| Metrics | Description | |
|------------------------------|--|--|
| Structure Dimension | | |
| | The percentages of all classes appeared in the trace that are defined in | |
| | UserCode, 3rdLib, and the SDK, respectively, counting unique class | |
| Class distribution | signatures only, and the same three percentages but counting all instances | |
| (6) | of each class signature. | |
| Method distribution | The same six percentages as for class distribution but counting method | |
| (6) | sigatures. | |
| Inter layer interaction | The percentage of calls appeared in the trace that are between any two of | |
| Inter-layer interaction | The percentage of calls appeared in the trace that are between any two of | |
| (9) | the three layers (UserCode, 3rdLib, SDK), counting all instances of calls. | |
| | The percentage of all executed components that are of each of the four | |
| | component types (Activity, Service, BroadcastReceiver, ContentProvider), | |
| Component distribution | respectively, counting unique component signatures only, and the same | |
| (8) | four percentages but counting all instances of each component signature. | |
| (0) | The percentages of all exercised call targets that are lifecycle methods and | |
| | event handlers, respectively, counting unique method signatures only, and | |
| Callback invocation | the same two percentages but counting all instances of each method | |
| (4) | signature. | |
| (1) | signature. | |
| | The percentage of all invoked lifecycle methods that are in each of the five | |
| | categorizes we defined, the percentage of all invoked event handlers that | |
| | are in each of the ten categorizes we defined, all counting unique method | |
| | signatures only; and the same 15 percentages but counting all instances of | |
| Callback categorization (30) | each method signature. | |
| ICC Dimension | | |
| | The percentage of all exercised ICCs that are in each of the four possible | |
| Connection type (4) | categories, counting all instances of ICC Intents. | |
| connection type (1) | The percentages of all exercised ICCs that carry URI data only, bundle data | |
| Data payload | only, and both forms of data, respectively, counting all instances of ICC | |
| (3) | Intents. | |
| Security Dimension | | |
| | | |
| | The percentages of all exercised call targets that are sources and sinks, | |
| Source/sink invocation | respectively, counting unique method signatures only, and the same two | |
| (4) | percentages but counting all instances of each method signature. | |
| | | |
| | The percentages of all invoked sources and sinks that are risky, | |
| Risky source/sink invocation | respectively, counting unique method signatures only, and the same two | |
| (4) | percentages but counting all instances of each method signature. | |
| | The percentage of all invoked sources that are in each of the five | |
| | categorizes we used, the percentage of all invoked sinks that are in each | |
| | of the six categorizes we used, all counting unique method signatures | |
| Source/sink categorization | only; and the same 11 percentages but counting all instances of each | |
| (22) | method signature. | |

| The percentage of all invoked risky sources that are in each of the | | |
|---|--|--|
| | categorizes we used, the percentage of all invoked risky sinks that are in | |
| Risky source/sink | each of the six categorizes we used, all counting unique method | |
| categorization | signatures only; and the same 11 percentages but counting all instances of | |
| (22) | each method signature. | |

| 1 SDIK-SDIK Percentage of calls from SDIK to SDIK to SDIK SDIK SDIK SDIK SDIK SDIK SDIK SDIK | Dimension | ld | Name | Description |
|--|-----------|----|--------------------|--|
| 3 SDK->Sectode Percentage of calls from SDK to user code 3 strd.lb->SDK SDK Percentage of calls from their party it trany to SDK | | | | • |
| 3 SDK-StuberCode 4 Srot In-SDK 5 Jord In-SDK 6 Shall Is-SuberCode 6 Shall Is-SuberCode 7 UserCode-Shall In 9 UserCode-Shall In 9 UserCode-Shall In 9 UserCode-Shall In 9 UserCode-Shall In 10 userCode-shall In 10 userCode-shall In 11 Jord In-SuberCode 12 shall Is-SuberCode 13 Jord In-SuberCode 14 Jord In-SuberCode 15 Jord In-SuberCode 16 Shall Is-SuberCode 17 UserCode-Shall In 9 UserCode-Shall In 9 UserCode-Shall In 18 Jord In-SuberCode 19 UserCode-shall In 10 userCode-shall In 10 userCode-shall In 11 Jord In-SuberCode 12 shall In-SuberCode 13 Jord In-SuberCode 14 Jord In-SuberCode 15 Jord In-SuberCode 16 Jord In-SuberCode 17 Jord In-SuberCode 18 Jord In-SuberCode 19 Percontage of calls from user code to Shirt In-SuberCode-shall | | | 001/ 0 "" | Percentage of calls from SDK to third-party |
| 4 snd.lb-sSDK 5 snd.lb-sSnd.lb 6 snd.lb-sSnd.lb 7 userCode-sSld.k 8 UserCode-sSld.k 9 crosmage of calls from third-party library to him-party library 7 userCode-sSld.k 9 crosmage of calls from the party library to him-party library 9 UserCode-sSld.k 9 crosmage of calls from user code to Sld.k 8 UserCode-sSld.k 9 crosmage of calls from user code to Sld.k 9 userCode-sSld.b 10 userCode-viberCode 10 userCode-viberCode 10 userCode-disc library 11 userCode-disc library 12 add-cis library 12 add-cis library 13 userCode-disc library 14 promitting out of all executed classes that are coloned in the party library is counting unique class library 13 userCode-me 14 promitting out of all executed classes that are coloned in the party library is counting unique class signatures only 14 promitting out of all executed classes that are coloned in SDK, counting unique class signatures only 15 promitting out of all executed methods that are defined in SDK, counting unique class signatures only 16 promitting out of all executed methods that are defined in SDK, counting unique class signatures only 17 promitting out of all executed methods that are defined in third-party libraries, counting unique method signatures only 18 promitting out of all executed methods that are defined in third-party libraries, counting unique method are defined in user code, counting all class signature instances 18 promitting out of all executed methods that are defined in user code, counting all class signature instances 19 promitting out of all executed classes that are defined in user code, counting all class signature instances 19 promitting out of all executed classes that are defined in user code, counting all class signature instances 19 promitting out of all executed components, counting unique method signature instances 19 promitting out of all executed components, counting unique method signature instances 19 promitting out of all executed components, counting unique delas signatures 19 promitting out of all ex | | | | • |
| 5 Sincl. 3-SINC SINC Precentage of calls from trart-party library to third-party library to the standard standa | | | SDK->USerCode | |
| 5 3rdLib-3rdLub third-party library (1997) 6 3rdLib-JulerCode user code to SDK 7 UserCode-SISCK Percentage of calls from user code to SDK 8 UserCode-Sischub Percentage of calls from user code to SDK 9 Percentage of calls from user code to SDK 10 UserCode-Sischub Percentage of calls from user code to third-party library (1997) 10 UserCode-Sischub Percentage of calls from user code to user defined in user code, counting unique class signatures only leaves that are defined in user code, counting unique class signatures only leaves as signatures only leaves of the control of the signature of th | | 4 | 3rdLib->SDK | |
| 6 srotlub-sUserCode 7 UserCode-SSRK Percentage of calls from bind-party library to user code to SRK 8 UserCode-SVRL Percentage of calls from user code to SRK 9 Percentage of calls from user code to third-party library 10 userCode-SVRL percentage of calls from user code to third-party library 10 userCode-sVRL percentage of calls from user code to the total | | 5 | 3rdLib->3rdLib | |
| 7 Status-Society Could be a serviced to SDK Percentage of calls from user code to SDK Percentage of calls from user code to State 9 State 10 State | | 6 | | Percentage of calls from third-party library to |
| 8 UserCode-SirdLib party library 9 UserCode-SirdLib party library 9 UserCode-SiserCode 10 userCode-SiserCode 10 userCode-SiserCode 11 december of the SiserCode ode of the SiserCode of the Siser | | | | |
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| Percentage out of all executed classes that are defined in third-party libraries, counting unique class signatures only 12 side-dis side-dis signatures only Percentage out of all executed classes that are defined in SDK, counting unique class signature only Percentage out of all executed methods that are defined in SDK, counting unique method signatures only Percentage out of all executed methods that are defined in third-party libraries, counting all class adjustations of the counting all class signatures only Percentage out of all executed methods that are defined in third-party libraries, counting all class adjustations only. Percentage out of all executed classes that are defined in user code, counting all class adjustations only. Percentage out of all executed classes that are defined in user code, counting all class adjustation in the company libraries, counting all method signature in stances 19 user/Code-melns 20 3rdib-melns Percentage out of all executed methods that are defined in thirt-party libraries, counting all method signature instances Percentage out of all executed methods that are defined in SDK, counting all method signature instances Percentage out of all executed components that are defined in SDK, counting all disassing that are activity components, counting unique class signatures Percentage out of all executed components that are productage out of all executed components that are productage out of all executed components that are productage out of all executed components | | 10 | | Percentage out of all executed classes that are defined in user code, counting unique class |
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| are defined in SDK, counting all method signature instances Percentage out of all executed components that are Activity components, counting unique class signatures Percentage out of all executed components that are Activity components, counting unique class signatures Percentage out of all executed components that are Service components, counting unique class signatures Percentage out of all executed components that are BroadcastReceiver components, counting unique class signatures Percentage out of all executed components that are ContentProvider components that are ContentProvider components, counting unique class signatures Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods, we have a signature out of all executed methods that are lifecycle (callback) methods, we have a signature out of all executed methods that are event handlers (callback) methods, we have a signature servent handlers (callback) methods, we have a signature out of all executed methods that are event handlers (callback) methods, we have a signature out of all executed methods that are event handlers (callback) methods, we have a signature out of all executed methods that are event handlers (callback) methods, we ha | | | 3rdlib-meIns | |
| sdk-melns 22 activity activit | | 21 | | · · · · · · · · · · · · · · · · · · · |
| that are Activity components, counting unique class signatures Percentage out of all executed components that are BeroadcastReceiver components that are BeroadcastReceiver components that are BroadcastReceiver components that are ContentProvider components that are ContentProvider components, counting unique class signatures Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, methods | | | sdk-melns | signature instances |
| activity Class signatures | | 22 | | · · · · · · · · · · · · · · · · · · · |
| that are Service components, counting unique class signatures Percentage out of all executed components that are BroadcastReceiver components, counting unique class signatures Percentage out of all executed components that are BroadcastReceiver components, counting unique class signatures Percentage out of all executed components unique class signatures Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures | | | activity | class signatures |
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| that are BroadcastReceiver components, counting unique class signatures Percentage out of all executed components that are ContentProvider components, counting unique class signatures Percentage out of all executed components, counting unique class signatures Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures | | | service | class signatures |
| receiver counting unique class signatures Percentage out of all executed components that are ContentProvider components, counting unique class signatures Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | 24 | | · · · · · · · · · · · · · · · · · · · |
| that are ContentProvider components, counting unique class signatures Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components outling all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods signatures Percentage out of all executed methods that are lifecycle (callback) methods that are lifecycle (callback) methods, counting unique method signatures | | 24 | receiver | counting unique class signatures |
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| Percentage out of all executed components that are Activity components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods that are event handlers (callback) methods, methods, | | 25 | provider | · · · · · · · · · · · · · · · · · · · |
| activityIns signature instances Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | | | Percentage out of all executed components |
| Percentage out of all executed components that are Service components, counting all class signature instances Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components, counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, methods, | | 26 | activityIns | • • • |
| serviceIns Signature instances | | | | Percentage out of all executed components |
| Percentage out of all executed components that are BroadcastReceiver components, counting all class signature instances Percentage out of all executed components that are ContentProvider components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are lifecycle (callback) methods that are event handlers (callback) methods, methods, | | 27 | servicelns | · · · · · · · · · · · · · · · · · · · |
| receiverIns counting all class signature instances Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | | | Percentage out of all executed components |
| Percentage out of all executed components that are ContentProvider components, counting all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | 28 | receiverIns | |
| providerIns all class signature instances Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | | TOOMOTHIO | Percentage out of all executed components |
| Percentage out of all executed methods that are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | 29 | providerlas | that are ContentProvider components, counting |
| are lifecycle (callback) methods, counting unique method signatures Percentage out of all executed methods that are event handlers (callback) methods, | | | providentis | · · · · · · · · · · · · · · · · · · · |
| Percentage out of all executed methods that are event handlers (callback) methods, | | 30 | | are lifecycle (callback) methods, counting |
| are event handlers (callback) methods, | | | Ic | |
| eh counting unique method signatures | | 31 | | are event handlers (callback) methods, |
| | | | eh | counting unique method signatures |

| | 1 | Percentage out of all executed methods that |
|----|----------------------------|---|
| 32 | | are lifecycle (callback) methods, counting all |
| | Ic-ins | method signature instances |
| | | Percentage out of all executed methods that |
| 33 | eh-ins | are event handlers (callback) methods, counting all method signature instances |
| | | Percentage out of all executed lifecycle |
| | | methods that are callbacks defined in Activity |
| 34 | | components, counting unique method |
| | Activity | signatures Percentage out of all executed lifecycle |
| | | methods that are callbacks defined in Activity |
| 35 | | components, counting all method signature |
| | Activity-Ins | instances |
| | | Percentage out of all executed lifecycle methods that are callbacks defined in |
| 36 | | Application classes/subclasses, counting |
| | Application | unique method signatures |
| | | Percentage out of all executed lifecycle |
| 37 | | methods that are callbacks defined in |
| | Application-Ins | Application classes/subclasses, counting all method signature instances |
| | Application inc | Percentage out of all executed lifecycle |
| 38 | | methods that are callbacks defined in |
| 36 | Prophoset Daneit rat | BroadcastReceiver components, counting |
| | BroadcastReceiver | unique method signatures Percentage out of all executed lifecycle |
| | | methods that are callbacks defined in |
| 39 | | BroadcastReceiver components, counting all |
| | BroadcastReceiver-Ins | method signature instances |
| | | Percentage out of all executed lifecycle methods that are callbacks defined in |
| 40 | | ContentProvider components, counting unique |
| | ContentProvider | method signatures |
| | | Percentage out of all executed lifecycle |
| 41 | | methods that are callbacks defined in ContentProvider components, counting all |
| | ContentProvider-Ins | method signature instances |
| | | Percentage out of all executed lifecycle |
| 42 | | methods that are callbacks defined in Service |
| 12 | Service | components, counting unique method signatures |
| | Service | Percentage out of all executed lifecycle |
| | | methods that are callbacks defined in Service |
| 43 | | components, counting all method signature |
| | Service-Ins | instances Percentage out of all executed event handlers |
| | | that are callbacks handling system events for |
| 44 | | application management, counting unique |
| | APPLICATION_MANAGEMENT | method signatures |
| | | Percentage out of all executed event handlers that are callbacks handling system events for |
| 45 | | application management, counting all method |
| | APPLICATION_MANAGEMENT-Ins | signature instances |
| | | Percentage out of all executed event handlers |
| 46 | | that are callbacks handling system events related to system status access and |
| 40 | | management, counting unique method |
| | SYSTEM_STATUS | signatures |
| | | Percentage out of all executed event handlers |
| 47 | | that are callbacks handling system events related to system status access and |
| 7' | | management, counting all method signature |
| | SYSTEM_STATUS-Ins | instances |
| | | Percentage out of all executed event handlers that are callbacks handling system events |
| 48 | | related to location info access and |
| | | management, counting unique method |
| | LOCATION_STATUS | signatures |
| | | Percentage out of all executed event handlers that are callbacks handling system events |
| 49 | | related to location info access and |
| 49 | | management, counting all method signature |
| | LOCATION_STATUS-Ins | instances |
| | | Percentage out of all executed event handlers |
| 50 | | Percentage out of all executed event handlers that are callbacks handling system events |
| | | relevant to hardware management, counting |
| | HARDWARE_MANAGEMENT | unique method signatures |
| 51 | | Percentage out of all executed event handlers |
| | | that are callbacks handling system events |
| | | relevant to hardware management, counting all |
| | HARDWARE_MANAGEMENT-Ins | method signature instances |
| | | |

General

| I | | T | |
|-----|----|------------------------|--|
| | 52 | NETWORK_MANAGEMENT | Percentage out of all executed event handlers that are callbacks handling system events relevant to network management, counting unique method signatures |
| | 53 | NETWORK_MANAGEMENT-Ins | Percentage out of all executed event handlers that are callbacks handling system events relevant to network management, counting all method signature instances |
| | 54 | APP_BAR | Percentage out of all executed event handlers that are callbacks handling UI events relevant to application bars, counting unique method signatures |
| | 55 | APP_BAR-Ins | Percentage out of all executed event handlers that are callbacks handling events UI relevant to application bars, counting all method signature instances |
| | 56 | MEDIA_CONTROL | Percentage out of all executed event handlers that are callbacks handling UI events relevant to media controls, counting unique method signatures Percentage out of all executed event handlers |
| | 57 | MEDIA_CONTROL-Ins | that are callbacks handling UI events relevant to media controls, counting all method signature instances |
| | 58 | VIEW | Percentage out of all executed event handlers that are callbacks handling UI events relevant to Views, counting unique method signatures Percentage out of all executed event handlers |
| | 59 | VIEW-Ins | that are callbacks handling UI events relevant to Views, counting all method signature instances |
| | 60 | WIDGET | Percentage out of all executed event handlers that are callbacks handling UI events relevant to widgets, counting unique method signatures Percentage out of all executed event handlers |
| | 61 | WIDGET-Ins | that are callbacks handling UI events relevant to widgets, counting all method signature instances |
| | 62 | DIALOG | Percentage out of all executed event handlers that are callbacks handling UI events relevant to dialogs, counting unique method signatures |
| | 63 | DIALOG-Ins | Percentage out of all executed event handlers that are callbacks handling UI events relevant to dialogs, counting all method signature instances |
| | 64 | int_ex | Percentage out of all exercised ICCs that are internal explicit ICCs (those that are between components within the same app and have target specified explicitly) |
| ICC | 65 | int_im | Percentage out of all exercised ICCs that are internal implicit ICCs (those that are between components within the same app and do NOT have target specified explicitly) |
| | 66 | ext_ex | Percentage out of all exercised ICCs that are external explicit ICCs (those that are between components across two different apps and have target specified explicitly) |
| | 67 | ext_im | Percentage of all exercised ICCs that are internal implicit ICCs (those that are between components across two different apps and do NOT have target specified explicitly) |
| | 68 | data_only | Percentage out of all exercised ICCs that carry URI data only in the associated Intents (i.e., the 'data' field of Intent objects are non-void) |
| | 69 | extras_only | Percentage out of all exercised ICCs that carry extras data only in the associated Intents (i.e., the 'extras' field of Intent objects are non-void) |
| | | | |
| | 70 | data_both | Percentage out of all exercised ICCs that carry both URI and extras data only in the associated Intents (i.e., the 'data' and 'extras' fields of Intent objects are non-void) |
| | 70 | | both URI and extras data only in the associated Intents (i.e., the 'data' and 'extras' fields of |

| | | Dercentage out of all cell targets that are |
|----|---------------------------------|--|
| 73 | srcins | Percentage out of all call targets that are source APIs, counting all method signature instances |
| 74 | sinklns | Percentage out of all call targets that are sink APIs, counting all method signature instances |
| 75 | riskSrc | Percentage out of all exercised source APIs that reach (via method-level control flows) at least one sink API call, counting unique method signatures |
| 76 | riskSink | Percentage out of all exercised sink APIs that are reachable (via method-level control flows) from at least one source API call, counting unique method signatures |
| 77 | riskSrcIns | Percentage out of all exercised source APIs that reach (via method-level control flows) at least one sink API call, counting all method signature instances |
| 78 | riskSinkIns | Percentage out of all exercised sink APIs that are reachable (via method-level control flows) from at least one source API call, counting all method signature instances |
| 79 | ACCOUNT_INFORMATION | Percentage out of all exercised source APIs that access account information, counting unique method signatures Percentage out of all exercised source APIs |
| 80 | ACCOUNT_INFORMATION-Ins | that access account information, counting all method signature instances |
| 81 | ACCOUNT_INFORMATION-escape | Out of the exercised source APIs that reach (via method-level control flows) at least one sink API call, percentage that access account information, counting unique method signatures Out of the exercised source APIs that reach |
| 82 | ACCOUNT_INFORMATION-escape-Ins | (via method-level control flows) at least one sink API call, percentage that access account information, counting all method signature instances |
| 83 | CALENDAR_INFORMATION | Percentage out of all exercised source APIs that access calendar information, counting unique method signatures Percentage out of all exercised source APIs |
| 84 | CALENDAR_INFORMATION-Ins | that access calendar information, counting all method signature instances |
| 85 | CALENDAR_INFORMATION-escape | Out of the exercised source APIs that reach (via method-level control flows) at least one sink API call, percentage that access calendar information, counting unique method signatures |
| 86 | CALENDAR_INFORMATION-escape-Ins | Out of the exercised source APIs that reach (via method-level control flows) at least one sink API call, percentage that access calendar information, counting all method signature instances |
| 87 | LOCATION_INFORMATION | Percentage out of all exercised source APIs that access location information, counting unique method signatures |
| 88 | LOCATION_INFORMATION-Ins | Percentage out of all exercised source APIs that access location information, counting all method signature instances |
| 89 | LOCATION_INFORMATION-escape | Out of the exercised source APIs that reach (via method-level control flows) at least one sink API call, percentage that access location information, counting unique method signatures Out of the exercised source APIs that reach |
| 90 | LOCATION_INFORMATION-escape-Ins | (via method-level control flows) at least one sink API call, percentage that access location information, counting all method signature instances |
| 91 | NETWORK_INFORMATION | Percentage out of all exercised source APIs that access network information, counting unique method signatures |
| 92 | NETWORK_INFORMATION-Ins | Percentage out of all exercised source APIs that access network information, counting all method signature instances |
| 93 | NETWORK_INFORMATION-escape | Out of the exercised source APIs that reach (via method-level control flows) at least one sink API call, percentage that access network information, counting unique method signatures |
| 94 | NETWORK_INFORMATION-escape-Ins | Out of the exercised source APIs that reach (via method-level control flows) at least one sink API call, percentage that access network information, counting all method signature instances |

| | | In |
|-----|----------------------------|--|
| 95 | SYSTEM_SETTINGS | Percentage out of all exercised source APIs that access system settings, counting unique method signatures |
| 96 | OVOTEM OFTINGO I | Percentage out of all exercised source APIs that access system settings, counting all |
| | SYSTEM_SETTINGS-Ins | method signature instances |
| | | Out of the exercised source APIs that reach |
| 97 | | (via method-level control flows) at least one sink API call, percentage that access system |
| | SYSTEM_SETTINGS-escape | settings, counting unique method signatures |
| | | Out of the exercised source APIs that reach |
| 98 | | (via method-level control flows) at least one sink API call, percentage that access system |
| | | settings, counting all method signature |
| | SYSTEM_SETTINGS-escape-Ins | instances |
| 99 | | Percentage out of all exercised sink APIs that |
| 39 | ACCOUNT_SETTINGS | aims at operations on account settings, counting unique method signatures |
| | 7.666611_621111166 | |
| 100 | | Percentage out of all exercised sink APIs that aims at operations on account settings, |
| | ACCOUNT_SETTINGS-Ins | counting all method signature instances |
| | | |
| | | Out of the exercised sink APIs that are reachable (via method-level control flows) from |
| 101 | | at least one source API call, percentage that |
| | ACCOUNT_SETTINGS-reach | aims at operations on account settings, counting unique method signatures |
| | ACCOUNT_CET THISGS-TEACH | counting unique metriou signatures |
| | | Out of the exercised sink APIs that are |
| 102 | | reachable (via method-level control flows) from at least one source API call, percentage that |
| | | aims at operations on account settings, |
| | ACCOUNT_SETTINGS-reach-Ins | counting all method signature instances Percentage out of all exercised sink APIs that |
| 103 | | aims at file operations, counting unique method |
| | FILE | signatures Percentage out of all exercised sink APIs that |
| 104 | | aims at file operations, counting all method |
| | FILE-Ins | signature instances |
| | | Out of the exercised sink APIs that are reachable (via method-level control flows) from |
| 105 | | at least one source API call, percentage that |
| | FILE-reach | aims at file operations, counting unique method signatures |
| | | Out of the exercised sink APIs that are |
| 106 | | reachable (via method-level control flows) from at least one source API call, percentage that |
| 100 | | aims at file operations, counting all method |
| | FILE-reach-Ins | signature instances Percentage out of all exercised sink APIs that |
| 107 | | aims at logging operations, counting unique |
| | LOG | method signatures |
| 108 | | Percentage out of all exercised sink APIs that aims at logging operations, counting all method |
| | LOG-Ins | signature instances |
| | | Out of the exercised sink APIs that are reachable (via method-level control flows) from |
| 109 | | at least one source API call, percentage that |
| | LOG-reach | aims at logging operations, counting unique method signatures |
| | | Out of the exercised sink APIs that are |
| 110 | | reachable (via method-level control flows) from at least one source API call, percentage that |
| | | aims at logging operations, counting all method |
| | LOG-reach-Ins | signature instances Percentage out of all exercised sink APIs that |
| 111 | | aims at networking operations, counting unique |
| | NETWORK | method signatures |
| 112 | | Percentage out of all exercised sink APIs that aims at networking operations, counting all |
| | NETWORK-Ins | method signature instances |
| | | Out of the exercised sink APIs that are |
| 113 | | reachable (via method-level control flows) from |
| | | at least one source API call, percentage that aims at networking operations, counting unique |
| | NETWORK-reach | method signatures |
| | | Out of the exercised sink APIs that are |
| 114 | | reachable (via method-level control flows) from |
| 114 | | at least one source API call, percentage that aims at networking operations, counting all |
| | NETWORK-reach-Ins | method signature instances |
| - | • | • |

Security

| 115 | SMS_MMS | Percentage out of all exercised sink APIs that aims at messaging operations, counting unique method signatures |
|-----|---------------------------|--|
| 116 | SMS_MMS-Ins | Percentage out of all exercised sink APIs that aims at messaging operations, counting all method signature instances |
| 117 | SMS_MMS-reach | Out of the exercised sink APIs that are reachable (via method-level control flows) from at least one source API call, percentage that aims at messaging operations, counting unique method signatures |
| 118 | SMS_MMS-reach-Ins | Out of the exercised sink APIs that are reachable (via method-level control flows) from at least one source API call, percentage that aims at messaging operations, counting all method signature instances |
| 119 | SYSTEM_SETTINGS | Percentage out of all exercised sink APIs that aims at operations on system settings, counting unique method signatures |
| 120 | SYSTEM_SETTINGS-Ins | Percentage out of all exercised sink APIs that aims at operations on system settings, counting all method signature instances |
| 121 | SYSTEM_SETTINGS-reach | Out of the exercised sink APIs that are reachable (via method-level control flows) from at least one source API call, percentage that aims at operations on system settings, counting unique method signatures |
| 122 | SYSTEM_SETTINGS-reach-Ins | Out of the exercised sink APIs that are reachable (via method-level control flows) from at least one source API call, percentage that aims at operations on system settings, counting all method signature instances |