

TSI CI Framework and DevAssist

TPF USERS GROUP 2018 AUSTIN, TEXAS





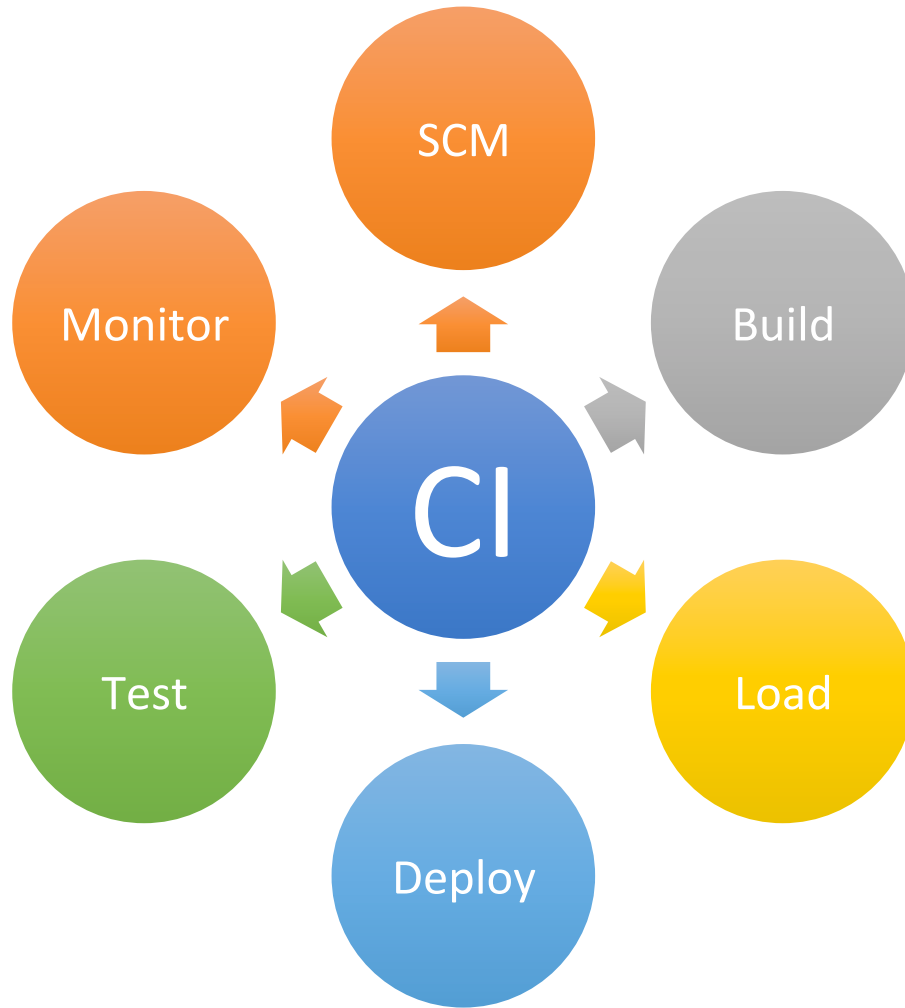
TSI CI Framework

- OVERVIEW
- TSI CI FRAMEWORK
- BENEFITS

DevAssist

- SCENARIO
- BACKGROUND
- FEATURE
- BENEFITS

CI Overview



Integration of Products

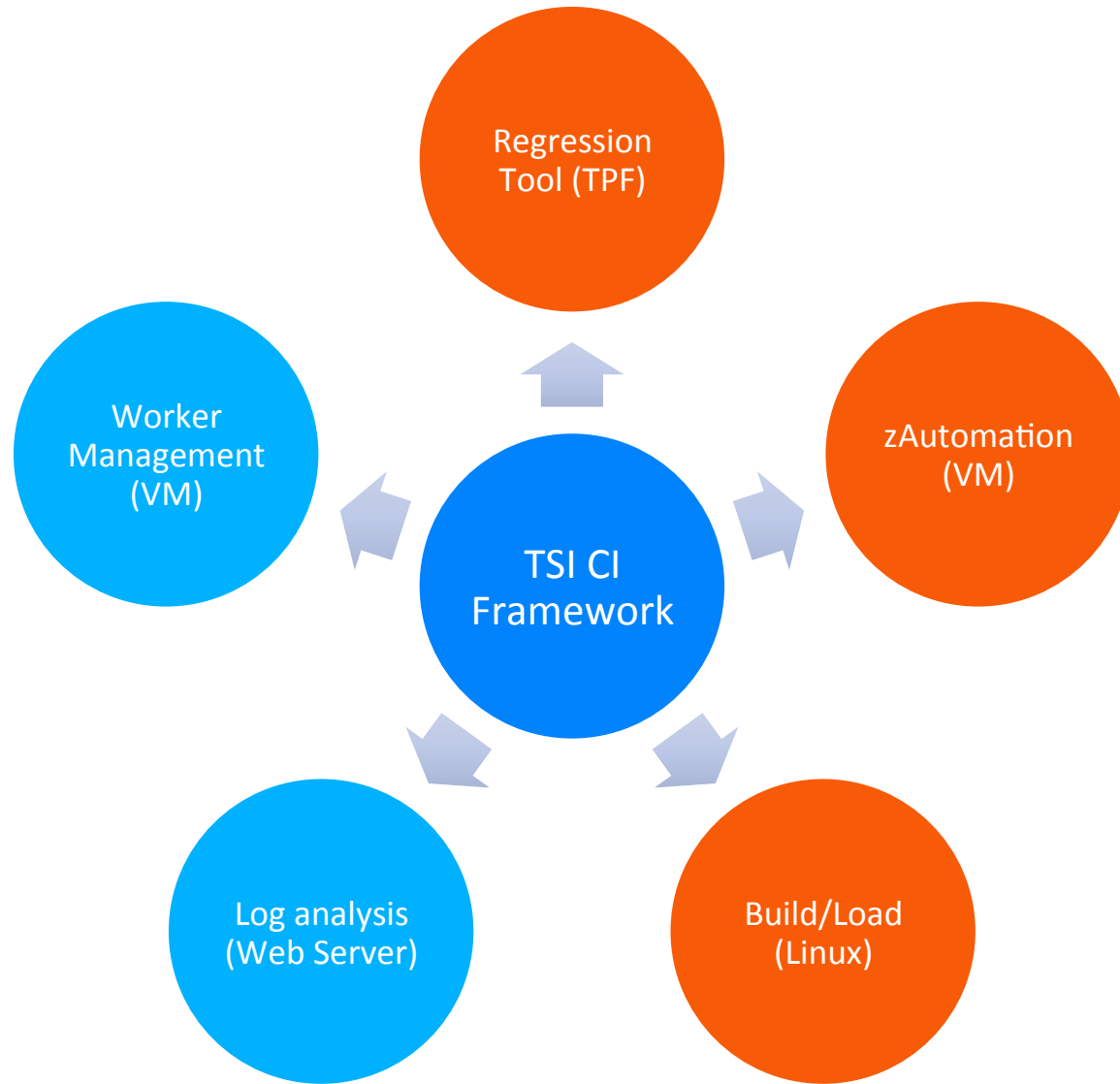
Orchestration

Automation

Test-Driven development

Agile

TSI CI Framework Current Capabilities



TSI CI Framework Features



Integration with existing process

Monitoring current activity

Session management

Alerts and Notifications

Configuration Management

Load balancing

Log analysis

Alerts

Benefits



Integrate CI framework seamlessly anywhere
in your SDLC

Reduce cost & effort overhead

Clear team communication & traceability

Effective notification & reporting for
better decisions

Proactive & consistent

TSI CI Framework

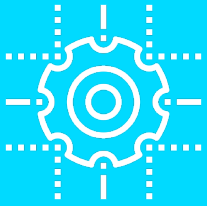
- OVERVIEW
- TSI CI FRAMEWORK
- BENEFITS



DevAssist

- SCENARIO
- BACKGROUND
- FEATURES
- BENEFITS

Scenario



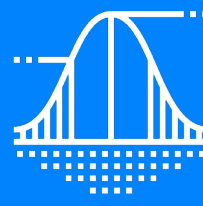
DEVELOPMENT



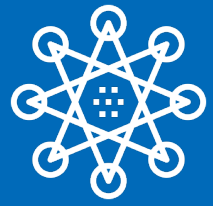
UNIT TESTING



TESTING



REGRESSION



PRODUCTION

ROOT CAUSE ANALYSIS

Background

Message	
118	125: ZG_M125_GET_ALL_ACT_LSN
119	100: ZG_M100_UNG_GI_READ
120	70: ZG_UNG_READY_FOR_SCRIPT
121	126: ZG_M126_GET_LSN_SO
122	126: ZG_M126_GET_LSN_SO
123	100: ZG_M100_UNG_GI_READ
124	70: ZG_UNG_READY_FOR_SCRIPT
125	170: ZG_M170_GET_LINKMAP
126	115: ZG_UNG_SYS_MESSAGE
127	115: ZG_UNG_SYS_MESSAGE
128	170: ZG_M170_GET_LINKMAP
129	100: ZG_M100_UNG_GI_READ
130	70: ZG_UNG_READY_FOR_SCRIPT
131	75: ZG_TRM_READY
132	204: 204
133	70: ZG_UNG_READY_FOR_SCRIPT
134	170: ZG_M170_GET_LINKMAP
135	115: ZG_UNG_SYS_MESSAGE
136	115: ZG_UNG_SYS_MESSAGE
137	170: ZG_M170_GET_LINKMAP
138	100: ZG_M100_UNG_GI_READ
139	70: ZG_UNG_READY_FOR_SCRIPT
140	75: ZG_TRM_READY
141	204: 204
142	70: ZG_UNG_READY_FOR_SCRIPT
143	170: ZG_M170_GET_LINKMAP
144	115: ZG_UNG_SYS_MESSAGE
145	115: ZG_UNG_SYS_MESSAGE
146	170: ZG_M170_GET_LINKMAP
147	100: ZG_M100_UNG_GI_READ
148	70: ZG_UNG_READY_FOR_SCRIPT
149	75: ZG_TRM_READY
150	204: 204
151	70: ZG_UNG_READY_FOR_SCRIPT
152	170: ZG_M170_GET_LINKMAP
153	115: ZG_UNG_SYS_MESSAGE
154	115: ZG_UNG_SYS_MESSAGE
155	170: ZG_M170_GET_LINKMAP
156	100: ZG_M100_UNG_GI_READ
157	70: ZG_UNG_READY_FOR_SCRIPT
158	75: ZG_TRM_READY
159	204: 204
160	70: ZG_UNG_READY_FOR_SCRIPT

```

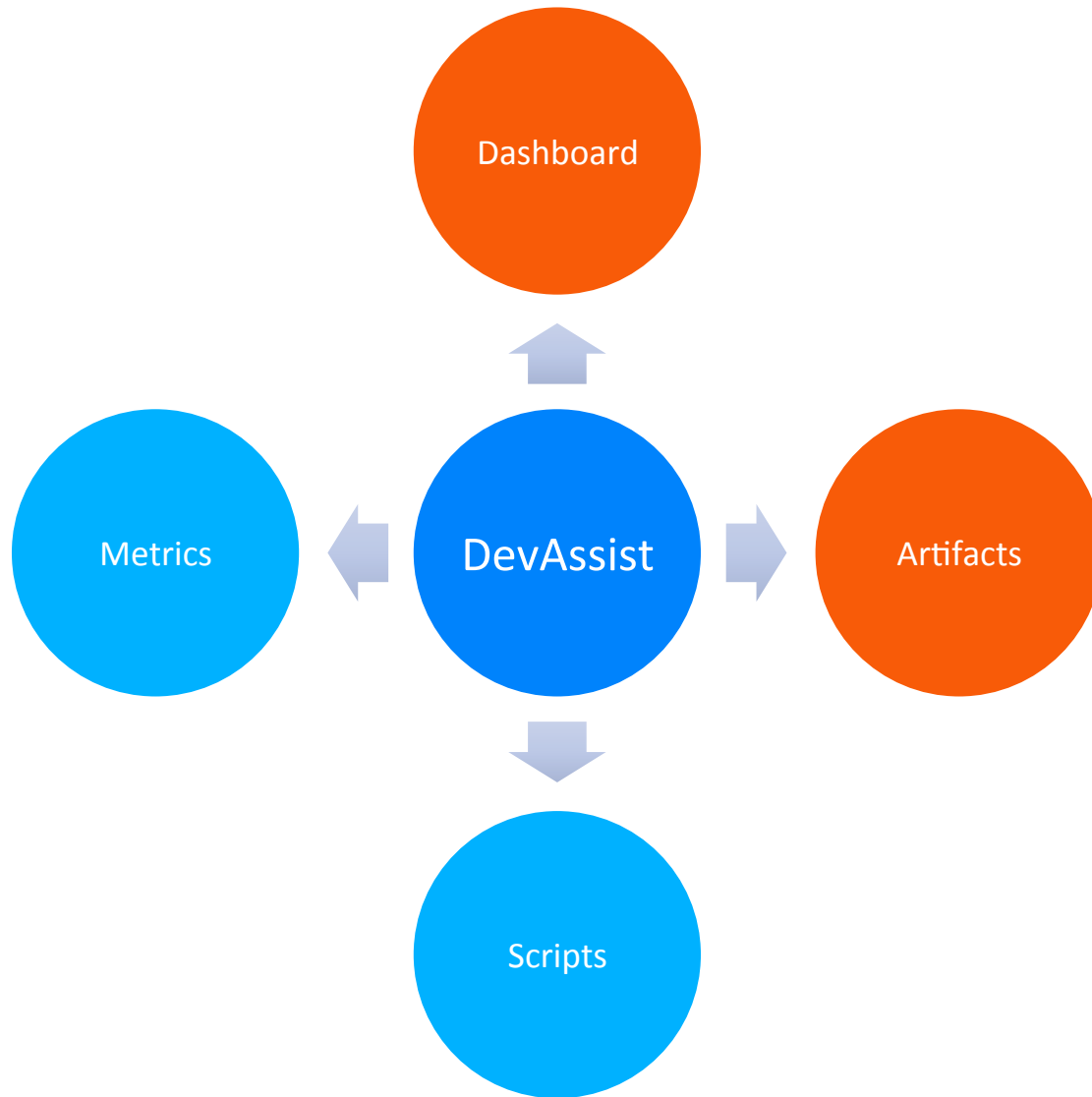
SYSTEM HEADER
Msg Len: 000000DE  Msg ID: 00AA  Spare: 0000  Prod Id: ZIG  Prod I
Protocol: 01  Indicator: 08  Ret Code: 0000

ZIG PRODUCT HEADER
Header Len: 0020  Msg Version: 01  Msg Type: 00  Msg Token: 395E7D
Worker Func: 00  Reserved: 000000  Term ID: ALC1  Term ID Handle:
ECB ID: ....  ECB Handle: 00000000  Prog Name: 00000000




Message Body
0030: D7E5F1D9 F7C1D3D3 - C3E5C1C1 00000000 * PV1R 7ALL CVAA ....
0040: 00000000 00000000 - 00000000 00000006 * .... .... ....
0050: 83A58181 40404040 - 40404040 40404040 * cvaa
0060: 40404040 40404040 - 00000000 06027000 *
0070: 00000000 06028B16 - F2F0F1F6 F0F5F1F7 * .... .... 2016 0517
0080: F0F6F3F1 F4F1C200 - 00000000 00296196 * 0631 41B. .... ../o
0090: 97A361A9 A3978661 - A39786A2 9686A3A6 * pt/z tpf/ tpfs oftw
00A0: 81998561 A397A261 - 84859496 61968291 * are/ tps/ demo /obj
00B0: 6183A581 814B9683 - A581A440 40404040 * /cva a.oc vau
00C0: 40404040 40404040 - 40404040 40404000 *
00D0: 00000006 02900000 - 00000006 02A086F2 * .... .... .... ..f2
00E0: F0F1F6F0 F5F1F7F0 - F6F3F1F4 F2C20000 * 0160 5170 6314 2B..
00F0: 00000000 29619697 - A361A9A3 978661A3 * .... ./op t/zt pf/t
0100: 9786A296 86A3A681 - 998561A3 97A26184 * pfso ftwa re/t ps/d
0110: 85949661 96829161 - 83A581A4 4B9683A5 * emo/ obj/ cvau .ocv
0120: 81884040 40404040 - 40404040 40404040 * ah
0130: 40404040 40400000 - 00000602 B0000000 *
0140: 00000602 BE8EF2F0 - F1F6F0F5 F1F7F0F6 * .... ..20 1605 1706
0150: F3F1F4F3 C2000000 - 00000029 619697A3 * 3143 B... .... /opt
0160: 61A9A397 8661A397 - 86A29686 A3A68199 * /ztp f/tp fs of twar
0170: 8561A397 A2618485 - 94966196 82916183 * e/tp s/de mo/o bj/c
0180: A581884B 9683A581 - 89404040 40404040 * vah. ocva i
0190: 40404040 40404040 - 40404040 40000000 *
01A0: 000602C0 00000000 - 000602CA 1BF2F0F1 * ...{ .... .... .201
01B0: F6F0F5F1 F7F0F6F3 - F1F4F3C2 00000000 * 6051 7063 143B ....
01C0: 00002961 9697A361 - A9A39786 61A39786 * .../ opt/ ztpf /tpf
01D0: A29686A3 A6819985 - 61A397A2 61848594 * soft ware /tps /dem
01E0: 96619682 916183A5 - 81894B96 83A58184 * o/ob j/cv ai.o cvad
01F0: 40404040 40404040 - 40404040 40404040 *
0200: 40404040 00000000 - 0602D000 00000000 *
0210: 0602D3F6 F2F0F1F6 - F0F5F1F7 F0F6F3F1 * ..L6 2016 0517 0631
0220: F4F3C200 00000000 - 00296196 97A361A9 * 43B. .... ../o pt/z
0230: A3978661 A39786A2 - 9686A3A6 81998561 * tpf/ tpfs oftw are/


```


DevAssist - Features




Data Lookup



Date Range
02/01/2018 - 02/28/2018 

Report Category
Project and System 

Filter By Date
ALL 

Start Time

End Time

Submit

Today

Yesterday


Last 7 Days


Last 30 Days

This Month

Last Month

Custom Range

 02/01/2018

 02/28/2018

< Feb 2018 >

Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	1	2	3
4	5	6	7	8	9	10

> Mar 2018 <

Su	Mo	Tu	We	Th	Fr	Sa
25	26	27	28	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

Data Lookup



Date Range

02/01/2018 - 02/28/2018



Report Category

Project and System

Filter By Date

ALL

Start
TimeEnd
Time

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PROJECT ACTIVITIES

Un_Identified_Project

e736462

loads

sndfbr

qfre.asm

qwr6.asm

qibc.asm

qfrd.asm

qff1.asm

Data Lookup

PROJECT ACTIVITIES

DEBUGGER ACTIVITIES

VPWSP23

Input/Output (372)

19/02/2018 (338)



Time (HH:mm:ss)

Input

Output

07:29:24

4P-ARE

```
NO AIR SGMTS
>+
```

05:54:49

*R

```
1P- 2RW2JP
1.1MAKTUM/JAM*ADT
1 CM 491Q 09MAR FR MIAPTY UN1 /O 491Q
P- 1.5H68553184223
T- 1.T/20NOV0551 1P/5H6/CE*E2301350153904
TKG FAX-NOT PRICED FARE TYPE EX
FOP- 1.CA
G- 1.SSRDOCSCMHK1/P/USA/@---@7635/USA/@-----@/M/23AUG06/STEVENSON/JO*NATHAN/R
ICHARD/H- 1.1
2.SSRPSPTYHKL/@---@7635/US/@-----@/M/H- 1.1
```

Reports



GI Analytics Report

07:53:31 09:47:42 10:0:32 10:16:57 10:32:50 10:51:59 11:21:16 23/02/2018(4) 12:16:57 12:30:34 01:51:45 02:11:58			
Un_Identified_Project			
Un_Identified_Program			
Lines Traced			
19/02/2018(2262)			
05:48:29 00022C LG R1,1C8(R0,R11)			
05:48:30 00023E LG R1,1C0(R0,R11)	05:48:31 000190 LG R3,1E8(R0,R11)	05:48:35 0001D0 LG R1,1F8(R0,R11)	05:48:37 0049DE LG R1,1E0(R0,R11)
05:49:14	05:49:14	05:49:57	05:49:57

Benefits



Easy access to DevTest data

Rapid traceability

Comprehensive reporting

Process adherence

Test Scripts generation

THANK YOU