



SAP Access Control 12.0 End User Logon Configuration

March 2018



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1. PURPOSE

This document explains how to configure the End User Logon screen. This screen allows users who do not have direct access to SAP Access Control to perform the following services, providing the specific service is activated:

- Submit requests for access
- Find the status of submitted requests
- Register for Password Self Service
- Change passwords
- Execute a name change
- View their profile

RECOMMENDATION

Aside from Self Registration, Password Self Service, and Name Change Service it is advisable to enable all other services as there can be dependencies.

Only systems that are connected and synchronized to SAP Access Control can be accessed using the End User Logon screen. Access to the screen itself can be open to anyone or limited to those in an active directory. It can also require password authentication.

End User Logon does not allow direct access to SAP Access Control via the User ID. Instead, it uses a Guest User. It is not intended for approvers or administrators who need access to the full functionality of SAP Access Control.

2. CONFIGURE END USER LOGON OVERVIEW

The following steps are needed to set up the End User Logon page:

1. Configure User Authentication Data Sources
2. Configure End User Verification
3. Create a guest user to apply to SAP Service
4. Activate and modify the desired services
5. Enter the guest user information on Logon Data tab
6. Test the service
 - a. Change guest user initial password
 - b. Modify the service and change the password on the guest user
 - c. Re-test the service.
7. Modify logon data for related services
8. Perform a final test of the End User Logon page and related links
Optionally, modify the End User Logon screen.

NOTE

Configuration using transaction *SICF* is *cross-client* configuration.

Limitations of End User Logon

Single Sign On (SSO)

End User Logon is intended to allow users to request access to SAP Access Control without having a user ID in SAP Access Control; SSO is not supported.

MORE INFORMATION

For more information, see *SAP Note 1941578 - Support of SSO on End User Logon_Page*.

Approvers

End User Logon is not intended for any approval process. Approvers such as managers, role owners, and security administrators must have User IDs defined SAP Access Control. They can get to SAP Access Control using the NWBC UI or the ABAP GUI and SSO can be implemented.

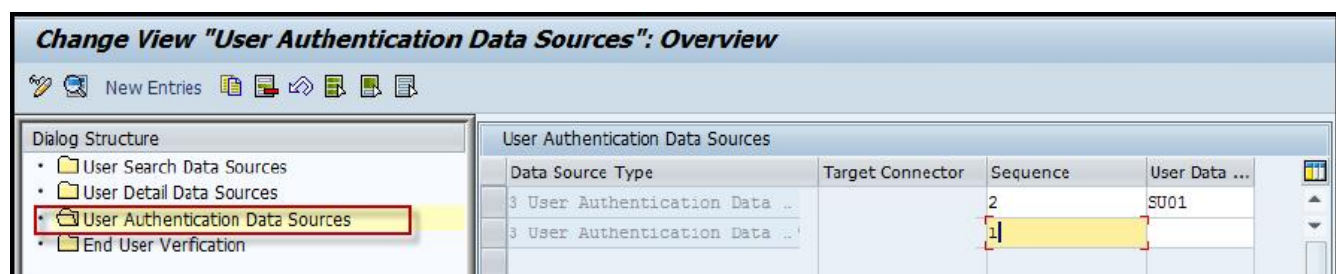
3. CONFIGURE USER AUTHENTICATION DATA SOURCE

Follow the steps below to configure user authentication data sources.

1. Access the IMG using transaction *SPRO*.
2. Follow the path *Governance Risk and Compliance* → *Access Control* → *Maintain Data Sources Configuration*.
3. Click *User Authentication Data Sources*.
4. Click *New Entries*.
5. Enter the information for your local system.
6. Click *Save*.

NOTE

This only affects authentication for the End User Logon screen.



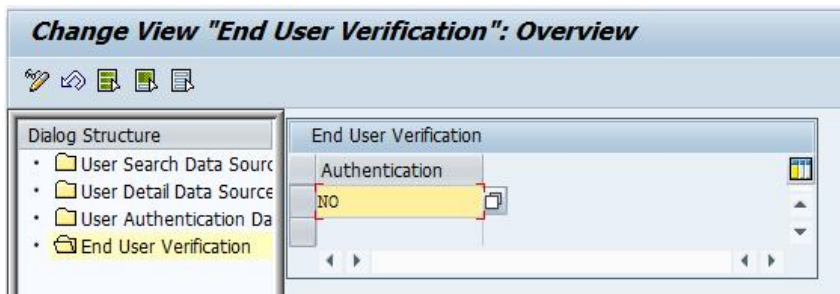
4. CONFIGURE END USER VERIFICATION

Follow the steps below to configure end user verification.

1. Access the IMG using transaction *SPRO*.
2. Follow the path *Governance Risk and Compliance* → *Access Control* → *Maintain Data Sources Configuration*.
3. Click *End User Verification*.
4. Select one of the following Authentication options:
 - a. *Yes* - user authentication is required to enter the End User Logon page
 - b. *No* - user authentication is NOT required to enter the End User Logon page (just enter a valid ID)
5. Click *Save*.

NOTE

This only affects authentication for the End User Logon screen.



5. CREATE A GUEST USER FOR SAP SERVICE

1. Use transaction *SU01 – Maintain User* to create a guest user.
It can be a *Service*, *System*, or *Communication* user.

The screenshot shows the 'Maintain User' transaction in SAP. The user 'GRC_GUEST' is selected, with a status of 'Saved' and a last change date of 03/19/2012 at 22:36:21. The 'Person' tab is active, displaying fields for Title, Last name, First name, Academic Title, Format, Function, Department, Room Number, Floor, and Building. The 'Last name' field is highlighted with a yellow box.

2. Assign the role *SAP_GRAC_END_USER*.

The screenshot shows the 'Maintain User' transaction in SAP, with the 'Roles' tab selected. The user 'GRC_GUEST' is still selected. The 'Role Assignments' table is visible, showing the role 'SAP_GRAC_END_USER' assigned to the user. The table has columns for S..., Role, Type, Valid From, Valid to, and Name.

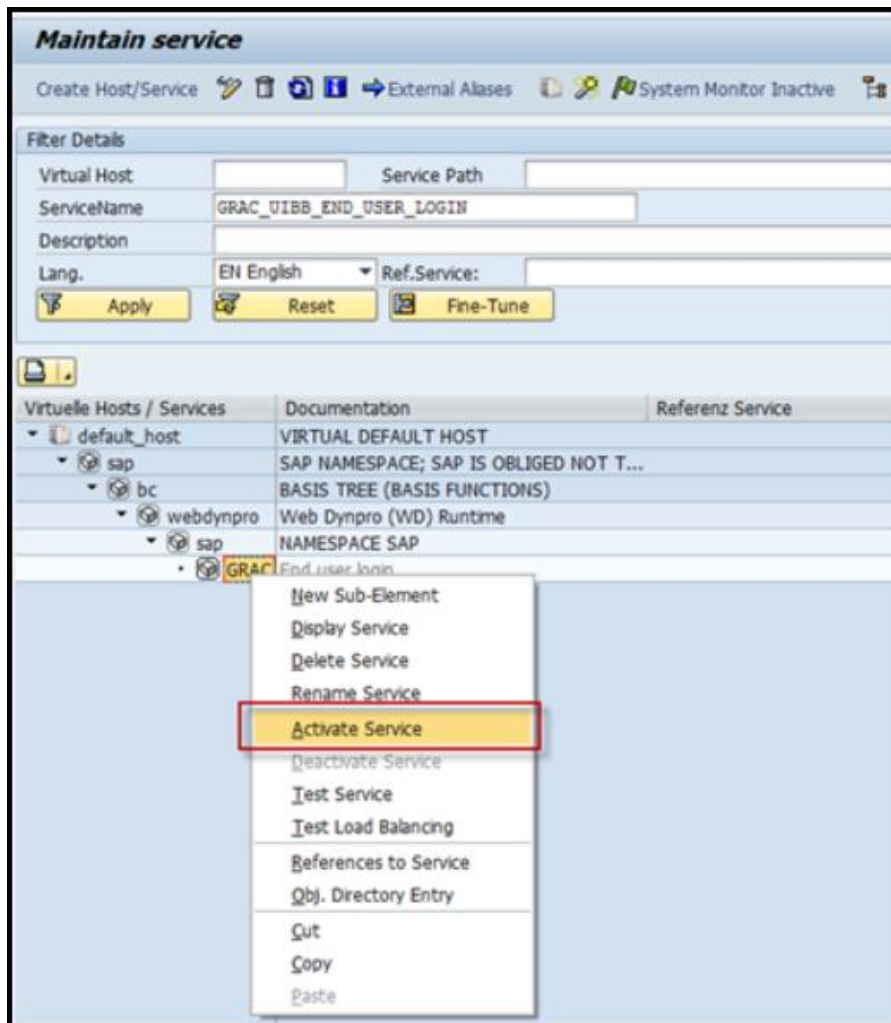
S...	Role	Type	Valid From	Valid to	Name
■	SAP_GRAC_END_USER	□	03/18/2012	12/31/9999	End User as a GRC Guest L

NOTE

If using a Communication user, be aware of any password expirations in your system.

6. ACTIVATE END USER LOGON

1. Go to transaction *SPRO* → *Governance Risk and Compliance* → *Access Control* → *User Provisioning* → *Activate End User Logon*
2. Right click on the service *GRAC_UIBB_END_USER_LOGIN* and choose *Activate Service*.
 - a. *GRAC_UIBB_END_USER_LOGIN* is specifically for the End User Logon and End User Home pages
 - b. The URL to access this page will be in the following format:
`http://<server>:<port>/sap/bc/webdynpro/sap/grac_uibb_end_user_login?sap-client=<client>`



7. MODIFY LOGON DATA INFORMATION FOR END USER LOGIN SERVICE

1. Double click on the service to open the *GRAC_UIBB_END_USER_LOGIN* service details.
2. Click the pencil icon to enter the change mode.
3. Click the *Logon Data* tab.
4. In the *Procedure* field, choose *Standard*.
5. Enter the guest user logon information including the initial password
The *Password Status* may say *INITIAL* until after the next step if you are using a Communication user.
6. Set the *Security Requirement* to *Standard*.
7. Set the *Authentication* to *Internet User*.
8. Click *Save* and attach to a transport request if requested.

NOTE

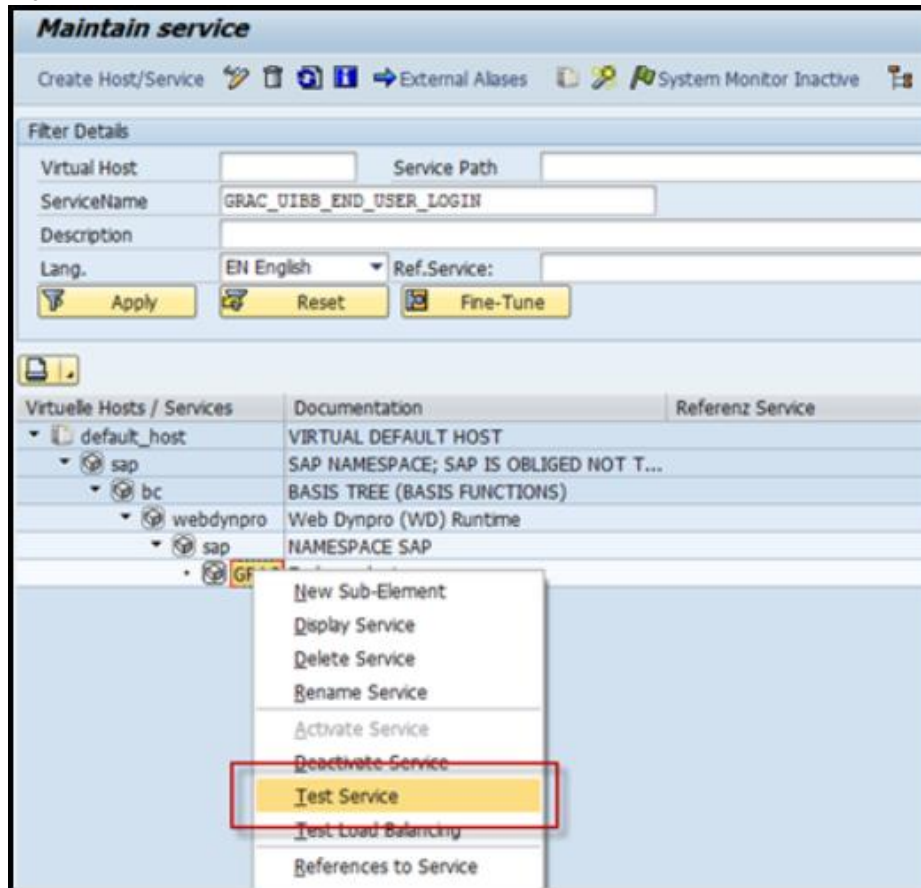
If the GRC system has multiple clients, leave the Client entry on the Logon Data tab blank and the system will use the current client that corresponds to the End User Logon page that has been accessed.

The screenshot displays the 'Create/Change a Service' interface in SAP. The service name is 'GRAC_UIBB_END_USER_LOGIN' and it is active. The 'Logon Data' tab is selected, showing the following configuration:


- Path:** /default_host/sap/bc/webdynpro/sap/
- Service Name:** GRAC_UIBB_END_USER_LOGIN
- Lang.:** EN
- Description:** End user login
- Procedure:** Standard
- Use All Logon Procedures:** ☐
- Security Session:** Unrestricted
- Logon Data:**
 - Client:** 001
 - User:** GRC_GUEST
 - Password:** [masked]
 - Language:** [dropdown]
 - Password Status:** Set
- Security Requirement:** ☒ Standard, ☐ SSL
- Authentication:** ☐ Standard SAP User, ☒ Internet User
- Reauthentication:** Deactivated system-wide: No

8. TEST SERVICE - CHANGE INITIAL PASSWORD - RE-TEST SERVICE

1. Use the back arrow to return to *Maintain Service*.
2. Right click on the *GRAC_UIBB_END_USER_LOGIN* service and select *Test Service*.



3. When prompted, change the password for the guest user.
This may not be required for SYSTEM user.



SAP NetWeaver

⚠ No switch to HTTPS occurred, so it is not secure to send a password

✅ This is an initial password that must be changed

User:

Current Password: *

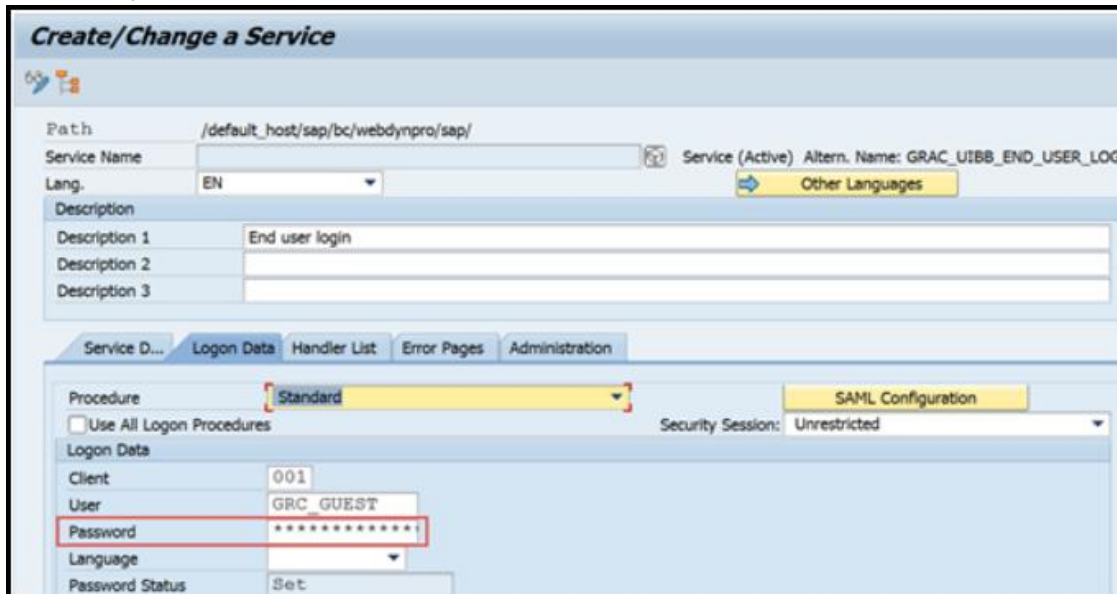
New Password: *

Repeat Password: *

☐ Client 100 - Access Control 10 Sandbox
☐ Client 400 - PC/PM 10 Sandbox

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4. Return to the *Maintain Service* screen and double click on the *GRAC_UIBB_END_USER_LOGIN* service to open the details.
5. Click the pencil icon to enter change mode.
6. Click the *Logon Data* tab and enter the new password.



Create/Change a Service

Path: /default_host/sap/bc/webdynpro/sap/

Service Name: Service (Active) Altern. Name: GRAC_UIBB_END_USER_LOGIN

Lang.: EN

Description

Description 1: End user login

Description 2:

Description 3:

Service D... Logon Data Handler List Error Pages Administration

Procedure:

☐ Use All Logon Procedures Security Session: Unrestricted

Logon Data

Client: 001

User: GRC_GUEST

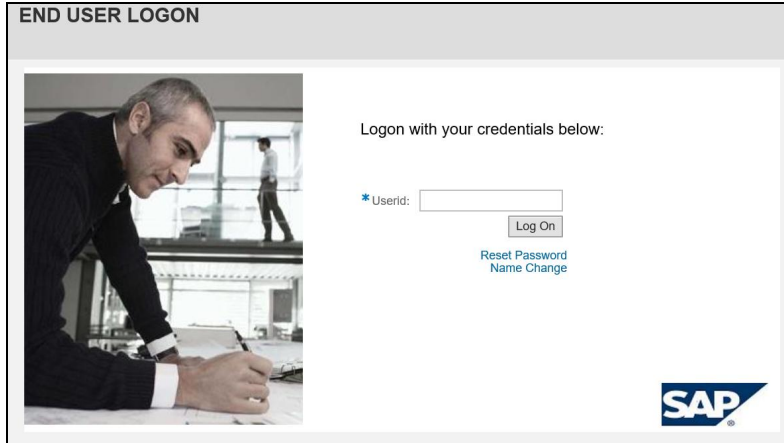
Password:

Language:

Password Status: Set

7. Click Save

8. Test the service again to access the End User Logon page.



- a. If authentication is set to NO, enter an ID that has been synchronized to the GRC system.
- b. If authentication is set to YES, use a valid ID and password from the authentication source. This should open the End User Home page.



9. If the GRC system has multiple clients, leave the *Client* entry on the *Logon Data* tab blank. The system will use the client that corresponds to the End User Logon page being accessed.

NOTE

If you are using a NetWeaver Logon screen and a request for User ID and Password appears during re-testing of the service, review the information entered on the *Logon Data* tab for accuracy

9. MODIFY LOGON DATA FOR RELATED SERVICES

1. Use transaction *SICF- Maintain Services* to modify logon data for related services for the End User Logon scenario.
2. Click *Execute*.

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type: SERVICE

Virtual Host:

Service Path:

Service Name:

Reference Service:

Description:

Language: EN English

Filter for Detail Information

Created By:

Created On: to

Last Changed By:

Changed On: to

3. On the next screen, enter each of the delivered services in *Service Name* field on the *Maintain Services* screen.
(See the Delivered Services for the End User Home Page section below for a complete list of delivered services.)

Maintain service

Create Host/Service External Aliases System Monitor Inactive

Filter Details

Virtual Host: Service Path:

ServiceName: GRAC_OIF_MY_PROFILE_EU

Description:

Lang: EN English Ref.Service:

Apply Reset Fine-Tune

Apply Filter

Virtual Hosts / Services	Documentation	Referenz Service
default_host	VIRTUAL DEFAULT HOST	
sap	SAP NAMESPACE; SAP IS OBLIGED NOT T...	
bc	BASIS TREE (BASIS FUNCTIONS)	
webdynpro	Web Dynpro (WD) Runtime	
sap	NAMESPACE SAP	
* GRAC, My profile end user application		

4. Click *Apply*. The individual Service displays in the detail section of the screen.

5. Double click the service, then click the pencil icon to enter change mode.

Create/Change a Service

Path: /default_host/sap/bc/webdynpro/sap/

Service Name: [] Service (Active) Altern. Name: GRAC_OBP_MY_PROFILE_EU

Lang: EN [] Other Languages

Description

Description 1: My Profile Application

Description 2: []

Description 3: []

Service D... **Logon Data** Handler List Error Pages Administration

Procedure: Standard [] SAML Configuration

☐ Use All Logon Procedures Security Session: Unrestricted

Logon Data

Client: 001

User: GRG_GUEST

Language: []

Password Status: Set

Security Requirement

☒ Standard ☐ SSL

Authentication

☐ Standard SAP User ☒ Internet User

Reauthentication

Deactivated system-wide: No

6. Enter the guest user logon information (exactly the same user ID and password information used on the GRAC_UIBB_END_USER_LOGIN service previously)
7. Set the *Security Requirement* to *Standard*.
8. Set the *Authentication* to *Internet User*.
9. Click *Save* and attach to a transport request, if required.

Delivered Services for the End User Home Page

Below is a full list of services for the delivered End User Home page. Each service must have the guest user logon information entered on the *Logon Data* tab. Each service relates to a specific Quick Link either on the End User Home page or in the header of the request entry screen. The services ending in *EU* are specifically for the Quick Links from the End User Home page.

NOTE

If the GRC system has multiple clients, leave the Client entry on the *Logon Data* tab blank and the system will use the client that corresponds to the End User Logon page being accessed.

The services are located in the tree under default host/sap/bc/webdynpro/sap

SERVICE	DESCRIPTION
GRAC_GAF_ACCREQ_WITH_REQREF_EU	For Access Request Creation, Copy Request Quick Link
GRAC_GAF_ACCREQ_WITH_TEMPL_EU	For Access Request Creation, Template Based Request Quick Link
GRAC_GAF_ACCREQ_WITH_USEREF_EU	For Access Request Creation, Model User Quick Link
GRAC_GAF_NAME_CHANGE_SERV_EU	For My Profile, Name Change Quick Link
GRAC_GAF_PWD_SELFERVICE_EU	For My Profile, Password Self-Service Quick Link
GRAC_OIF_MY_PROFILE_EU	For My Profile, My Profile Quick Link
GRAC_OIF_REQUEST_APPROVAL_EU	To display request approvals of a request
GRAC_OIF_REQUEST_SUBMISSION_EU	For Access Request Creation, Access Requests Quick Link
GRAC_OIF_USER_DETAILS	For Requestor Quick Link contained on request entry screen. NOTE This service is not specific to the End User logon page. SAP may provide a new service in a subsequent support pack to eliminate any possible security exposure risk by using the guest logon user.
GRAC_OIF_USER_REGISTER_EU	For My Profile, Register Self-Service Questions Quick Link
GRAC_POWL_REQUEST_STATUS_EU	For My Profile, Request Status Quick Link
GRAC_ROLE_DISPLAY_EU	To display roles from a request
GRAC_UIBB_END_USER_LOGIN	To access the initial End User Logon page
GRAC_UIBB_PROV_LOG_EU	To display the provisioning logs of a request
GRFN_MSMP_INST_STATUS_EU	To display the workflow status
WDHC_HELP_CENTER	To access the Help Center Quick Link See <i>SAP Note 1944999</i>

NOTE

If the network environment is authenticating via LDAP for accessing any URLs, these services should have their *Procedure* set to *Required with Logon Data*. This is necessary if the ID in the Logon Data does not exist in the LDAP environment.

10. FINAL TEST - END USER LOGON PAGE

1. Execute transaction *SICF – Maintain Services*
2. Search for service *GRAC_UIBB_END_USER_LOGIN* (or access it using the IMG activity as described above in section *Activate End User Logon*).

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type: SERVICE

Virtual Host:

Service Path:

Service Name: **GRAC_UIBB_END_USER_LOGIN**

Reference Service:

Description:

Language: EN English

Filter for Detail Information

Created By:

Created On:

Last Changed By:

Changed On:

3. Right click on the service and select *Test Service*.

Maintain service

Create Host/Service External Aliases System Monitor Inactive

Filter Details

Virtual Host:

Service Path:

ServiceName: **GRAC_UIBB_END_USER_LOGIN**

Description:

Lang: EN English Ref.Service:

Apply Reset Fine-Tune

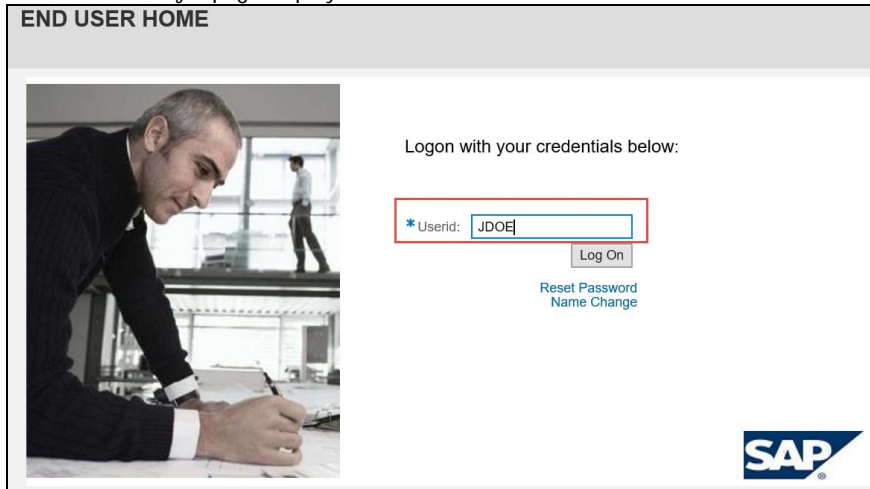
Viruelle Hosts / Services

Viruelle Hosts / Services	Documentation	Referenz Service
default_host	VIRTUAL DEFAULT HOST	
sap	SAP NAMESPACE; SAP IS OBLIGED NOT T...	
bc	BASIS TREE (BASIS FUNCTIONS)	
webdynpro	Web Dynpro (WD) Runtime	
sap	NAMESPACE SAP	
GRAC_UIBB_END_USER_LOGIN	End user login	

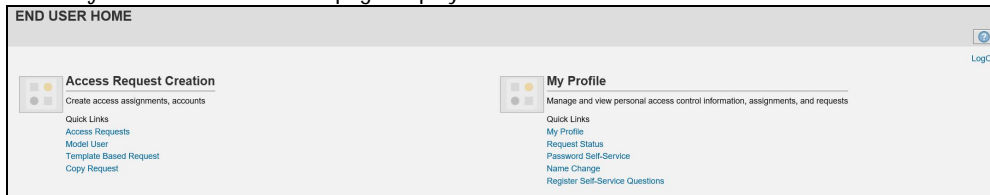
Context Menu:

- New Sub-Element
- Display Service
- Delete Service
- Rename Service
- Activate Service
- Deactivate Service
- Test Service**
- Test Load Balancing
- References to Service
- Obj. Directory Entry
- Cut
- Copy
- Paste

4. The *End User Logon* page displays.



- a. If authentication is set to *NO*, enter an ID that has been synchronized to the GRC system.
b. If authentication is set to *YES*, use a valid ID and password from the authentication source.
5. Click *Logon*. The *End User Home* page displays.



6. Click each Quick Link to verify that the service opens correctly.
- a. Be sure to test the quick link for *Requestor* in upper left corner of the screen on the *Access Request Creation* service.

NOTE

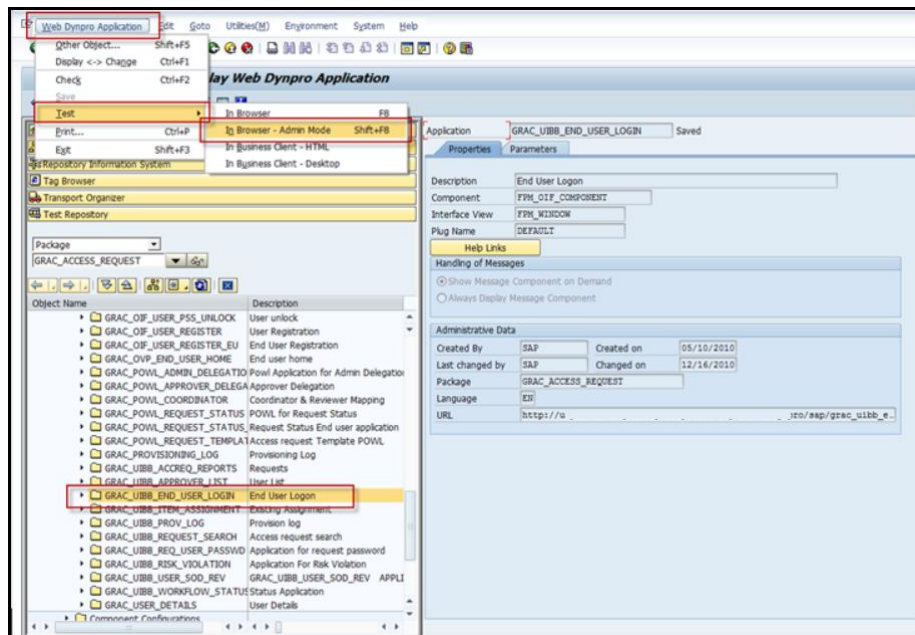
If you are using a NetWeaver Logon screen and a request for User ID and Password appears during re-testing of the service, review the information entered on the *Logon Data* tab for accuracy.

11. HIDE AND UNHIDE LINKS ON END USER HOME PAGE

Enter the end user home page in administrator mode. This can be accomplished in 2 ways.

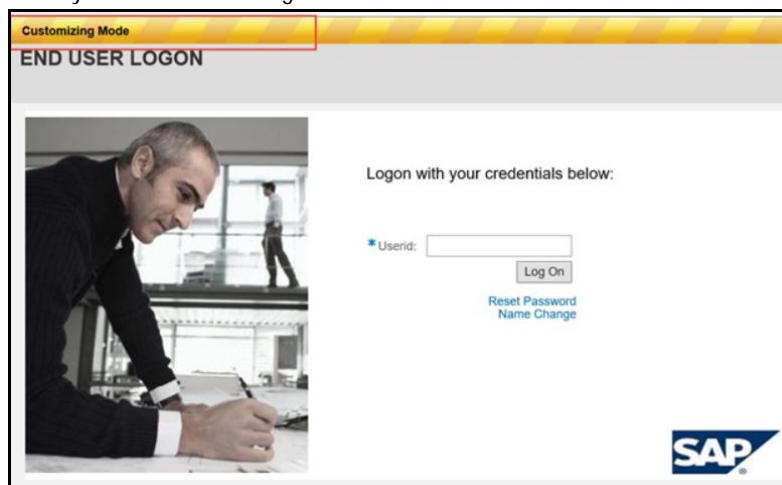
Use Object Navigator

1. Execute transaction *SE80 – Object Navigator*.
2. Select the package *GRAC_ACCESS_REQUEST*.
3. Drill down to *Web Dynpro*.
4. Drill down to *Web Dynpro Applications*.
5. Double click at application 'GRAC_UIBB_END_USER_LOGIN'.
6. From the Top menu click at 'Web Dynpro Application'.
7. Select Test, and then select In Browser Admin Mode.



The End-User Logon has opened in Admin Mode.

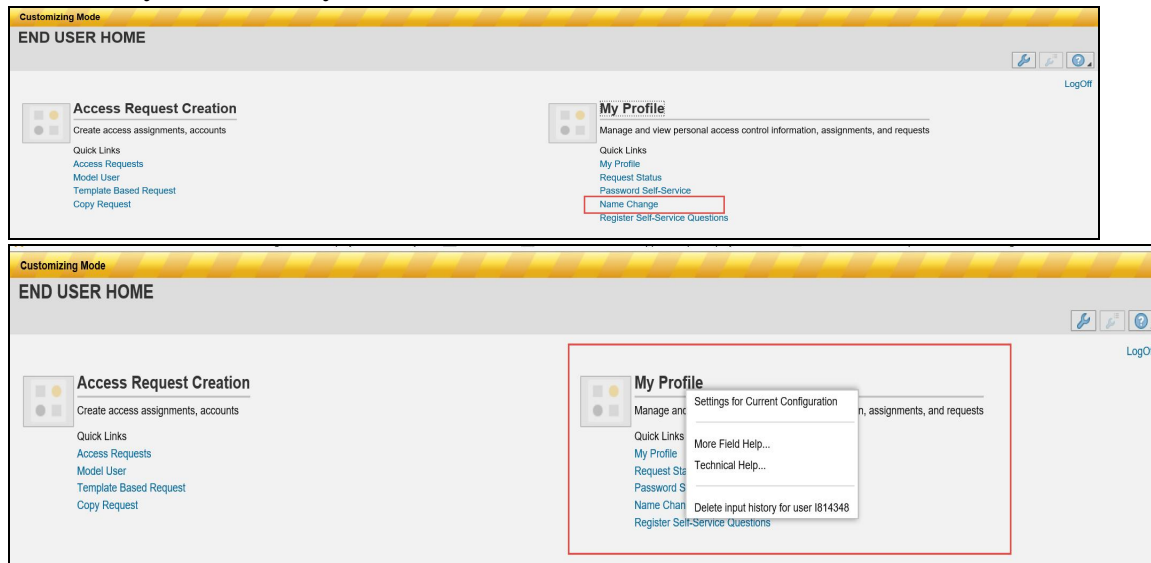
8. Enter your User ID and login.



Use Maintain Services

When using this scenario, the Guest User ID must allow changes to WebDynpro screens. The addition of SAP_ALL profile will allow this access. If you are working in a production client, logon with your own User ID; do not logon with the Guest User ID. Remove the SAP_ALL profile once your changes are completed.

1. Execute transaction *SICF – Maintain Services*.
2. Search for service *GRAC_UIBB_END_USER_LOGIN*.
3. Right click on the service and *GRAC_UIBB_END_USER_LOGIN* select *Test Service*.
4. The End User Logon screen displays.
5. Add the suffix *&sap-config-mode=x* to the end of the URL.
 - a. This makes the URL similar to *http://<server>:<port>/sap/bc/webdynpro/sap/grac ui bb end user login?sap-client=<client>&sap-config-mode=x*.
6. Click *Enter*.
7. Enter the *User ID*.
8. The screen opens in Admin mode. This can be verified by a right click on the *End User Home* title. The menu should contain *Settings for Current Configuration*.

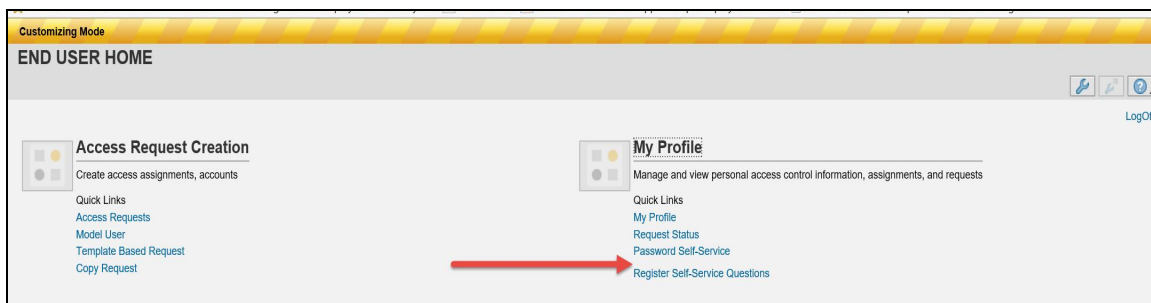


To Maintain Existing Links

1. Right click on the header and select *Settings for Current Configuration*.
2. A popup screen displays with the UI element tree showing.
3. Select the entry that you want to modify, for example, *Name Change*.
4. To hide this entry, click *Invisible* in the *Visibility* section. To show the entry, click *Not Personalized*.

NOTE

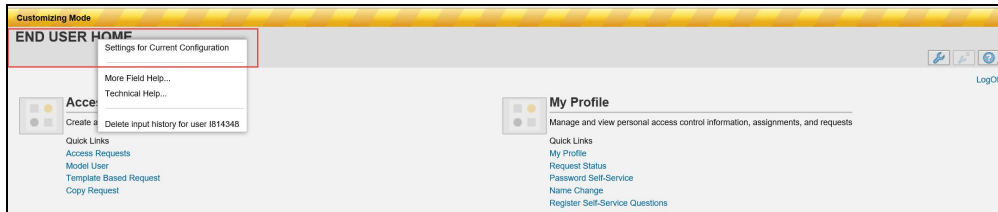
If you enable the *FINAL* attribute, the user cannot show this entry on their own personalized screen. If you do not enable the *FINAL* attribute, the user can right click on their screen and show invisible objects.



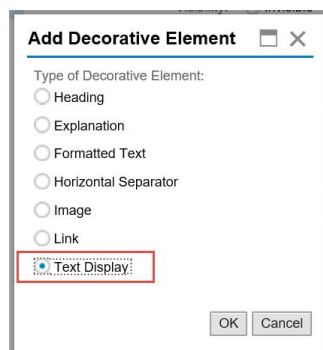
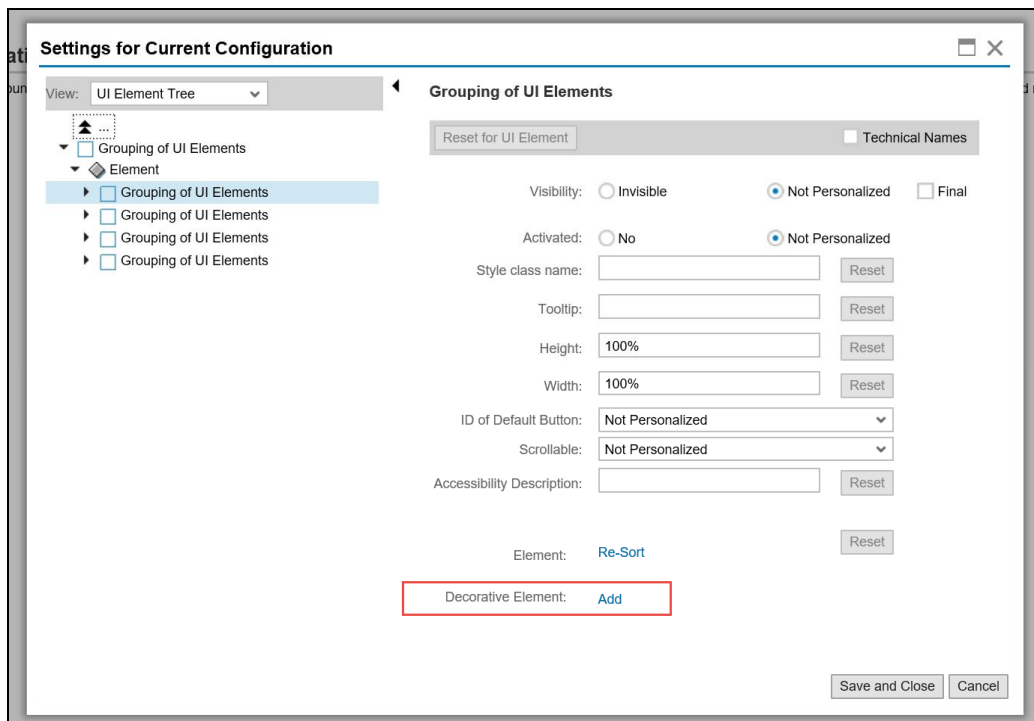
12. ADD DECORATIVE ELEMENTS TO END USER HOME SCREEN

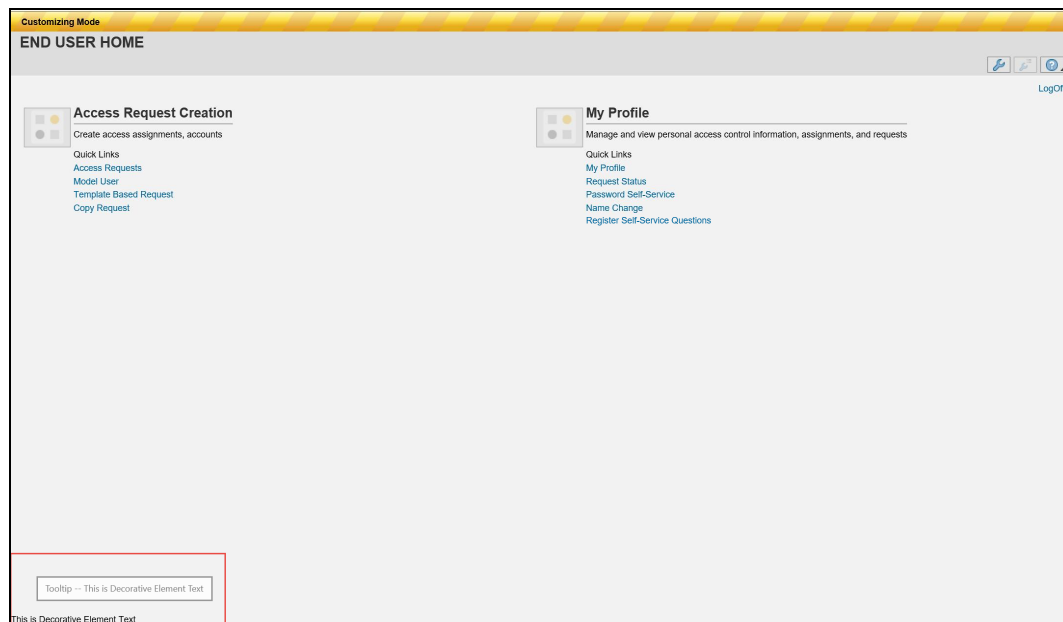
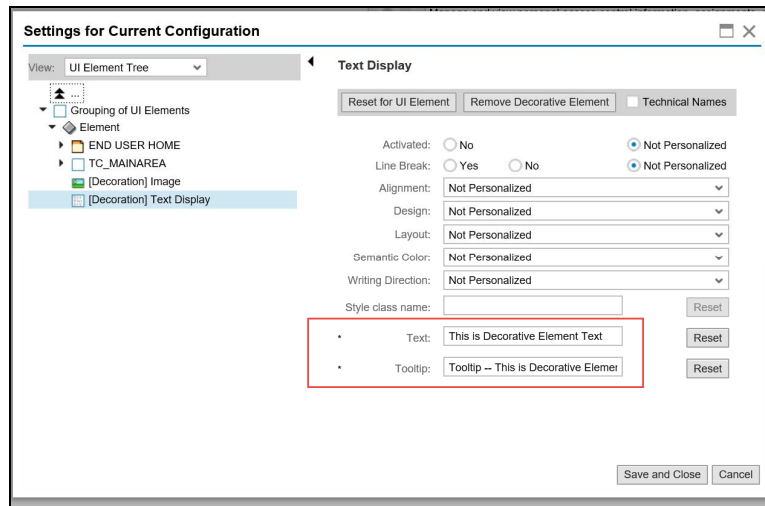
You can add decorative elements such as a customized text message. To do this, access the End User Home screen in Administrative mode:

1. Right click on the *End User Home* title.
2. Click *Settings for Current Configuration*.



3. Click *Add link for Decorative Element*.
4. Select the element to add.





13. REFERENCES

Additional information can be obtained from the following SAP Notes:

- Note 1628387 - UAM: End User Logon application requires re-logon (SP06)
- Note 1599247 - Hide Fields from the End User Logon Page (Instructional information)
- Note 1604983 - Add a custom message on the End user Login Screen (Instructional information)
- Note 1692504 - UAM: End User Applications in request status require re-logon (SP09)
- Note 1713873 - UAM: Role name link in role search require relogin (SP09)
- Note 1856710 - UAM: Multiple role display screens on role name hyperlink (SP13)



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