

TSLgenerator 실습

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- TSLgenerator 다운
 - URL : <https://github.com/alexorso/tslgenerator>

alexorso / **tslgenerator**

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TSL generator for the Category Partition Method

5 commits 2 branches 0 releases 2 contributors CC0-1.0

Branch: master [New pull request](#) [Find file](#) [Clone or download](#)

amirbehzad Added a TODO list to README file

Binaries	Initial version	
Docs	Initial version	
Examples	Initial version	
Linux	Initial version	
MacOSX	Added support for long file names in OSX (#2)	2 years ago
Win32	Initial version	3 years ago
Win8	Initial version	3 years ago
.gitignore	Initial commit	3 years ago
LICENSE	Initial commit	3 years ago
README.md	Added a TODO list to README file	a year ago

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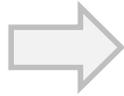
tslgenerator

TSL generator for the Category Partition Method

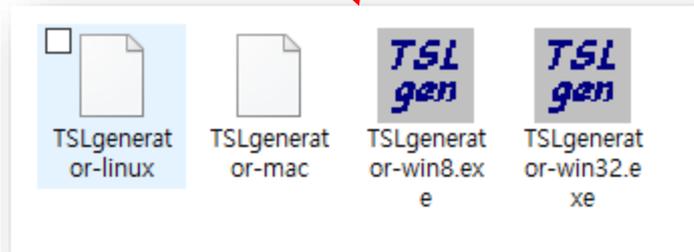
TODO

- Changing the parsing of the files so that properties can be used even if they are declared later in the file
- Providing a GUI for the tool

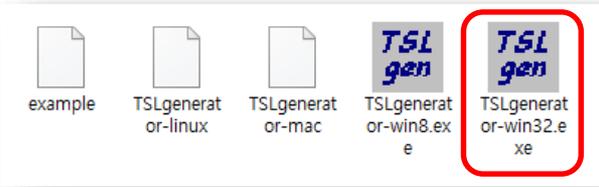
- TSLgenerator 실행



Binaries	2018-04-24 오후...	파일 폴더	
Docs	2018-04-24 오후...	파일 폴더	
Examples	2018-04-24 오후...	파일 폴더	
Linux	2018-04-24 오후...	파일 폴더	
MacOSX	2018-04-24 오후...	파일 폴더	
Win8	2018-04-24 오후...	파일 폴더	
Win32	2018-04-24 오후...	파일 폴더	
.gitignore	2017-03-02 오전...	GITIGNORE 파일	1KB
LICENSE	2017-03-02 오전...	파일	7KB
README.md	2017-03-02 오전...	MD 파일	1KB



- TSLgenerator 실행



TSLgenerator-win32.exe

Usage : TSLgenerator-win32.exe [--manpage] [-cs] input_file [-o output_file]

Example : TSLgenerator-win32.exe example -o example.ts1



관리자 권한으로
실행

```
cmd 선택 관리자: C:#WINDOWS#system32#cmd.exe
C:#Users#wds lab#Desktop#School#Master#7. 수업#3. 석사3학기#3. 소프트웨어 검증#Test Specification Language (TSL generator)
#wtslgenerator-master#Binaries>dir
C 드라이브의 볼륨: OS
볼륨 일련 번호: C229-8283

C:#Users#wds lab#Desktop#School#Master#7. 수업#3. 석사3학기#3. 소프트웨어 검증#Test Specification Language (TSL generator)
#wtslgenerator-master#Binaries 디렉터리

2018-04-24 오후 06:49 <DIR>      .
2018-04-24 오후 06:49 <DIR>      ..
2017-03-02 오전 04:01          3,853 example
2017-03-02 오전 04:01        369,732 TSLgenerator-linux
2017-03-02 오전 04:01        26,840 TSLgenerator-mac
2017-03-02 오전 04:01        49,152 TSLgenerator-win32.exe
2017-03-02 오전 04:01        98,816 TSLgenerator-win8.exe
                5개 파일          548,393 바이트
                2개 디렉터리 341,649,973,248 바이트 남음

C:#Users#wds lab#Desktop#School#Master#7. 수업#3. 석사3학기#3. 소프트웨어 검증#Test Specification Language (TSL generator)
#wtslgenerator-master#Binaries>TSLgenerator-win32.exe example -o example.ts1

-----
TSLgenerator

(C) University of California Irvine,
and Oregon State University, 2001
-----

567 test frames generated and written to example.ts1

C:#Users#wds lab#Desktop#School#Master#7. 수업#3. 석사3학기#3. 소프트웨어 검증#Test Specification Language (TSL generator)
#wtslgenerator-master#Binaries>
```

TSLgenerator 사용법

• TSLgenerator 결과



```
example example.tsl
1 #
2 # Test specification for Siena HierarchicalDispatcher
3 #
4 # (C) University of California Irvine,
5 # Oregon State University, and
6 # Georgia Tech, 2001
7 #
8
9 Environments:
10 Server configuration:
11 one server.
12 one child and one parent. [single]
13 two children and one parent. [single]
14 at least three levels. [single]
15
16 Client configuration:
17 one pub only. [property PublisherOnly]
18 one sub only. [property SubscriberOnly]
19 one sub and one matching pub. [property Matching]
20 one sub and two matching pubs. [single]
21 two subs and one matching pub. [single]
22 one sub and one non-matching pub.
23 [single] [property Matching]
24 two subs and one non-matching pub.
25 [single]
26 multiple subs and pubs. [single]
27
28 Parameters:
29 Server IDs:
30 empty string. [error]
31 valid string.
32
33 Type of attrs in notifications:
34 invalid name. [error] [if !SubscriberOnly]
35 string. [single] [if Matching]
36 int. [if !SubscriberOnly]
37 double. [single] [if Matching]
38 boolean. [single] [if Matching]
39 multiple with same type. [if !SubscriberOnly]
40 [property MultiAttrs]
41 multiple with mixed types. [if !SubscriberOnly]
42 [property MultiAttrs]
43
44 Form of notifications:
45 no attrs. [error] [if !SubscriberOnly]
46 multiple attrs with same name. [error] [if !SubscriberOnly]
47 one attr. [if !(SubscriberOnly || MultiAttrs)]
48 two attrs. [if !SubscriberOnly]
49 three to ten attrs. [single] [if !SubscriberOnly]
```

input_file

length : 3,853 lines : 113 Ln : 16 Col : 26 Sel : 0 | 0 Windows (CR LF) UTF-8 INS

```
example example.tsl
1 Test Case 1 <single>
2 Server configuration : one child and one parent
3
4
5 Test Case 2 <single>
6 Server configuration : two children and one parent
7
8
9 Test Case 3 <single>
10 Server configuration : at least three levels
11
12
13 Test Case 4 <single>
14 Client configuration : one sub and two matching pubs
15
16
17 Test Case 5 <single>
18 Client configuration : two subs and one matching pub
19
20
21 Test Case 6 <single>
22 Client configuration : one sub and one non-matching pub
23
24
25 Test Case 7 <single>
26 Client configuration : two subs and one non-matching pub
27
28
29 Test Case 8 <single>
30 Client configuration : multiple subs and pubs
31
32
33 Test Case 9 <error>
34 Server IDs : empty string
35
36
37 Test Case 10 <error>
38 Type of attrs in notifications : invalid name
39
40
41 Test Case 11 <single>
42 Type of attrs in notifications : string
43
44
45 Test Case 12 <single>
46 Type of attrs in notifications : double
47
48
49
```

output_file

length : 396,609 lines : 7 Ln : 40 Col : 1 Sel : 0 | 0 Windows (CR LF) UTF-8 INS

Practice with TSLgenerator

- Target Software : 유아용 영어 학습 프로그램 (영단어 수집왕)
 - URL : http://dslab.konkuk.ac.kr/Class/2015/15SMA/Team_Organization.htm

