File: ET-CreateUsers.pl

Purpose: reads a CSV (comma delimited file) of users (1 per line) and processes the create/update user via the GEMS API user/post.

syntax: perl ET-CreateUsers.pl ET-Users.csv

The file (ET-Users.csv) can be any file in the correct format.

# Input file format:

## Example:

emailAddress,notificationEmailAddress,username,password,name,defaultBusinessUnitCode,timeZone,locale,businessUnitCode,roleCode

testman2@gannett.com,testman2@gannett.com,testman206112013,@testman20611,Test Man2,GANNETT,76,en-US,GANNETT|QA102-E|QA103-E,SYS\_EDIT\_ADMIN|SYS\_COMM\_ADMIN

The first line is the column headings, all subsequent lines are the user information, 1 line per user. The businessUnitCodes and roleCodes are (|) delimited for more than 1 item.

## Request Parameters

| **Parameter** | **Description** | **Required?** |
| --- | --- | --- |
| emailAddress | Reply Email Address | Yes |
| notificationEmailAddress | Notification Email Address | Yes |
| username | Username | Yes |
| password | Required when creating a user; otherwise, ignored | No |
| name | Name | Yes |
| defaultBusinessUnitCode | Default Business Unit Code | Yes |
| timeZone | Time Zone ([Time Zone Lookup Table](https://gannett.jira.com/wiki/display/ETMIG/Time+Zone+Lookup+Table)) | No |
| locale | Locale, represented by two or five digit code. [http://msdn.microsoft.com/en-us/library/system.globalization.cultureinfo(VS.80).aspx](http://msdn.microsoft.com/en-us/library/system.globalization.cultureinfo%28VS.80%29.aspx) <http://www.iso.org/iso/country_names_and_code_elements> | No |
| businessUnitCode | Business Unit Codes | No |
| roleCode | Role Code | No |

## Output

The output from the script is sent to the screen as well as a log file. The format of normal output is the POST data and then the RESPONSE data. Example:

06/11/2013-13:05.29 POST: {  
 "emailAddress":"testman2@gannett.com",  
 "notificationEmailAddress":"testman2@gannett.com",  
 "username":"testman206112013",  
 "password":"@testman20611",  
 "name":"Test Man2",  
 "defaultBusinessUnitCode":"GANNETT",  
 "timeZone":76,  
 "locale":"en-US",  
 "businessUnits":[  
 {"businessUnitCode":"GANNETT"},  
 {"businessUnitCode":"QA102-E"},  
 {"businessUnitCode":"QA103-E"}  
 ],  
 "roles":[  
 {"roleCode":"SYS\_EDIT\_ADMIN"},  
 {"roleCode":"SYS\_COMM\_ADMIN"}  
 ]  
}

06/11/2013-13:06.23 RESPONSE: {"response":{"emailAddress":"testman2@gannett.com","notificationEmailAddress":"testman2@gannett.com","username":"testman206112013","name":"Test Man2","timeZone":76,"timeZoneName":"(GMT-05:00) Eastern Time (US & Canada)","locale":"en-US"},"meta":{"status":0,"message":null}}

Each line in the log is prepended by a date/time stamp (MM/DD/YYYY-HH:MM.SS).

# Errors

All errors will be sent to the log as well as printed to the screen.

### Error Codes

| **Error Code** | **Error Description** |
| --- | --- |
| 110 | Parameter Not Valid |
| 230 | Business Unit Code Not Found |
| 235 | Role Code Not Found |
| 2000 | Unexpected Email Provider Error |

Script errors are separated into 3 categories: LWP, GEMS API

## LWP

LWP errors will cause the script to end processing. The error will be sent to the log file as well as the screen. These errors are transport errors and typically connection related.

### LWP Error checklist

* Active internet connection
* Able to browse to the API URL via you local browser
  + Try: <http://relaunch-web-dev.usatoday.com:2103/EmailApiService/EmailApiService.svc/businessUnit?businessUnitCode=Gannett>
  + You should be a value response: “status”:0
  + If not, check that you are allowed access to that URL domain

## GEMS API

GEMS API errors will be API/parameter related. There are some parameters that have specific definitions and or formats that must be defined exactly or the API will return an error.

| **Parameter** | **Restriction** |
| --- | --- |
| emailAddress | Valid email format |
| notificationEmailAddress | Valid email format |
| defaultBusinessUnitCode | businessUnitCode that currently exists in Exact Target |
| timeZone | See table [Time Zone Lookup Table](#_Time_Zone_Lookup) |
| locale | Locale, represented by two or five digit code. [http://msdn.microsoft.com/en-us/library/system.globalization.cultureinfo(VS.80).aspx](http://msdn.microsoft.com/en-us/library/system.globalization.cultureinfo%28VS.80%29.aspx) <http://www.iso.org/iso/country_names_and_code_elements> |
| businessUnitCode | businessUnitCode that currently exists in Exact Target |
| roleCode | roleCode that currently exists in Exact Target |

This error will not kill the process, but the error will be logged as a valid response. The log file should be reviewed to ensure all RESPONSEs returned with a “status”:0. If not, review error message on the RESPONSE line and correct.

Rerunning the script will do no harm. If the user exists, they will merrily be updated. But you can remove the users from the INPUT file except for the ones that had issues. Correct issues and rerun.

# Appendix

## Time Zone Lookup Table

| **ID** | **Name** |
| --- | --- |
| 1 | ([GMT-06](https://gannett.jira.com/browse/GMT-06):00) Central Standard Time |
| 2 | (GMT) Casablanca |
| 3 | (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London |
| 4 | (GMT) Monrovia, Reykjavik |
| 5 | (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna |
| 6 | (GMT+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague |
| 7 | (GMT+01:00) Brussels, Copenhagen, Madrid, Paris |
| 8 | (GMT+01:00) Sarajevo, Skopje, Warsaw, Zagreb |
| 9 | (GMT+01:00) West Central Africa |
| 10 | (GMT+02:00) Amman |
| 11 | (GMT+02:00) Athens, Bucharest, Istanbul |
| 12 | (GMT+02:00) Beirut |
| 13 | (GMT+02:00) Cairo |
| 14 | (GMT+02:00) Harare, Pretoria |
| 15 | (GMT+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius |
| 16 | (GMT+02:00) Jerusalem |
| 17 | (GMT+02:00) Minsk |
| 18 | (GMT+02:00) Windhoek |
| 19 | (GMT+03:00) Baghdad |
| 20 | (GMT+03:00) Kuwait, Riyadh |
| 21 | (GMT+03:00) Moscow, St. Petersburg, Volgograd |
| 22 | (GMT+03:00) Nairobi |
| 23 | (GMT+03:00) Tbilisi |
| 24 | (GMT+03:30) Tehran |
| 25 | (GMT+04:00) Abu Dhabi, Muscat |
| 26 | (GMT+04:00) Baku |
| 27 | (GMT+04:00) Caucasus Standard Time |
| 28 | (GMT+04:00) Port Louis |
| 29 | (GMT+04:00) Yerevan |
| 30 | (GMT+04:30) Kabul |
| 31 | (GMT+05:00) Ekaterinburg |
| 32 | (GMT+05:00) Islamabad, Karachi |
| 33 | (GMT+05:00) Tashkent |
| 34 | (GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi |
| 35 | (GMT+05:30) Sri Jayawardenepura |
| 36 | (GMT+05:45) Kathmandu |
| 37 | (GMT+06:00) Almaty, Novosibirsk |
| 38 | (GMT+06:00) Astana, Dhaka |
| 39 | (GMT+06:30) Yangon (Rangoon) |
| 40 | (GMT+07:00) Bangkok, Hanoi, Jakarta |
| 41 | (GMT+07:00) Krasnoyarsk |
| 42 | (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi |
| 43 | (GMT+08:00) Irkutsk, Ulaan Bataar |
| 44 | (GMT+08:00) Kuala Lumpur, Singapore |
| 45 | (GMT+08:00) Perth |
| 46 | (GMT+08:00) Taipei |
| 47 | (GMT+09:00) Osaka, Sapporo, Tokyo |
| 48 | (GMT+09:00) Seoul |
| 49 | (GMT+09:00) Yakutsk |
| 50 | (GMT+09:30) Adelaide |
| 51 | (GMT+09:30) Darwin |
| 52 | (GMT+10:00) Brisbane |
| 53 | (GMT+10:00) Canberra, Melbourne, Sydney |
| 54 | (GMT+10:00) Guam, Port Moresby |
| 55 | (GMT+10:00) Hobart |
| 56 | (GMT+10:00) Vladivostok |
| 57 | (GMT+11:00) Magadan, Solomon Is., New Caledonia |
| 58 | (GMT+12:00) Auckland, Wellington |
| 59 | (GMT+12:00) Fiji, Kamchatka, Marshall Is. |
| 60 | (GMT+13:00) Nukualofa |
| 61 | ([GMT-01](https://gannett.jira.com/browse/GMT-01):00) Azores |
| 62 | ([GMT-01](https://gannett.jira.com/browse/GMT-01):00) Cape Verde Is. |
| 63 | ([GMT-02](https://gannett.jira.com/browse/GMT-02):00) Mid-Atlantic |
| 64 | ([GMT-03](https://gannett.jira.com/browse/GMT-03):00) Brasilia |
| 65 | ([GMT-03](https://gannett.jira.com/browse/GMT-03):00) Buenos Aires |
| 66 | ([GMT-03](https://gannett.jira.com/browse/GMT-03):00) Georgetown |
| 67 | ([GMT-03](https://gannett.jira.com/browse/GMT-03):00) Greenland |
| 68 | ([GMT-03](https://gannett.jira.com/browse/GMT-03):00) Montevideo |
| 69 | ([GMT-03](https://gannett.jira.com/browse/GMT-03):30) Newfoundland |
| 70 | ([GMT-04](https://gannett.jira.com/browse/GMT-04):00) Atlantic Time (Canada) |
| 71 | ([GMT-04](https://gannett.jira.com/browse/GMT-04):00) La Paz |
| 72 | ([GMT-04](https://gannett.jira.com/browse/GMT-04):00) Manaus |
| 73 | ([GMT-04](https://gannett.jira.com/browse/GMT-04):00) Santiago |
| 74 | ([GMT-04](https://gannett.jira.com/browse/GMT-04):30) Caracas |
| 75 | ([GMT-05](https://gannett.jira.com/browse/GMT-05):00) Bogota, Lima, Quito, Rio Branco |
| 76 | ([GMT-05](https://gannett.jira.com/browse/GMT-05):00) Eastern Time (US & Canada) |
| 77 | ([GMT-05](https://gannett.jira.com/browse/GMT-05):00) Indiana (East) |
| 78 | ([GMT-06](https://gannett.jira.com/browse/GMT-06):00) Central America |
| 79 | ([GMT-06](https://gannett.jira.com/browse/GMT-06):00) Central Time (US & Canada) |
| 80 | ([GMT-06](https://gannett.jira.com/browse/GMT-06):00) Guadalajara, Mexico City, Monterrey - New |
| 81 | ([GMT-06](https://gannett.jira.com/browse/GMT-06):00) Guadalajara, Mexico City, Monterrey - Old |
| 82 | ([GMT-06](https://gannett.jira.com/browse/GMT-06):00) Saskatchewan |
| 83 | ([GMT-07](https://gannett.jira.com/browse/GMT-07):00) Arizona |
| 84 | ([GMT-07](https://gannett.jira.com/browse/GMT-07):00) Chihuahua, La Paz, Mazatlan - New |
| 85 | ([GMT-07](https://gannett.jira.com/browse/GMT-07):00) Chihuahua, La Paz, Mazatlan - Old |
| 86 | ([GMT-07](https://gannett.jira.com/browse/GMT-07):00) Mountain Time (US & Canada) |
| 87 | ([GMT-08](https://gannett.jira.com/browse/GMT-08):00) Pacific Time (US & Canada) |
| 88 | ([GMT-08](https://gannett.jira.com/browse/GMT-08):00) Tijuana, Baja California |
| 89 | ([GMT-09](https://gannett.jira.com/browse/GMT-09):00) Alaska |
| 90 | ([GMT-10](https://gannett.jira.com/browse/GMT-10):00) Hawaii |
| 91 | ([GMT-11](https://gannett.jira.com/browse/GMT-11):00) Midway Island, Samoa |
| 92 | ([GMT-12](https://gannett.jira.com/browse/GMT-12):00) International Date Line West |