

# Old Process for Sending Account Expiry Notification Emails

**NOTE:** The process was an application, written in C#, which was run daily out of AppWorx. Because we were unable to locate the original source code, the description below was written based on a version of the code that was obtained by decompiling the executable that had been in use in production. Please note that this process was decommissioned on Monday, December 4, 2017 (CM37964-33898) and replaced by a new process that is part of TEIS.

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    - Primary Role: Alumni
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        - Final Notice
      - Secondary Role: NTU, TUR, TUH, TVF, or None (not specified)
        - First Notice
        - Final Notice
      - Secondary Role: TUJ
        - First Notice
        - Final Notice

## Outline of TempleNotificationEmailerEngine Steps

1. Set values of two date variables to use for comparison against account deactivation date of users for both the first and final expiry notices (currently these dates are set to current date plus 30 days and current date plus 15 days, respectively).
2. Retrieve the email address to send mail from and the email address to bcc on all sent emails from the application's configuration file (values currently defined in this file are as follows).
  - From Email Address: [noreply@temple.edu](mailto:noreply@temple.edu)
  - BCC Email Address: [acctnmgr@temple.edu](mailto:acctnmgr@temple.edu)
3. Connect to the PostgreSQL database, ldap\_backend, and query the ssn2tunic table for account data (selected data and conditions are as follows).
  - Columns selected from ssn2tunic:
    - tunic
    - ssn (i.e. TUID)
    - deactivation\_date
    - first\_notice
    - final\_notice
    - DATE(deactivation\_date) – DATE(now()) AS intDays
  - Query conditions:
    - The deactivation date is not blank or null
    - Either of the following conditions is met:
      - The first notice flag is not blank or null and the deactivation date is less than or equal to 30 days from the current date
      - The final notice flag is not blank or null and the deactivation date is less than or equal to 15 days from the current date.
4. For each record returned from the ldap\_backend database:
  - a. Connect to LDAP, and retrieve account data for the currently selected TUID (specific LDAP filter and the attributes selected are as follows).
    - LDAP filter:
      - (templeEduTUID=<TUID>)
    - Attributes selected:
      - cn
      - uid
      - eduPersonPrimaryAffiliation
      - eduPersonAffiliation
      - templeEduPriorAffiliation
      - mail
      - templeEduMailDrop

- b. Check to see value of attribute eduPersonPrimaryAffiliation
  - a. If eduPersonPrimaryAffiliation equals student:
    - i. Throw an exception stating, "An active student has an expiration date. TUID: " + <TUID>
  - b. If eduPersonPrimaryAffiliation equals employee:
    - i. Throw an exception stating, "An active employee has an expiration date. TUID: " + <TUID>
  - c. If eduPersonPrimaryAffiliation equals alumni:
    - i. Select all data from the Oracle table, temple\_teis\_user.email\_notif\_mail\_types, for the row where the column containing the primary affiliation is equal to alumni (names of data elements returned and explanations of each can be found in the next subsection of this document).
    - ii. Check whether or not the flag, first\_notice, which was returned from the PostgreSQL ssn2tunic table, equals 'Y' or the deactivation\_date, which was also returned from the PostgreSQL ssn2tunic table, is less than or equal to the current date plus 15 days
      1. If the flag, first\_notice, which was returned from the PostgreSQL ssn2tunic table, equals 'Y' or the deactivation\_date, which was also returned from the PostgreSQL ssn2tunic table, is less than or equal to the current date plus 15 days:
        - a. Set email subject to the value of mailsubjectfinal, which was returned from the Oracle email\_notif\_mail\_types table.
        - b. Set email body text to the value of mailtextfinal, which was returned from the Oracle email\_notif\_mail\_types table.
      2. Otherwise:
        - a. Set email subject to the value of mailsubjectfirst, which was returned from the Oracle email\_notif\_mail\_types table.
        - b. Set email body text to the value of mailtextfirst, which was returned from the Oracle email\_notif\_mail\_types table.
    - iii. Check if the first notice information has been retrieved and the account deactivation date is less than or equal to the current date plus 30 days or if the final notice information has been retrieved and the account deactivation date is less than or equal to the current date plus 15 days:
      1. If yes:
        - a. Send email.
      2. Otherwise
        - a. Log error message.
  - d. If eduPersonPrimaryAffiliation equals member:
    - i. Inspect all other values in eduPersonAffiliation and retrieve value of templeEduPriorAffiliation.
    - ii. Select all data from the Oracle table, temple\_teis\_user.email\_notif\_mail\_types, for the row where the column containing the primary affiliation is equal to member (names of data elements returned and explanations of each can be found in the next subsection of this document) and the column containing the secondary affiliation is equal to the appropriate value, which is based on **the following hierarchy** (ordered highest to lowest in hierarchy). (**Example: If person has NTU affiliation as well as CEF affiliation, use NTU as secondary affiliation and ignore CEF affiliation**)
      - eduPersonAffiliation equals NTU, TUR, TUH, TVF, or TUJ
      - eduPersonAffiliation equals CEDI, CEFO, or CEF
      - templeEduPriorAffiliation is set and equals something other than member
      - eduPersonAffiliation equals member and templeEduPriorAffiliation is not set
    - iii. Check whether or not the flag, first\_notice, which was returned from the PostgreSQL ssn2tunic table, equals 'Y' or the deactivation\_date, which was also returned from the PostgreSQL ssn2tunic table, is less than or equal to the current date plus 15 days
      1. If the flag, first\_notice, which was returned from the PostgreSQL ssn2tunic table, equals 'Y' or the deactivation\_date, which was also returned from the PostgreSQL ssn2tunic table, is less than or equal to the current date plus 15 days:
        - a. Set email subject to the value of mailsubjectfinal, which was returned from the Oracle email\_notif\_mail\_types table.
        - b. Set email body text to the value of mailtextfinal, which was returned from the Oracle email\_notif\_mail\_types table.
      2. Otherwise:
        - a. Set email subject to the value of mailsubjectfirst, which was returned from the Oracle email\_notif\_mail\_types table.
        - b. Set email body text to the value of mailtextfirst, which was returned from the Oracle email\_notif\_mail\_types table.
    - iv. Check if the first notice information has been retrieved and the account deactivation date is less than or equal to the current date plus 30 days or if the final notice information has been retrieved and the account deactivation date is less than or equal to the current date plus 15 days:
      1. If yes:
        - a. Send email.
      2. Otherwise
        - a. Log error message.

## Email Notification Specifications

## Definition of Data in temple\_teis\_user.email\_notif\_mail\_types

Data Element	Definition	Data Default	Nullable
priaff	The primary affiliation associated with the email.		No
secaff	The secondary affiliation associated with the email (can be null and is in this case).		Yes
mail_type_active	Flag that indicates whether this email template is active.	'Y'	No
mailtextfirst	The text of the first notice (i.e. the 30-day notice).		No
mailtextfinal	The text of the final notice (i.e. the 15-day notice).		No
mailsubjectfirst	The subject of the first notice (i.e. the 30-day notice).	't'	No
mailsubjectfinal	The subject of the final notice (i.e. the 15-day notice).	't'	No

## Dynamic Email Fields

Email Variable	Account Attribute	Data Source
[NAME]	cn	LDAP
[EMAIL]	mail	LDAP
[DATE]	deactivation_date	PostgreSQL
[UID]	uid	LDAP

## Email Templates

### Primary Role: Student

#### First Notice

Dear [NAME],

This is an automated courtesy message from the Temple University Computer Services informing you that your AccessNet account ([UID]) is scheduled to expire on [DATE]. Please do not reply to this e-mail.

In order to retain your account, you must be a current student, employee, or authorized affiliate of the University. Please review the item below that applies to your situation:

- **If you are still enrolled at or employed by the University**, please confirm your status by contacting the Computer Services Help Desk before [DATE]. You can visit the Help Desk on Main Campus at the TECH Center in Room 106, submit a request for assistance at <http://tuhelp.temple.edu>, send e-mail to [help@temple.edu](mailto:help@temple.edu) or call (215) 204-8000.
- **If you are affiliated with the University in some other capacity and still need to maintain your account**, please have your Temple University sponsor renew or submit a request on your behalf via the Guest Access Request System in TUportal.

If you or your sponsor does not confirm your affiliation with the University, your AccessNet account ([UID]) will be disabled on [DATE]. Once your account expires, any files associated with your account (such as your TUmail messages and files stored on Blackboard, MyBackpack, or any other university system, including web pages on Astro) will be deleted.

In the meantime, if you wish to keep your e-mail messages and any files you may have on any Temple system, please take the steps necessary as soon as possible to save them. If you need help with this process, please contact the Help Desk through the [tuhelp.temple.edu](http://tuhelp.temple.edu) website.

Thank you,

Computer Services  
Temple University

#### Final Notice

Dear [NAME],

This is an automated courtesy message from the Temple University Computer Services informing you that your AccessNet account ([UID]) is scheduled to expire on [DATE]. Please do not reply to this e-mail.

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Thank you,

Computer Services  
Temple University

## Primary Role: Employee

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Thank you,

Computer Services  
Temple University

## Primary Role: Alumni

### First Notice

Dear [NAME],

This is an automated courtesy message from Computer Services to inform you that your AccessNet account ([UID]) is scheduled to expire on [DATE]. Please do not reply to this e-mail.

In order to retain your account you must be a Temple alumnus or alumna, current student or employee of the university. As a Temple graduate, you have the option to renew your account. Here's how:

1. Go to [tuportal.temple.edu](http://tuportal.temple.edu) and log in with your AccessNet username and password
2. Select "Renew my account for another year"
3. Renewal of your account will take up to 24 hours. The corresponding renewal notification bar in TUportal will be removed when your account is renewed.

**If you do not take action, your AccessNet account ([UID]) will be disabled on [DATE].** Once your account expires, any files associated with your account (including your TEmail messages and other files such as those stored on Google drive, among others) will be deleted. Please see the [Computer Services website](#) for more information on your Temple files.

If you wish to keep your e-mail messages and any files you may still have at Temple, please take the steps necessary as soon as possible to save them to your personal computer or other storage device as outlined on the [Computer Services website](#). If you need help with this process, please contact the Help Desk at 215-204-8000 or submit a ticket on the [tuhelp.temple.edu](http://tuhelp.temple.edu) website.

Thank you,

Computer Services  
Temple University

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Thank you,

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Temple University

## Primary Role: Member

## Secondary Roles: CEDI, CEFO, or CEF

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Thank you,

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Temple University

## Secondary Role: NTU, TUR, TUH, TVF, or None (not specified)

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Thank you,

Computer Services  
Temple University

## Secondary Role: TUJ

### First Notice

Dear [NAME],

This is an automated courtesy message from the Temple University Computer Services informing you that your AccessNet account ([UID]) is scheduled to expire on [DATE]. Please do not reply to this e-mail.

In order to retain your account you must be a current faculty member, staff, or affiliated with the University. If you are still employed or affiliated with the University, please confirm your status by contacting the Computer Services Help Desk before [DATE]. You can visit the Help Desk at Temple University Japan in room 502 of Azabu Hall, send e-mail to [tujsupport@tuj.temple.edu](mailto:tujsupport@tuj.temple.edu) or call 03-5441-9800 ext 501.

Note: faculty maintain the right to an AccessNet account provided they teach regularly.

If you do not take action, your AccessNet account ([UID]) will be disabled on [DATE]. Once your account expires, any files associated with your account (such as your TEmail messages and files stored on Blackboard, MyBackpack, or any other university system, including web pages on Astro) will be deleted.

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Thank you,

Computer Services  
Temple University Japan Campus

## Final Notice

Dear [NAME],

This is an automated courtesy message from the Temple University Computer Services informing you that your AccessNet account ([UID]) is scheduled to expire on [DATE]. Please do not reply to this e-mail.

In order to retain your account you must be a current faculty member, staff, or affiliated with the University. If you are still employed or affiliated with the University, please confirm your status by contacting the Computer Services Help Desk before [DATE]. You can visit the Help Desk at Temple University Japan in room 502 of Azabu Hall, send e-mail to [tujsupport@tuj.temple.edu](mailto:tujsupport@tuj.temple.edu) or call 03-5441-9800 ext 501.

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Thank you,

Computer Services  
Temple University Japan Campus