template match="ADDRESS" >

 <xsl:apply-templates select="./TITLE\_P" />

 <xsl:apply-templates select="./TITLE\_ACA1" />

 <xsl:apply-templates select="./FIRSTNAME" />

 <xsl:apply-templates select="./LASTNAME" />

 <xsl:apply-templates select="./LANGUP\_ISO" />

 <xsl:apply-templates select="./DEPARTMENT" />

 <xsl:apply-templates select="./FUNCTION" />

 <xsl:apply-templates select="./BUILDING\_P" />

 **<xsl:apply-templates select="./FLOOR\_P" />**

 <xsl:apply-templates select="./ROOM\_NO\_P" />

 <xsl:apply-templates select="./COUNTRY" />

 <xsl:apply-templates select="./TEL1\_NUMBR" />

 <xsl:apply-templates select="./TEL1\_EXT" />

 <xsl:apply-templates select="./FAX\_NUMBER" />

 <xsl:apply-templates select="./FAX\_EXTENS" />

 <xsl:apply-templates select="./COMM\_TYPE" />

 </xsl:template>

**ADD** -

 <xsl:template match="BUILDING\_P">

 <ersapnwbuilding><xsl:value-of select="." /></ersapnwbuilding>

 </xsl:template>

 **<xsl:template match="FLOOR\_P">**

 **<ersapfloor><xsl:value-of select="." /></ersapfloor>**

 **</xsl:template>**

16). Save and close the file.

17). Restart the RMI Dispatcher to ensure that all the changes are picked up.

18). Test the add operation by creating a new account with the floor attribute set -



19). Validate that the operation has completed successfully using the ITIM GUI -



20). Validate that the operations has complete successfully within the SAP NetWeaver server using transaction code su01 -



21). Complete a modify operation and validate that the operation has been completed successfully in both the ITIM and SAP GUI.

22). Modify the "Floor" attribute within the SAP GUI and complete a recon within the ITIM GUI for the service where the account exists. Validate that the recon operation has completed successfully and the account attribute in the ITIM account now matches that in the SAP GUI.