🔗 https://www.ucXception/login

ucXception

Login

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Email address

email@example.com

Password

Password

☐ Remember me

Sign in

New in ucXception? Sign up

Forgot password?

https://www.ucXception/signup

ucXception

Signup

Username

@ E-mail

Password

Re-Password

Create

Already has an account? Login

https://www.ucXception/passwordreset

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Password reset

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Password reset confirmation

Password

Re-Password

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⊕ New campaign

Name ⇕ Date ⇕ Type ⇕

▽ | Search campaign 🔍

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

🗑
✖

| 1 | 2 | 3 |

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Campaign 1   3/10   24/5/2021   Hardware   Paused

Golden Runs

Mean peak duration	Min peak duration	Max peak duration
13.74777	13.83577	14.14282

Runs with injection

Mean peak duration	Min peak duration	Max peak duration
0.000543	0.024126	0.056352

Percentage of crashes

80%

Percentage of watchdog crashes

30%

Percentage of incorrect output

75%

Percentage of correct output

15%
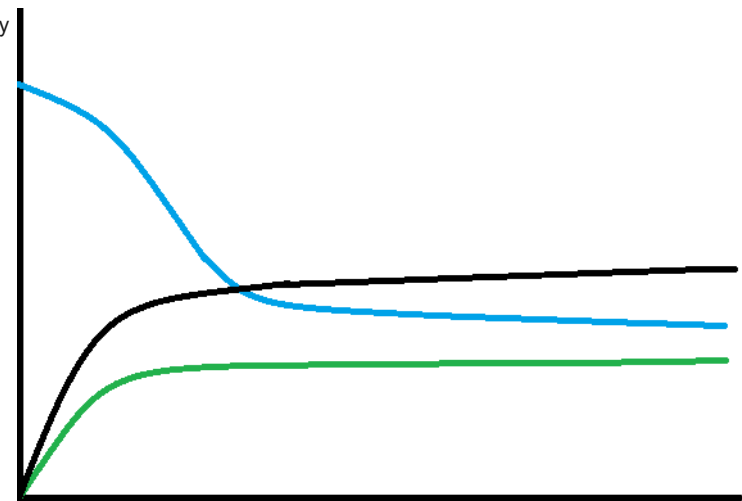
Resume   Cancel

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

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Statistics	Graphics	Raw Data

Campaign 1   3/10   24/5/2021   Hardware   Paused

Type of graphic

Bar Chart ✕   ⌄

Parameters

App rcode ✕   ⌄   ▽

Choose rcodes

-11 ✕   0 ✕   ⌄

Register

Duration

Injection Time

Create

Resume   Cancel

https://www.ucXception/campaign/1/rawdata
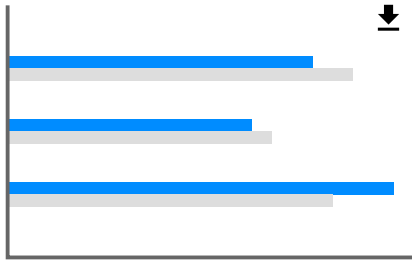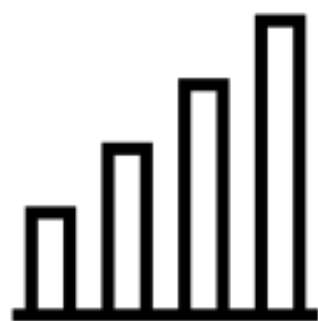
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| Statistics | Graphics | Raw Data |

Experience 1 3/10 24/5/2021 Hardware Paused

app_ rcode	bit	camp_name	dataextract_dur	datarxtract_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 |

https://www.ucXception/campaignsetup

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

Campaign | Code/Input

Type of fault injection

Software Injection ▾

Project name

Campaign 10

Number of Runs (Injection)

10

Golden Runs

0

Fault operators   ☐ All operators

▾

Missing function call

Missing if construct around
statements

Wrong value assigned to a
variable

Choose targets | Define targets

System target

deechost ▾

SSELAB_host   🗑

experimental_host   🗑

Next

https://www.ucXception/campaignsetup

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Campaign | Code/Input

Application Input

3000

Whatchdog duration (ms)   ☐ Calculate Automatically

2000

Upload Code ⓘ

⌃ (cloud upload)

Search File

Upload scripts ⓘ

⌃ (cloud upload)

Search File

Choose targets | Define targets

System target

⊗ Remote Host

◯ Local Host

Domain

deihost

Username

root

Create host

Next

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First probe sar
First probe perf
⊕ Add probe

☑ Probe SAR ⓘ
☐ Probe Perf ⓘ

Probe SAR

Probe name

Second probe sar

Start Interval

1

System target

deechost ⌄

SSELAB_host 🗑

experimental_host 🗑

Next

https://www.ucXception/postpobre

ucXception

Pidstat 1

Second pidstat

⊕ **Add probe**

☑ Pidstat ⓘ

Probe Pidstat

Probe name

Second pidstat

Start Interval

1

Process Name

Codeblocks

All process children

False

System target

deechost ⌄

SSELAB_host	🗑
experimental_host	🗑

Next

https://www.ucXception/parsers

ucXception

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

Current Folder	Current Folder ⓘ	App Output MD5
App Output MD5	**App Return Code** ⓘ	
App Output MD5	✅ **App Output MD5** ⓘ	
⊕ **Add parser**		

Output Length

81245

MD5

01a86739f39ebb1e2802c84ec4ce7080

Next

https://www.ucXception/validators

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Ensure Injection	☑ Ensure Injection ⓘ	Ensure Injection
⊕ Add validator		No configuration needed

Next

https://www.ucXception/transformers

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

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

Probe(s)

deechost	⌄

Pidstat 1	🗑
Second pidstat	🗑

Next

https://www.ucXception/summary

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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

Campaign 10

Number of Runs (Injection)

10

Golden Runs

0

Fault operators

MIFS   MIA   MIEB   MFC   MLAC

Application Input

3000

Whatchdog duration (ms)

2000

System target

deechost   SSELAB_host

Execute

https://www.ucXception/summary

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

Campaign Pre-Probes Post-Probes Parsers Validators Transformers

| First probe sar | **Probe SAR Summary** |
| First probe perf | |

Start Interval

1

System target

deechost   SSELAB_host

Execute

https://www.ucXception/summary

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

Campaign   Pre-Probes   Post-Probes   Parsers   Validators   Transformers

Pidstat Test1	**Probe Pidstat Summary**
Pidstat Example 2	

Start Interval

1

Process Name

Codeblocks

All process children

False

System target

deechost   SSELAB_host

Execute

🔵

https://www.ucXception/summary

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⌂ 👤

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

Campaign   Pre-Probes   Post-Probes   Prasers   Validators   Transformers

Current Folder	**Probe Pidstat Summary**
App Output MD5	
App Output MD5	

Output Length

81245

MD5

01a86739f39ebb1e2802c84ec4ce7080

Execute