

Server Side Configuration

Mobile configuration is a server side json file which is fetched immediately after the sdk starts a new session.

The json file expose a set of parameter which control certain sdk behaviors such as masking, filtering, compression ratio etc...

Start recording parameters

Parameter Name	Description	Range	Default Value
monitorSessionRatio	Specifies the number of sessions to monitor, in %	0–100	100

Snapshot parameters

Parameter Name	Description	Range	Default Value
takeSnapshotRatio	Specifies the number of sessions which include snapshots, in %	0-100	100
screenshotOnSwipeRatio	Specifies the number of swipe operations to include in a snapshot, in %.	0–100	100
snapshotMode	A string value indicating which snapshot to include: All or Load: <ul style="list-style-type: none">• ALL: Snapshots for all event• Load: Snapshots for page loaded and first touch events	All / Load	All
minimumSecondsDelay BetweenSnapshot	Specifies the delay between snapshots, in seconds. For example, if this value is 5, it means that the minimum time between snapshots is five seconds. Other events in this time interval include only JSON	Numeric in seconds	1

Disk backup parameters

Parameter Name	Description	Range	Default Value
diskBackup	A flag indicating whether Glassbox should back up events that failed to be sent to the server. The backup is saved on the device database.	Boolean	false
maxBackupEvents	Specifies the maximum number of events to back up (applied only if the diskBackup flag is set to True).	Numeric	500
encryptDataOnDisk	A flag indicating whether or not to encrypt the data on the disk.	Boolean	false

Network Monitoring (rawCapture property)

Parameter Name	Description	Range	Default Value
maxPayloadSize	Specifies the length after which the message body will be truncated	Numeric	4096
contentType	Specifies which content types to capture	List of String	All content types
statusCodes	Specifies which status codes to capture	List of 200-599	4xx, 5xx
headersToExclude	Specifies which headers to exclude from the message	List of String	None
hosts	Specifies which hosts to capture	List of String	All hosts
urlRegex	Specifies which urls should be recorded	List of String	All urls

Content Capture (contentCapture property)

Parameter Name	Description	Range	Default Value
maxElementLength	Specifies the max length of characters to capture per element	Numeric	1000
maxViewLength	Specifies the max length of characters to capture per view	Numeric	10000

Metrics Monitor (monitorMetrics property)

Parameter Name	Description	Range	Default Value
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cpu	Monitor and report the device CPU usage	Boolean	true
battery	Monitor and report the device battery usage	Boolean	true

Crash Report (crashRecording property)

Parameter Name	Description	Range	Default Value
crashOnStartupTime	Specifies the time in milliseconds in which a crash is considered a "startup crash"	Numeric in milliseconds	2000
reportAllEventsOnCrash	Report all captured events besides the crash event	Boolean	false
collectAllThreads	Collect thread information besides the crashing thread	Boolean	false

Capabilities (capabilities property)

Parameter Name	Description	Range	Default Value
feature	Specifies the feature\capability name	rawCapture\contentCapture\okhttpCapture	None
ratio	Specifies the number of sessions in which this capability will be enabled, in %	0-100	false

Compression Settings (compressionSettings property)

Parameter Name	Description	Range	Default Value
scaleFactor	The scale factor of the image (lower value means higher quality)	Numeric	
quality	The quality of the JPEG algorithm (higher value means higher quality)	1-100	

Device Filtering (device property)

Parameter Name	Description	Range	Default Value
field	The entity field	manufacturer, osName, model, connection, core, ram	
value/values	The value with which to compare	String	
operation	The comparison operation to perform. Each operation may be negated using the <i>!</i> prefix. For example, <i>!eq</i> does not end with (something) for a case-insensitive comparison.	eq (equals), ne (not equals), gt (greater than), lt (less than), s (starts with), c (contains)	

Sensitive data

The sensitive data mode consist of 3 modes that can be configured per app or per screen.

```

"sensitiveData" : {
  "mode" : "textual" // options input | textual | strict
  "android" : { // or iOS
    "screens" : [ {
      "name" : "Login",
      "mode" : "input",
      "mask_views": [ {"id": "etBtnLogin"}],
      "unmask_views": [ {"id": "inputUserName"}]
    }
    .
    .
    .
  ]
}
}

```

Parameter Name	Description	Range	Default Value
mode	sets the masking mode for the entire application (upper mode value) or the masking mode of a specific screen (inside screen object). Note1: screen's mode override app mode. Note2: textual contains input mode by default.	input : mask all user input field and webviews (default) textual : mask all elements with textual values. strict : completely mask the entire screen.	input
name	screen to apply masking to		
mask_views	Additional views to mask on top of the views capture by the mode field.		empty
unmask_views	views to unmask (white-list) - for example unmask the user name input field which masked by the input mode.		empty

Resource Recording (iOS only)

Storyboard replay relies on resources in order to properly display the replay.

In order to do that the sdk upload resources from the device. the following configuration:

```

"resourceFetching" : {
  "forceFetching": false,
  "resourcesRecordChance" : 0.2,
  "resourcesRecordCount" : 1,
  "refreshRateInDays": 3
},
"capabilities" : [
  {
    "feature": "fetchResources",
    "ratio" : 20 // only 20% of the session will upload resources (0 -
100)
  }
]

```

Parameter Name	Description	Range	Default Value
forceFetching	controls wether the sdk should upload every new resource it encounter without try to distribute load cross different devices. note this feature should be turned on only for POC were session count is expected to be low	true // false	false
resourcesRecordChance	Probability to record a certain font (this is how we promise all possible resources will be uploaded	0 - 1	0.2
resourcesRecordCount	Controls how many resources can be uploaded per device per sesison	numeric	1
refreshRateInDays	Controls resource lifespan time in days. this tells the sdk to re upload a certain resource if a number of days had passed since the last time it was uploaded	numeric	3

Note: Like with other features, resource fetching should be enabled via capabilities

Struggle threshold

SDK can detects certain struggles automatically. struggles are divided into 2 groups.

1. an immediate action which leads to a struggle e.g click on a button with no click listener.
2. aggregated actions which leads to a struggle e.g rage clicks - repeated clicks in a given area in a final time range.

Struggle configuration Example:

```

{
  "struggles" : {
    "deadClick" : {
      "enabled" : true
    },
    "rageClick" : {
      "enabled" : true,
      "repeatedActionTrigger" : 3,
      "triggerTimeframeMs" : 3000
    }
  }
}

```

Support Struggles SDK side: TOO_MANY_TILTS, RAGE_CLICK, DEAD_CLICK, ZOOM, CRASH, ANR

Parameter Name	Description	Range	Default Value	Struggle Family
enabled	enable struggle monitoring for specific struggle type	boolean	true for all types	IMMEDIATE, AGGREGATED
repeatedActionTrigger	how many occurrence of the action to trigger a struggle	numeric	3	AGGREGATED
triggerTimeframeMs	repeatedActionTrigger should hit in a limited time range	numeric	3000	AGGREGATED

Other

Parameter Name	Description	Range	Default Value
reportEventIntervalSec	Specifies the time interval, in seconds, between agent event send tasks.	Numeric seconds	10