Configuring the Colleague UniData Environment For LYNX

The first step of the integration process of LYNX for Colleague UniData is to prepare your Colleague environment. This will ensure that CollegeNET's interfacing application can connect to your database and populate the LYNX history tables created in the following step.

Technical Requirements

- Colleague Release 18 + - Data transactions (2002)
- Colleague App Listener (DMI updates)

Colleague Deployment

> See pages **61-65** of "Updating Colleague Software (Release 18)" if you are unsure of how to perform steps 3-5 of the following section. This file can be found in the Ellucian documentation *(Ellucian sign-in required)*.

1. Find the CNColleagueLYNXLink_v4.zip folder you downloaded earlier.

2. Copy the following subdirectory (contains the Colleague Package) to your Colleague application server:

   - ./Colleague_Package/G78_X25.LIVE.DATA.EXC_JT3_002/

3. Log in to Colleague as an administrative user.

4. Within the CPIE form, import the package contents into your Local Product Repository (LPR).
   1. Package Name: **G78_X25.LIVE.DATA.EXC_JT3**
   2. Package ID: **G78_X25.LIVE.DATA.EXC_JT3*002**

5. Use the process to apply the update to Colleague to import the package contents (*just like a normal Ellucian update*).

6. Within the MSUG form, install the package from your LPR to the Colleague environment of your choice.

Once installed, the Colleague data contract *(X.25LIVE.DATA.EXCHANGE.TRN)* will be used by CNColleagueLYNXLink.exe to sync data between Colleague and LYNX.

Configure Colleague Service User Account

This integration requires a service user account that connects through a DMI session of a Colleague application listener. It does not need access to any Colleague screens or forms.

Create a user with the following characteristics:

- a DRUS record
- a SOD record

- security class 'DMI_REG_GUEST'

For more information about the specific Data File, Fields and level of access needed, see Mapped Fields in Colleague UniData for LYNX.

After setting up the user, try signing in to Colleague Self-Service (or WebAdvisor) to confirm that the credentials are working and the user has the ability to login.

> ℹ️ **For LDAP Users**
>
> This integration uses the web user credentials rather than the 'database' user.
>
> Check to see if your Colleague APP-Listener is set up to use LDAP instead of native Colleague authentication. If it does use LDAP, you **will want to reset the credentials** of the Service Account in your contact directory for it to properly authenticate.

Confirm VOC Record is Created For S.GRAS

According to an Ellucian Change Request, there can be an issue where no VOC record exists for S.GRAS. You will likely encounter this error while operating LYNX unless you have already addressed the root cause. This issue is not unique to LYNX, so it is possible that it has already been fixed in your environment. If you aren't sure, then there's no harm in applying the solution again.

> ⚠️ **Error When No VOC Record Exists For S.GRAS**
>
> A cataloging error will be encountered when attempting to fetch COURSE.SEC.MEETING data from UniData.
>
> Sending : GetData^18818^MEETINGS
> Sending Request : 2025-10-22 13:13:35
> Error Subset Found: Server error-00302-The server was unable to process your request. This may be due to a cataloging problem. Please contact your system administrator.

To prevent errors, follow the steps provided in the workaround noted by Ellucian Customer Center #000029289. To perform these steps, you will need to create an Envision terminal session for each Colleague environment you have.

1. Create Envision Terminal session to Colleague environment

2. Enter the following command, AE VOC S_GRAS
   You will see the following output, Top of "S_GRAS" in "VOC", 2 lines, 24 characters.

3. Enter the following command "P"
   You will see the following output
   - 001: C
     002: UT.SUBROUTINES/_S_GRAS
     Bottom.

4. Enter the following command SAVE S.GRAS
   If successful, you should see the following output, Record "S.GRAS" saved in "VOC".

If steps 2 - 4 have been done correctly, you should see this:

```
:AE VOC S_GRAS
Top of "S_GRAS" in "VOC", 2 lines, 24 characters.
*--: P
001: C
002: UT.SUBROUTINES/_S_GRAS
Bottom.
*--: SAVE S.GRAS
Record "S.GRAS" saved in "VOC".
```

Adjust DMI Timeout Defaults (Optional)

This optional step is for institutions with very large data sets. Most customers will not need to update the DMI Timeout default for the application listener that will be used. However, you may want to consider adjusting these settings if a timeout is encountered during one of the initial sync processes while testing.

> ℹ️ Restarting the Colleague application listener(s) will disrupt any active connections to Colleague, so it's best to perform this step during a maintenance period.

1. Log into Colleague's SA_VALET

2. Navigate to the DMI defaults

3. Adjust Timeout settings if needed
    - Set thread timeout to 600
    - Set web executable timeout to 1200

4. Perform a hard restart on app listeners to adjust timeout settings