Environment: Ubuntu 18.04 X86\_64 WITH 16 GB MEMORY

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| **Subject[1]** | Python3.8.15, timeit.reindent |
| **Vulnerability Type** | OOM |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with OOM |
| **PoC** | PoC\_python3.8\_Vul/OOM-timeit.reindent.py |
| **Status** | **PoC Done** |

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| **Subject[2]** | Python3.8.15, secrets.token\_hex |
| **Vulnerability Type** | OOM |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with OOM |
| **PoC** | PoC\_python3.8\_Vul/OOM-secrets.token\_hex.py |
| **Status** | **PoC Done** |

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| **Subject[3]** | Python3.8.15, operator.lshift |
| **Vulnerability Type** | OOM && MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with OOM or MemoryError |
| **PoC** | PoC\_python3.8\_Vul/OOM-operator.lshift.py  PoC\_python3.8\_Vul/MemoryError-operator.lshift.py |
| **Status** | **PoC Done** |

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| **Subject[4]** | Python3.8.15, locale.format\_string |
| **Vulnerability Type** | OOM && MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with OOM or MemoryError |
| **PoC** | PoC\_python3.8\_Vul/OOM-locale.format\_string.py  PoC\_python3.8\_Vul/MemoryError-locale.format\_string.py |
| **Status** | **PoC Done** |

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| **Subject[5]** | Python3.8.15, string.ormatter.format\_field |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-string.ormatter.format\_field.py |
| **Status** | **PoC Done** |

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| **Subject[6]** | Python3.8.15, socket.socket.makefile |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-socket.socket.makefile.py |
| **Status** | **PoC Done** |

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| **Subject[7]** | Python3.8.15, pprint.pformat |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-pprint.pformat.py |
| **Status** | **PoC Done** |

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| **Subject[8]** | Python3.8.15, operator.mul |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-operator.mul.py |
| **Status** | **PoC Done** |

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| **Subject[9]** | Python3.8.15, tarfile.itn |
| **Vulnerability Type** | HangUp |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP hang up |
| **PoC** | PoC\_python3.8\_Vul/ HangUp-tarfile.itn.py |
| **Status** | **PoC Done** |

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| **Subject[10]** | Python3.8.15, locale.format |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-locale.format.py |
| **Status** | **PoC Done** |

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| **Subject[11]** | Python3.8.15, dis.get\_instructions |
| **Vulnerability Type** | parser stack overflow |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-dis.get\_instructions.py |
| **Status** | **PoC Done** |

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| **Subject[12]** | Python3.8.15, configparser.LegacyInterpolation.before\_get |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-configparser.LegacyInterpolation.before\_get.py |
| **Status** | **PoC Done** |

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| **Subject[13]** | Python3.8.15, calendar.TextCalendar.prmonth |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-calendar.TextCalendar.prmonth.py |
| **Status** | **PoC Done** |

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| **Subject[14]** | Python3.8.15, calendar.TextCalendar.formatday |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-calendar.TextCalendar.formatday.py |
| **Status** | **PoC Done** |

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| **Subject[15]** | Python3.8.15, calendar.isleap |
| **Vulnerability Type** | MemoryError |
| **Input** | mutated seed by PyRtFuzz |
| **Description** | With specific input, the APP can get hard crash with MemoryError |
| **PoC** | PoC\_python3.8\_Vul/MemoryError-calendar.isleap.py |
| **Status** | **PoC Done** |