



ucXception

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Login

Email address

email@example.com

Password

Password

☐ Remember me

Sign in

New in ucXception? [Sign up](#)

[Forgot password?](#)



ucXception

Signup

	<input type="text" value="Username"/>
	<input type="text" value="E-mail"/>
	<input type="password" value="Password"/>
	<input type="password" value="Re-Password"/>

Create

Already has an account? [Login](#)

Reset



https://www.ucXception/passwordreset

ucXception

Password reset

@

E-mail

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Reset



 <https://www.ucXception/passwordresetconfirmation>

ucXception

Password reset confirmation



Password



Re-Password



ucXception



 New experiment

Name ▾ Date ▾ Type ▾



Name of Experience	Number of Runs	Date of Experience	Type of fault injection	Execution	Execution time(s)	
Experience 0	50/50	11/7/2021	Hardware	Finished	750	...
Experience 1	3/10	24/5/2021	Software	Paused	45	...
Experience 2	30/30	15/12/2020	Software	Finished	450	...
Experience 3	50/100	1/8/2019	Hardware	Ongoing	1500	...
Experience 4	50/50	17/6/2021	Hardware	Finished	750	...
Experience 5	3/20	6/17/2021	Software	Paused	300	...
Experience 6	50/50	1/12/2019	Software	Finished	750	...
Experience 7	100/100	25/12/2021	Hardware	Paused	1500	...
Experience 8	1/1	16/2/2019	Hardware	Finished	15	...
Experience 9	1000/1000	10/3/2021	Hardware	Finished	15000	...



1

2

3



ucXception



Statistics

Graphics

Raw Data

Experience 1

3/10

24/5/2021

Hardware

Paused



Golden Runs

Mean peak duration

13.74777

Min peak duration

13.83577

Max peak duration

14.14282

Runs with injection

Mean peak duration

0.000543

Min peak duration

0.024126

Max peak duration

0.056352

Percentage of crashes

80%

Percentage of watchdog crashes

30%

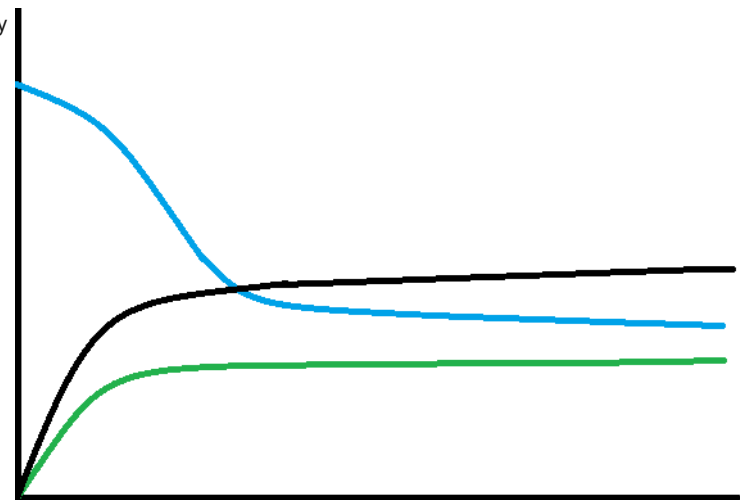
Percentage of incorrect output

75%

Percentage of correct output

15%

Probability



N° of runs



Resume

Cancel

Experience



https://www.ucXception/experience/1/graphics

ucXception



StatisticsGraphicsRaw Data

Experience 13/1024/5/2021HardwarePaused



Type of graphic

Bar Chart

Parameters

App rcode

RegisterDurationInjection Time

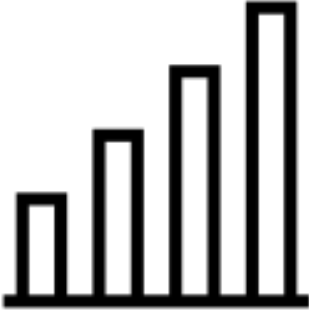
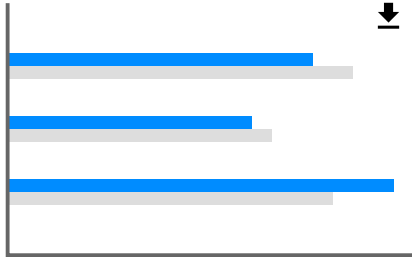
Choose rcodes

-110

Create

Resume

Cancel





ucXception



Statistics

Graphics

Raw Data

Experience 1

3/10

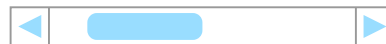
24/5/2021

Hardware

Paused



app_rcode	bit	camp_name	dataextract_dur	dataextract_start	dataextract_stop	datavalidate_dur	datavalidate_start
-11	57	ai4eu_campaing	2.86E-06	1.64E-06	1.64E-06	0.000325	163242.342
1	56	ai4eu_campaing	3.81E-06	1.64E-06	1.64E-06	0.000246	163897.786
0	15	ai4eu_campaing	6.91E-06	1.64E-06	1.64E-06	0.000152	170013.925



Resume

Cancel

ucXception



Campaign

Campaign

Code/Input

Target

Type of fault injection

Software Injection



Project name

Experience 1

Number of Runs (Injection)

10

Golden Runs

0

Fault operators

☐ All operators

Missing function call

Missing if construct around
statementsWrong value assigned to a
variable

System target

Remote Host



Domain

deihost

Username

root

Next

ucXception



Campaign

Campaign Code/Input

Application Input

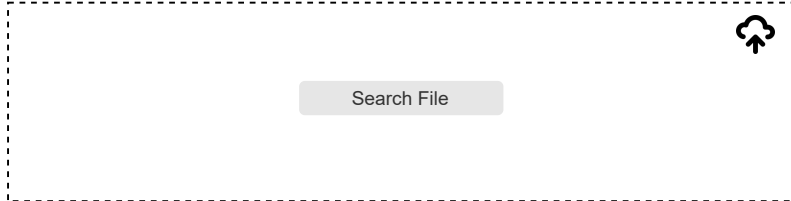
3000

Whatchdog duration (ms)

2000

☐ Calculate Automatically

Upload Code



Search File

Target

System target

Remote Host



Domain

deihost

Username

root

Next

ucXception

[Campaign](#) / Pre-Probes**Probe SAR****Probe Perf** Add probe**Probe SAR****Probe Perf****Probe SAR****Start Interval**

1

Next



ucXception



[Campaign](#) / [Pre-Probes](#) / Post- Probes

Pidstat

Pidstat

 Add probe



Pidstat

Probe Pidstat

Start Interval

1

All process children

False

Next



ucXception



[Campaign](#) / [Pre-Probes](#) / [Post-Probes](#) / Parsers

Current Folder

App Output MD5

App Output MD5

 Add parser

Current Folder

App Return Code

☒ App Output MD5

App Output MD5

Output Length

81245

MD5

01a86739f39ebb1e2802c84ec4ce7080

Next



ucXception



[Campaign](#) / [Pre-Probes](#) / [Post-Probes](#) / [Parsers](#) / Validators

Ensure Injection

⊕ Add validator

✓ Ensure Injection

Ensure Injection

No configuration needed

Next



ucXception



[Campaign](#) / [Pre-Probes](#) / [Post-Probes](#) / [Parsers](#) / [Validators](#) / Transformers

SAR to CSV

Save Output

SAR to CSV

SAR to CSV

Pidstat to CSV

 Add parser

SAR to CSV

Save Output

☒ Pidstat to CSV

Pidstat to CSV

No configuration needed

Next



ucXception



[Campaign](#) / [Pre-Probes](#) / [Post-Probes](#) / [Parsers](#) / [Validators](#) / [Transformers](#) / Summary

Campaign

Pre-Probes

Post-Probes

Parsers

Validators

Transformers

Type of fault injection

Software Injection

Project name

Experience 1

Number of Runs (Injection)

10

Golden Runs

0

Fault operators

MIFS

MIA

MIEB

MFC

MLAC

Application Input

3000

Whatchdog duration (ms)

2000

System target

Remote Host

Domain

deihost

Username

root

Execute

Summary

https://www.ucXception/summary

ucXception

Campaign / Pre-Probes / Post-Probes / Parsers / Validators / Transformers / Summary

Campaign

Pre-Probes

Post-Probes

Parsers

Validators

Transformers

Probe SAR

Probe Perf

Probe SAR Summary

Start Interval

1

Execute

ucXception



[Campaign](#) / [Pre-Probes](#) / [Post-Probes](#) / [Parsers](#) / [Validators](#) / [Transformers](#) / Summary

Campaign Pre-Probes **Post-Probes** Parsers Validators Transformers

Pidstat

Pidstat

Probe Pidstat Summary

Start Interval

1

All process children

False

Execute



ucXception



[Campaign](#) / [Pre-Probes](#) / [Post-Probes](#) / [Parsers](#) / [Validators](#) / [Transformers](#) / Summary

Campaign Pre-Probes Post-Probes **Parsers** Validators Transformers

Current Folder

App Output MD5

App Output MD5

Probe Pidstat Summary

Output Length

81245

MD5

01a86739f39ebb1e2802c84ec4ce7080

Execute

