SIGOS App Experience

Release Notes

Application Monitoring 9.2.2
Manual Testing 9.2.2
Test Automation 9.2.2
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1. **Overview**

This release of SIGOS App Experience comes Pure mac ensemble, Android 9, iOS 12.1.4 and iPhone XS iOS support.

2. **New Features and Enhancement**

**Live Monitor Improvements**

- **Support for more flexible ‘Start at’ time options**
  
  Monitor scheduler offers now more flexibility by giving the options to start at every 5 minutes instead of every 15 minutes as before.

- **Enhanced Restart Behavior for monitors scheduled with ‘Start at’ option in conjunction with the monitor run frequency**
  
  If a monitor is scheduled with option ‘Start at’ and if for some reason the Live Monitor restarts, then instead of starting all the monitors at the same time system follows the intervals according to the initial schedule. Logic – When LM restarts the code checks the ‘Start at’ time. If it is past, then the system adds the frequency until future time is reached. That future time is marked as next run.

  **Example:**
  
  MonitorX is scheduled with a ‘Start at’ time of 12:00am and a 6hour frequency every day. The ideal runs for MonitorX are 12:00noon, 6pm, 12midnight, 6am every day. If the LM restarts at 7am then the next run will not start immediately after restart, it will start at the next scheduled frequency which is 12noon.

**AnyChart library migration v7.3.0 to v8.4.0**

Monitoring portal AnyChart library was migrated from current **v7.3.0** to the latest version **v8.4.0**. This was done to accommodate the changes and improvements such as rendering speed, full view screen etc.
Pure mac ensemble server

Ensemble Server and macbridge for iOS devices can be installed directly on Mac OS without a virtual Windows machine. Minimum SW requirements:

- iOS 11: Webdriver agent: 9.0.3
- iOS 12.x: Webdriver agent: 9.1.1
- Xcode version: 10.1
- Only supported for EBV3 and Software devices
- Appium and audio is not certified for Pure mac ensemble. However, the current installation Mac OS with virtual Windows machine is still supported with this release.

New Device Support (Please refer to Device Menu for availability to private device order):

- Samsung Galaxy Note 9
- Apple iPhone XS
- Samsung Galaxy J8
- Xiaomi MI 8
- Huawei Mate 20

Appium Support chart

<table>
<thead>
<tr>
<th>OS Version</th>
<th>Appium Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Android 7.1.1</td>
<td>1.10.0 / 1.11.1</td>
</tr>
<tr>
<td>Android 8.0.0</td>
<td>1.10.0 / 1.11.1</td>
</tr>
<tr>
<td>Android 9.0.0</td>
<td>1.10.0 / 1.11.1</td>
</tr>
<tr>
<td>iOS 11</td>
<td>1.9.1</td>
</tr>
<tr>
<td>iOS 12.1</td>
<td>1.9.1</td>
</tr>
</tbody>
</table>

Appium touch functionality is NOT supported for iOS devices
3. Updates

Android 9 supported

iOS 12.1.4 is available for both EBV3, Express and DA Hardware device platforms
iOS 12.1.4 available

iOS 12.1.4 is available for both EBV3, Express and DA Hardware device platforms

- Xcode version: 10.1
- iOS Webdriver agent for iOS11.x.x:9.0.3
- iOS Webdriver agent for iOS12.1:9.1.1

Android agent update

Android EBV3, Express and devices require a minimum of KDA Agent version 1.11.391
4. Known Issues and Limitations

iOS Devices: Scroll feature does not work in right and left orientation

Discarding Changes in Pick Data Command
When using the Pick Data command in object-based scripts on iOS devices, discarding a value by clicking the Discard button, e.g., clearing a selected date, is not reflected in the command.

Launching Studio from the Test Plan Portal on Chrome
Studio is not automatically launched when you click Access Devices in the Test Plan Portal on Chrome. To automatically launch Studio:

1 Log in to Test Plan Portal at portal.keynotedeviceanywhere.com.
2 In the Chrome address bar, enter the following string:
   `chrome://flags/#enable-npapi`
3 Click Access Devices in the Test Plan Portal to launch Studio.

You need to perform this workaround just once to be able to launch Studio.

**NOTE** You can launch Studio from the Test Plan Portal on Firefox; automatically launching Studio from the Test Plan Portal is not supported on Internet Explorer.

Hidden Objects
In some applications, objects that were visible on the previous screen but are hidden on the current screen show up in Object commands, even though they are not visible.

Creating a Text-Based State Using a Global Variable
After creating a text-based state that waits to verify a text string contained in a global variable, both the device screen captured and the Text to wait for field are empty if you reopen the implementation without acquiring the device.

Huawei Mate 20 Android 9.0 shift + swipe doesn't work
AXStudio - Problem with OCR text extraction
For text patterns with format <1 digit><whitespace><letter> the OCR adds excessive white spaces to extracted text

Limitation of Webcommands and Webdriver option
Webcommands (e.g. web wait, web edit, web touch, web form) and Open browser with webdriver option do not work on iOS devices

AppEx Portal with Google Chrome Version 72.0.3626.121
AppEx Portal displays wrong with Google Chrome Version 72.0.3626.121 (Official Build) (64-Bit)

New AnyChart Library of Monitoring Portal show several issues

Context menu items are not left aligned for some charts in full screen
Captions are shown as 01.01.1970 0:00:00 or 00:00:00 for graphs with no data.

Availability chart over time; Wrong label of y-axis (value in seconds instead of percentage).
5. Resolved Issues

9.2.2/9.2.1 Release

- 20181120420000759 Remove deleted packages from Studio
- 2018102442000431 Users see On Board Devices package
- 2018102342000102 AX - Failed monitors are not shown properly in the Monitoring Portal
- 2018073142000577 incorrect timezone on dashboard - [SIGOS#2018073142000577]
- 2018072542000614 Sorting is missing
- 2018072542000463 Frequency Issue
- 2018072542000454 Search Issue
- 2018110642000321 App Ex freezes after about 15 minutes of use with error messages logged | java.lang.OutOfMemoryError: Java heap space
- 2019031842000455 Monitoring Portal - SNMP Settings - Project Name drop down list is not sorted
- 2019030842000018 No heartbeats appearing for in ensemble log [9.2.2]
- 2019030642000423 Ensemble Mac server - constant crash on start in libusb-1.0.0.dylib upon update to 9.2.2 build
- 2019030142000021 Allow Usb debugging popup keeps coming for the android devices
- 2019022842000698 Android 9 - TouchDevice event not automatically detected for the device
- 2019022142000521 Cannot add/onboard xml for device [tried Software and Ebv2] in 9.2.2 head build
- 20190219420000506 Studio login does not work on installing Head [9.2.2] build
- 2019020442000571 Ensemble server Mac - Service crashed once
- 2019012942000232 Monitoring Portal - Migrate AnyChart library from v7.x to v8.x
- 2019012842000449 Monitoring Portal - Application report and Application Reports - Report type options are missing whitespaces
- 2019012442000607 Monitoring Portal - ERR_TOO_MANY_REDIRECTS is displayed upon clicking any link after session expired
- 2019012242000334 REST API - get-application-url returns "SUCCESS" with invalid URL for applications that were uploaded by different user of the same customer
- 2019012142000505 RESTful API - install-application - launchApplication parameter does not work
- 2018121142000541 Monitoring Portal - SNMP Settings - Project Name drop down list is empty on attempt to add or edit item
- 2018120942000581 Ensemble Pure Mac - APP_NAME and APP_LONG_NAME are misconfigured
- 2018120742000602 DA Studio - Web commands - It takes Inspect element 40-50 sec to highlight element
- 2018120542000234 iPhone Xs: Integration
- 20181129420000506 AX Studio: Link to Documentation in Studio leads to 404 page for TCD and TCE
- 2018112942000527 Ensemble server - inactivityTimeout tag doesn't seem to be used
- 2018112442000652 AX Studio: Link to Documentation in Studio Software leads to 404 page
- 2018111242000384 Device get revoked randomly with Inactivity Timeout
- 2018110942000494 Exception thrown in Head access server with missing files
- 2018111242000053 Ensemble server Mac - crash in driverinterface.dll happened several times
- 2018112842000252 SLF4J Logging for monitor-server project
- 2018112442000401 Monitoring Portal - Dashboard - All projects are displayed upon deselecting all projects in Manage filters
• 2018120442000288 App Ex Studio - Device video exceeds screen, only portion of video is shown
• 2018120442000279 Ensemble Server - Devices get released shortly after acquiring
• 2018120342000468 Access Server - web server returns error 500 for each and every request
• 2018112842000146 AX: SITE DB - PASS tests are not reflected in the SITE DB.
• 2018110542000671 [Puremac] Extracted text in Find and Touch has spaces in it
• 2018110242000382 DA Studio - Find Text and Wait Text commands do not work on pure Mac iOS devices
• 2018102342000344 DAD Portal - Device info panel is placed too high and cannot be closed easily in half-screen mode
• 2018101642000312 RESTful API - install-application command returns failure
• 2019032742000465 log.txt is huge for DA Studio and logtime1.txt is also present

9.2.0 Release
• 2018111642000436 Web Commands and Appium touch is not working on iOS 12.1 device
• 2018091442000355 Admin Portal is not working
• 2018111342000394 DA Studio - Close app commands doesn’t work with iOS11
• 2018111342000432 Monitoring portal - At certain point list of projects stops getting displayed if the Manage Filter is clicked while page is loading
• 2018111342000316 Patch of EnsembleBridge: Missing jars
• 2018110942000557 Issues while setting up iOS 12.1 device on mac
• 2018110842000077 Access Server status page broken
• 2018110642000437 Implement a feature to patch iOS 12 webdriver files from Access Server
• 2018110242000391 Find and Text command doesn’t click the required Text on the phone
• 2018110242000364 RESTful API - Unable to release device using release-device command
• 2018103142000043 Lost the usb connection and heartbeat of EBv3 device when windows 10 server is restarted
• 2018102942000388 [iOS 12] Launch app is inconsistent in launching the application
• 2018101842000391 Enterprise Portal - Export to Excel link is absent for user role
• 2018101242000481 Enterprise portal - Dashboard - Trend link pointing to wrong results
• 2018101242000463 Enterprise portal - Dashboard - If several users are logged in in same browser, Next Run is displayed in Time Zone of last logged in user
• 2018100942000461 Access Server - javax.ws.rs.WebApplicationException is displayed in log upon getting request with incorrect session id
• 2018100942000353 AX Studio: Week Day check boxes are enable in check-in state
• 2018100142000368 SLF4J Logging for Ensemble Server
• 2018110942000281 [Random] Projects list is disappeared in 'Manage Filter' popup if we leave the page idle for some time
• 2018111442000029 Implement XCode 10 path in generic config.xml file of patchmacbridge in order to support iOS 12.x devices
• KDA-9632 iOS 12 issue on Launch/Close App command in scripting
• KDA-9618 Ensemble server - No video is displayed for Android devices
• KDA-9609 Enterprise Portal - Export to Excel - "The file format and extension don't match" message is shown
• KDA-9606 Enterprise Portal - Dashboard - Users are not able to log out or switch tab if Dashboard is displayed
• KDA-9604 Access Server - SQLServerException is displayed in log upon installation
• KDA-9602 Result Portal - User is able to log in without pwd specified in DAConnectionString in web.config
• KDA-9587 Devices are offline in Studio although Heartbeat are showing up in Ensemble Server
• KDA-9331 'Future Date not allowed' - Monitoring Portal
• KDA-9259 Enterprise Portal - Dashboard - Frequency is shown incorrectly
• KDA-9131 Send mail with body as dashboard report from scheduler service for dashboard criteria
• KDA-8874 Monitoring portal - 403 error appears if the Manage Filter is clicked while page is loading

6. Appendix: Available REST APIs

REST API Functions

Please refer to the following documentation for available REST API:

• Test Automation REST API
• Application Monitoring REST API

Additional REST APIs in this release:

<table>
<thead>
<tr>
<th>Call</th>
<th>API Type</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>upload-audio</td>
<td>Ensemble server</td>
<td>Uploading an audio file</td>
</tr>
<tr>
<td>play-audio</td>
<td>Ensemble server</td>
<td>Play an uploaded audio file</td>
</tr>
<tr>
<td>wait-audio</td>
<td>Ensemble server</td>
<td>Wait for an audio file</td>
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