

Login with HANA users

In order to login to the Controller with a HANA user, you need to assign a preconfigured "Role Collection" to the HANA user, first. Currently, this has to be done manually using HANA Studio:

Role Collections For HANA Controller Users

Depending on the priviledges to be granted, add the following role collection in HANA Studio (need newer version > 2.0, tab User Parameters):

Parameter	Value	Controller Scopes	Remarks
XS_RC_XS_CONTROLLER_ADMIN	XS_CONTROLLER_ADMIN	cloud_controller.{admin,write,read}	An admin user which has no access restrictions
XS_RC_XS_CONTROLLER_USER	XS_CONTROLLER_USER	cloud_controller.{write,read}	A controller user which is able to modify within its assigned org or space (Controller role needs to be added)
XS_RC_XS_CONTROLLER_AUDITOR	XS_CONTROLLER_AUDITOR	cloud_controller.read	A controller user which is able to read within its assigned org or space (Controller role needs to be added)

Implications:

- Users having XS_CONTROLLER_ADMIN have access rights to all resources of the Controller. No additional controller roles need to be assigned.
- Users only having XS_CONTROLLER_USER or XS_CONTROLLER_AUDITOR are restricted users. Therefore, you have to grant a set of permissions by adding "Controller User Roles", first (see next paragraph).

Assigning role collections to HANA users can also be accomplished in the **Admin UI** ([XS Advanced Administration and Monitoring Tools => User Management](#))

Controller User Roles

Having XS_CONTROLLER_USER or XS_CONTROLLER_AUDITOR role collection still does not grant access to any resource in Controller. You have to assign a set of Controller User Roles, first:

Available Controller User Roles

Role or scope	Permissions
OrgManager	<ul style="list-style-type: none">• manages spaces• manages roles (also in spaces)• manages domains• view org (plus it's spaces)
OrgAuditor	<ul style="list-style-type: none">• view org (plus it's spaces, no credentials since SPS12)
SpaceManager	<ul style="list-style-type: none">• manages space roles• view space
SpaceDeveloper	<ul style="list-style-type: none">• manages apps, services, routes etc.• view space
SpaceAuditor	<ul style="list-style-type: none">• view space (nocredentials since SPS12)

Possible Controller User Roles

XSA Role Collection	Possible Controller Roles
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XS_CONTROLLER_USER	<ul style="list-style-type: none"> • OrgManager • OrgAuditor • SpaceManager • SpaceDeveloper • SpaceAuditor
XS_CONTROLLER_AUDITOR	<ul style="list-style-type: none"> • OrgAuditor • SpaceAuditor

Granting Controller User Roles

Granting a user a specific role in the Controller can be accomplished by using the `xs` command line client:

```
xs set-org-role <user> <org> <OrgManager | OrgAuditor>
```

resp.

```
xs set-space-role <user> <org> <space> <SpaceManager | SpaceDeveloper | SpaceAuditor>
```

Note, that the first role-grant has to be performed by an admin user.

Granting Controller roles can also be accomplished in the **Admin UI** ([XS Advanced Administration and Monitoring Tools => Organization and Space Management](#))

Controller Login

To login as a Controller-enabled HANA user, just use the `xs` client login command:

```
xs login -u <user>
```

Changing the initial password

In case you login with a newly created HANA user, you'll get the following error message:

```
Authentication failed: SAP DBTech JDBC: [414]: user is forced to change password:
alter password required for user RESTRICTED
```

This is because HANA does not allow user access with the initial password. Unfortunately, the `xs` client does not provide a method to change the password. Therefore, please change the initial password:

- either in HANA Studio
- or navigate to the UAA login page once before logging in to the XS Controller.

```
https://<hostname>:3<xx>32/uaa-security/login
```

where:

- `<hostname>` is the host the Controller is running
- `<xx>` is your HANA instance number

Once you login with the username and the initial password, you will be asked to change the PW.

