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# Banner Student Release Guide

Release 8.7.2  
January 2015



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## Revision History

<b>Publication Date</b>	<b>Summary</b>
January 2015	New version that supports Banner Student 8.7.2 software.

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# eTranscripts Updates

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This release guide documents Release 8.7.2 of Banner® Student. This release contains updates to Banner eTranscripts functionality. These updates are associated with the eTranscripts 1.1 release.

## Ellucian Cloud configuration

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These instructions have been updated since the Banner Student 8.6.2 release and the Banner Student 8.7 release. Step 3 has changed.

Your institution must complete the following tasks to configure the Ellucian Cloud.

1. Deploy the WAR file to a server that allows network access between the Ellucian Cloud server and the Banner eTranscripts API server.
2. Make the APIs accessible through a range of pre-defined transmission ports.  
Available ports are 80, 443, and 8100-8199.
3. If your server is behind a firewall, ensure that you modify your firewall rules to allow transactions from the following public IPs for the Ellucian Cloud:
  - 149.24.139.255
  - 54.164.111.202
  - 54.164.84.184
4. Request a login to the Ellucian Cloud by submitting an eTranscripts Cloud Enablement Form to [actionline@ellucian.com](mailto:actionline@ellucian.com).  
Ellucian will issue a login and password to the administrator.
5. Complete the registration setup in the Ellucian Cloud.
6. Use the two available Ellucian Cloud servers, production or test.

## ETRANSCRIPT user

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The `create_etranscript_user.sql` script is delivered to create the ETRANSCRIPT user value as seed data during the upgrade process. This user value is required. It is used to ensure proper results when the eTranscript Export Process (SHRETRN) and the Academic Transcript (SHRTRTC) are run.

This script should be run by a user with either a BANSECR or SYSTEM user account. This type of user has the necessary permissions to create other users. The script prompts the user for a password that can be entered during the process.



**Warning!** The `create_etranscript_user.sql` script should only be run for new installations of eTranscripts. If you are performing an upgrade, do not run this script.

This user is assigned privileges for `BAN_DEFAULT_M` and `BAN_DEFAULT_Q` security. This replaces the original need to create the `ETRANSCRIPT` user at your institution and allows you to log in to Banner and change the address type and priority defaults for the eTranscript Export Process (`SHRETRN`) and the Academic Transcript Process (`SHRTRTC`), so those values are valid for your institution. The `ETRANSCRIPT` value is hardcoded in the `SHKEBLD` package.

You can define user default job submission parameters on the Default Parameter Value Validations Form (`GJAPDFT`) for the `ETRANSCRIPT` user. When the `shkeblid.p_call_process` is called, it inserts job submission parameters in `GJBPDFT` with the `ETRANSCRIPT` value. This value is then used to find the default values for `SHRETRN` and `SHRTRTC`.



**Note:** It is recommended that the Print Expanded Address parameter for `SHRTRTC` be set to a value of 40 or greater. The vendor order page allows students to enter 40 characters in each address line.

Default values cannot be overridden by a user when processes are run using queues. You should not change the defaults directly in the database, or the automated output generation processes could fail.

## EDI format

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eTranscripts Release 1.1 supports the EDI TS130 format when run in conjunction with the Banner Student 8.7.2 release. EDI output is generated by taking the PESC standard XML output and translating the XML to EDI. The translation of this data follows the PESC XML to TS130 EDI standards. More information about the translation and standards can be found on the PESC website.



**Note:** Check with your vendor on the availability of this option.

To use eTranscripts EDI functionality, you will need to map the XML values in the EDI Cross-Reference Rules Form (`SOAXREF`). As the XML source is translated to EDI by the eTranscripts process, be sure to map the XML values and not the EDI values.

See the "XML Transcript Processing" section in the "Academic History" chapter of the *Banner Student User Guide* for more information on using `SOAXREF` values with XML and EDI transcripts.

## SHAETAD

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A new field has been added to the eTranscript Administrator Configuration Form (SHAETAD). The **Remote Directory** field is used as a destination folder for eTranscripts. For example, `Inbox` will become `Inbox/YourInstitution`. The field is populated by the `SHBTETC_REMOTE_DIRECTORY` column. This table column was delivered with Banner Student 8.6.2.



**Note:** This field is used when eTranscripts are processed through Parchment.

Here is an update for using the **SSH Directory** field. When an ending slash is missing in the **SSH Directory** field value, the SFTP process for SHRETRN will fail. You must open the `.log` file for the specific SHRETRN job to find the error. Be sure to add the ending slash to the value in the field to avoid this error. Also be sure that the correct ending slash is used, `/` for Linux or `\` for Windows, depending on the platform on which the job submission server is running.

## SHRTETC

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In the Delivery Types block, the field value for `Paper` in the pulldown lists for the **PESC Format** field and the **Banner Output Type** field was hardcoded. Now the value has been updated for international use.

In the Transcript Types block, the **Description** field has been added to go with the **Banner Transcript Type** field.

## GPA calculation and quality points

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eTranscripts PDF files use the rules on the GPA Display Rules Form (SHAGPAR) to determine whether GPAs and quality points should be truncated or rounded. Previously, the GPAs and quality points were only rounded. Now truncated GPAs and quality points can be used for institutions that prefer that option.

The numeric format mask has been removed from the `shretrn_template.xml` file to support this change. This allows the SHAGPAR rules to control the GPA format. While you can copy the delivered `shretrn_template.xml` file and customize it at your institution, be aware that if the formatting for GPA and Quality Points is added, this will override the controls from SHAGPAR.

## Changed packages

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The following packages have been changed for this release.

### SHKEBLD/SHKEBL1

This package has been modified to support Banner eTranscripts EDI file generation.

### SHKEORS/SHKEORS1

This following changes have been made to this package.

- A new `p_validate` procedure has been added. This procedure returns a value of TRUE when a student has either courses in academic history or in-progress courses. If the validation fails, the eTranscripts process is terminated, and no transcript is generated.
- The `p_waitg_grades` procedure has been modified to ignore dropped or withdrawn courses.

### SHKETRN/SHKETRN1

Multiple changes have been made to this package.

- A `p_format_value` procedure has been added to support the format of GPA and quality points in user-defined extensions.
- A `p_resend EDI` procedure has been added.
- A `p_acsess_acsum_elmnt_x` procedure has been added.
- The `p_acsess_acsum_element` procedure has been modified to use the SHAGPAR controls for GPA and Quality Points formatting (rounding and truncation).
- The `p_acrec_acsum_elmnt_x` procedure has been added.
- The `p_acrec_acsum_element` procedure has been modified to use the SHAGPAR controls for GPA and Quality Points formatting (rounding and truncation).
- The `p_acaward_acsum_degr_elmnt_x` procedure has been added.
- The `p_acaward_acsum_degr_element` procedure has been modified to use the SHAGPAR controls for GPA and Quality Points formatting (rounding and truncation).
- The `p_acrec_inst_course_elmnt_x` procedure has been added.
- The `p_acrec_inst_course_element` procedure has been modified to use the SHAGPAR controls for GPA and Quality Points formatting (rounding and truncation).
- The `p_acrec_trans_course_elmnt_x` procedure has been added.

- The `p_acrec_trans_course_element` procedure has been modified to use the SHAGPAR controls for GPA and Quality Points formatting (rounding and truncation).
- The `f_earned_hours` function has been added.



# Resolutions

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The *Banner Student Resolutions Report 8.7.2* is a companion to this release guide. The Resolutions Report provides summary information about the change requests that are resolved in Banner Student 8.7.2. Use the following steps to access the Resolutions Report on the Ellucian Support Center:

1. Go to the Ellucian Client Support web site: <http://www.ellucian.com/Solutions/Ellucian-Client-Support>.
  2. Click the **Ellucian Hub** button to log in to the Ellucian Hub.
  3. Choose the Ellucian Download Center application.
- or
- Choose the Ellucian Support Center application.