



What's new in Survey123



Table of Contents

What's new in Survey123	3
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What's new in Survey123

Features have been added to Survey123 progressively. This topic lists features that were added at various stages of release, starting with the most recent.

Current update

Survey123 field app (version 3.3.64)

Fixes and additions include the following:

- [External GNSS receiver](#) support has now been finalized.
- Higher zoom levels in tile packages are now supported.
- Users can now zoom in further than a tile package's maximum range.
- Fixed a bug preventing the spinner appearance type's buttons from functioning with empty values.
- Fixed issues with date question display in certain languages.
- App will no longer use the same sign-in credentials entered at the beginning of the app session for all subsequent sign-in attempts when configured with an IWA portal on non-Windows devices.

Survey123 Connect (version 3.3.51)

Fixes and additions include the following:

- A new appearance type of **spike-point-to-point** has been added for image questions. This appearance type allows the use of point-to-point measurement using the Spike laser measurement solution developed by ikeGPS for iOS and Android. For more information, see [Media](#).
- A new appearance type of **symbol** has been added for geopoint questions. This appearance type allows a custom marker image to be used on a map view. For more information, see [Appearance](#).

Survey123 website

Fixes and additions include the following:

- A new **Date/Time** question type has been added.
- Support has been added for importing an existing theme from another survey.
- The **Data** page now provides the ability to edit responses to surveys published from the web designer.
- The **Analyze** page now supports displaying the original responses for text questions.
- The thank you screen displayed on survey submission can now be edited in the web designer for surveys created in Survey123 Connect.
- Automatic naming of questions and choices has been improved.
- Various bug fixes have been made.

Update January 31, 2019

Minimum supported operating system versions have been updated; for updated changes, see [System requirements](#).

Survey123 field app (version 3.2.265)

Fixes and additions include the following:

- The **Location Settings** page has been redesigned.
- Blank records are no longer duplicated across nested repeats.
- SSL handshake errors will no longer be generated on Android devices running version 7.0 or later.
- Geopoint, image, and select one questions hidden by relevant expressions in repeat records beyond the first will no longer be empty if reopened from the **Sent** box.
- Relevant expressions that reference notes inside repeats will now become active when opened from the **Drafts** box, **Sent** box, or **Inbox**.
- Data will now display in repeat records beyond the first that contains a relevant expression applied to questions within that repeat.
- App folder images, such as thumbnails and media attachments, will no longer appear in the default gallery on Android.
- Various localization and internationalization bug fixes and enhancements have been made.

Survey123 Connect (Build 3.2.196)

Fixes and additions include the following:

- Settings edited in the Survey123 website will no longer be overwritten by republishing the survey in Survey123 Connect.
- Various localization and internationalization bug fixes and enhancements have been made.

Survey123 website

Fixes and additions include the following:

- A new URL parameter is provided for the web app. The `hide` parameter will hide certain cosmetic elements of the survey, depending on what values are provided. The `hide` parameter currently supports the values `navbar`, `header`, `description`, `footer`, and `theme`.
- All fields within the underlying feature service can now be used in a report template.
- You can now check the syntax in a report template before uploading.
- The web designer can now support authoring a multiple-page survey.
- Surveys can now be published to an IWA portal.
- Word clouds in the **Analyze** page now provide the option to ignore common words.
- Maps will now appear in feature reports when using both `mapSettings` and `size` on the same map in the report template.
- Various bug fixes have been made.

Update November 1, 2018

Survey123 field app (Build 3.1.158)

Fixes and additions include the following:

- [The Settings page](#) has been redesigned.
- The app's font can now be changed [in the Settings page](#).
- The app will now alert the user when it fails to capture a location.
- The **Settings** page now contains [a Location tab](#), providing options to change when the app attempts to capture a location or to configure the alert when location capture fails.
- Improved handling of [repeat counts](#) when editing existing surveys with repeats.
- The [Survey123 URL scheme](#) now supports altitude in geopoint questions.
- Geosearch can now search all available geocoders.
- Text questions now display a [character count](#).
- A confirmation message now displays when emptying the **Sent** box.
- Calculations within repeats will no longer create related records by themselves.
- A default value applied to a cascading select will now apply the appropriate choice filter to later questions.
- A time field with a calculation applied will not cause other time fields to ignore defaults.
- Selecting an image from an Android device can now search subfolders within the DCIM folder.
- Predictive text is now disabled by default for text input questions on Android.
- Various bug fixes and improvements.

Survey123 Connect (Build 3.1.126)

Fixes and additions include the following:

- New [predictivetext](#) and [nopredictivetext](#) [appearance types](#) are available for text input questions. These appearance types enable or disable predictive text for Android and iOS devices, overriding the system default.
- The new **bind::esri:warning** column can be used to display a warning when a constraint isn't met, while still allowing the response to be sent.
- The contents of a field can now be [inserted into a note, label, or hint](#).
- Select one questions using the **autocomplete** appearance now support calculations.
- [Location quality expressions](#) are now supported.
- Various bug fixes and improvements.

Survey123 website

Fixes and additions include the following:

- Users can now configure a personal survey theme in the web designer.
- When creating a multiple choice question in the web designer, users can now set a minimum and maximum amount of selected choices.
- Queries are now available in the **Analyze** page.
- Users can now change basemaps for map views in the **Analyze** page.
- The **Analyze** page will now save the visibility settings across sessions.
- Image questions now support the use of webcams on desktop devices.
- Multiline Text questions now provide a character count to prompt users if more than the maximum field size is input.
- Backgrounds set in Survey123 Connect now display in the web app.
- Report templates can now access fields in the feature layer not present in the survey.
- Errors will now display if an invalid field name or expression causes a failure in printing report templates.
- The quality of maps and images in feature reports have been improved.

Update August 30, 2018

Survey123 field app (Build 3.0.149)

Fixes include the following:

- Geosearch options no longer obscure input.
- Various bugs were fixed with the **autocomplete** appearance for select one questions.
- Added an error explanation when attempting to submit to a feature service that doesn't allow users to add features.
- Geopoints set by calculations are no longer overridden by the device location when opening a form by URL.
- Fixed a bug that prevented data in the first repeat of a survey response from displaying when opened from the **Inbox**, **Drafts**, or **Sent** box.

Survey123 Connect (Build 3.0.142)

Fixes include the following:

- Support has been added for updated XLSForm language notation with both language and locale code, for example, `label::Español (es)`. Providing only the locale code is still supported.
- Surveys published to ArcGIS Enterprise hosted feature services now support `attachmentsByUploadID`.

Survey123 website

Fixes include the following:

- Web app survey submission no longer fails if attachments are provided to a feature service that has query capability disabled.
- Fixed instances of report templates using the incorrect `utcOffset` value.

Update August 16, 2018

Survey123 field app (Build 3.0.144)

Fixes include the following:

- Surveys set to submit unrestricted image sizes no longer limit their image sizes to 1920x1080 resolution.
- Long survey titles now wrap as expected.
- Fixed a bug that prevented the recalculate button from working for subsequent questions that referenced the same question.
- Calculations in a survey that are opened through the **Inbox**, **Drafts**, or **Sent** box will now be updated if referenced values have been updated.
- An error message now appears when trying to submit a response to a feature layer that doesn't exist.
- Horizontal accuracy value is now cleared when panning the map in a geopoint question.
- The app no longer crashes when recording audio while using Thai or Arabic on iOS.

Survey123 Connect (Build 3.0.138)

Fixes include the following:

- JPEG thumbnails no longer show as blank after downloading a survey created on the web.
- Fixed a bug that caused surveys with a single null geopoint to fail to publish.

Update July 31, 2018

Survey123 field app (Build 3.0.134)

Fixes include the following:

- An error message now appears when submitting a public survey with attachments if the service permissions prevent their submission.
- Fixed a bug that prevented geopoint responses from being converted to strings.
- Fixed various bugs that caused the app to lose sign-in on Android.

Survey123 Connect (Build 3.0.128)

Fixes include the following:

- Fixed instances of sign-in not opening on Windows.


Survey123 website

Fixes include the following:

- Printing reports that contain attachments added through ArcGIS Online Map Viewer now succeed; however, the attachment is not included.
- Printing reports with attachment questions in ArcGIS Enterprise now succeed; however, the attachment is not included.

- You can now print reports that contain large images. These images display as thumbnails.
- Fixed a bug that caused the printing of a report that calls a repeat count to fail if the repeat count is zero.
- Questions no longer appear out of order when previewed after dragging an item in the web app.
- Publishing a survey no longer fails if it contains a relevant rule and the related field has been renamed when modifying the schema.
- When setting a geopoint question in the web app, duplicate maps no longer appear in the **Default Map** drop-down list.

Update July 5, 2018

 **Note:** As of this update, Portal for ArcGIS 10.3.1 is no longer supported. Minimum supported operating system versions have also been updated; for updated recent changes, see [system requirements](#).

To allow users with now-unsupported operating systems or portals to continue to use Survey123, versions of Survey123 called Survey123 Classic and Survey123 Connect Classic are now available. These versions have the same supported versions, features, and functionality as Survey123 2.8, will not be updated, and are available on Android, Windows, Mac OS and Linux. The latest version of Survey123 field app and Survey123 Connect has been updated to 3.0, and will be continually updated.

Survey123 field app (Build 3.0.132)

Fixes and additions include the following:

- Nested repeats are now supported.
- Geosearch is now available for geopoint questions.
- The UI of **time** and **dateTime** questions have been updated, with time displays now accepting text input.
- The **annotate** appearance for **image** questions can now use a snapshot of a map to sketch on.
- Various bug fixes.

Survey123 Connect (Build 3.0.127)

Fixes and additions include the following:

- The `pulldata("@geopoint")` function now supports extracting coordinates in different formats.
- The **readonly** and **required** columns now support expressions.
- The **Manage in Survey123 website** menu option now respects the portal settings provided in Survey123 Connect.
- Repeats with an **integer** question using the **distress** appearance now clear values as expected.
- Surveys made in the Survey123 website using JPEG thumbnails no longer display with blank thumbnails when downloaded.
- Surveys can now be published to IWA portals.
- Other various bug fixes.

Survey123 website

Fixes and additions include the following:

- Webhooks are now supported. The new **Webhooks** tab on the **Settings** page can be used to set up a payload for webhook providers.
- A new **Group** question type has been added.
- Batch report printing is now supported.
- Conditional statements are now supported in report templates.
- Responses listed on the **Data** tab can now be filtered by the contents of a specific field or fields.

Update May 25, 2018

Survey123 field app (Build 2.8.2)

Fixes and additions include the following:

- Fixed a bug that prevented the downloading of public surveys.
- Fixed a bug that prevented new features from appearing in a web map with autorefresh applied.
- Fixed a bug on Windows machines that caused the field app to behave like it was offline when connected to specific offline LAN configurations.

Survey123 Connect (Build 2.8.4)

Fixes and additions include the following:

- Opening a survey that already exists in your survey library in Survey123 Connect through the Survey123 website will now delete the existing survey as expected, instead of creating a duplicate.

Survey123 website

Fixes and additions include the following:

- Version locking is now supported for the web app, allowing the survey creator to lock the survey's functionality to the version it was published at, rather than the latest version.
- A new **Single Choice Grid** question type has been added.
- The **Analyze** tab now provides a gallery for image questions.
- Barcode question responses are now visible when viewing an individual response on the **Data** tab.
- Report templates now support conditional elements to show or hide content depending on answers in the survey.
- Surveys can now be opened in Survey123 Connect from the **My Surveys** page.
- Instance names can now be set when designing a survey on the web.
- HTML tags are now supported on the thank you screen after survey submission.
- The owner of a survey can now select what constant a stakeholder can see when viewing survey results.

- Shortened URLs are now provided for sharing surveys or survey results.

Update April 3, 2018

Survey123 field app (Build 2.7.98)

Fixes and additions include the following:

- **select_one** questions now support calculations.
- The function `pulldata("@property", 'utcoffset')` can now be used to capture and record the UTC time zone offset of the device.
- Local tile packages are now accessible through the **Inbox**, **Outbox**, and **Sent** folders.
- The **annotate** appearance for **image** questions can now access an existing file to annotate.
- Input masks no longer make questions required.
- The app now returns to the top of a repeat when a new record is added.
- Questions with null field types are now recalculated when loaded from the inbox.
- Null geopoints inside of repeats now work as expected.
- Submissions no longer fail when being sent to a public, nonfederated feature service.
- Using a **select_one** question with the autocomplete appearance in a repeat no longer stops default values within the repeat being applied.
- Text questions with calculations that are not displayed as relevant are no longer submitted.
- Fixed a bug that stopped the app from navigating back to an empty required question on a failed submission.
- Required values in repeats for **integer**, **decimal**, **geopoint**, and **dateTime** questions now function as expected.
- Performing multiple `pulldata(@exif)` calls in a survey no longer causes the app to freeze.
- UI improvements have been made to **dateTime** questions and multipage surveys.
- On iOS, removing an attachment from a copied sent survey no longer causes the original attachment to fail to load if copied again.

Survey123 Connect (Build 2.7.72)

Fixes and additions include the following:

- You can now publish an app-only survey, with no associated webform. This means that surveys with large choice lists can now be published without issue.
- Survey123 Connect can now be launched using the `arcgis-survey123connect://` URL scheme. Supported parameters are `portalUrl` and `itemId`.
- Feature services created by Survey123 Connect now have the `displayField` property defined. This allows these feature services to be edited by web applications.
- Validating the input for the first selection in a cascading select now works as intended.

Survey123 website

Fixes and additions include the following:

- A new **Signature** question type has been added.
- Likert and rating questions can now be used as a trigger for relevant rules.
- Autocomplete functionality has been added for dropdown questions.
- The **horizontal-compact** appearance type applied in Survey123 Connect is now supported for single choice and multiple choice questions.
- Date questions now support month-year and year-only appearances.
- The hide-input appearance type for geopoint questions now only displays a read-only coordinates value.
- Geopoint questions can now use encoding services set in your organizational settings in place of the Esri default World Geocoding Service.
- Pulldata functionality is now supported for geopoint questions.
- Print templates now support printing different instances of the same image or geopoint answer with different parameters within the one report.
- Error reporting has been improved for print templates.
- Multiple choice questions now support choices with more than 32 characters.
- Fixed bugs and improved performance when using Internet Explorer 11.
- Fixed a bug that prevented decimal questions from accepting dots as decimal delimiters.
- Fixed various UI bugs caused by publishing a survey with empty question labels.

Update February 27, 2018

Survey123 Connect (Build 2.6.6) and Survey123 field app (Build 2.6.9)

Fixes and additions include the following:

- New appearance types **spike** and **spike-full-measure** have been added for image questions. These appearance types integrate your survey with the Spike laser measurement solution developed by ikeGPS for iOS and Android, allowing your survey to use photos taken with Spike and to extract values saved in the image. For information on using this functionality, see [Appearance](#), [Media](#), and [Measure objects using Spike](#).

Update January 23, 2018

Survey123 field app (Build 2.6.7)

Fixes and additions include the following:

- Refreshing the inbox or clearing the sent surveys box no longer deletes all responses in the inbox/sent box of other surveys.
- Improved interface for **dateTime** questions.
- A refresh button is now available to recalculate **time** questions with `now()` as a calculation.

- Camera flash is now supported.
- Zoom functionality has been added to the camera for barcode scanning.
- Fixed bug that prevented a survey being saved to drafts when the survey has a **repeat_count** value.
- The **Home** button on the **Inbox** map now zooms to home location as intended.
- Android image gallery interface and performance has been improved.

Survey123 Connect (Build 2.6.4)

Fixes and additions include the following:

- Survey123 Connect no longer crashes when attempting to set the map's zoom level.
- Labels and hints are no longer cut off when using a less than (<) symbol in most cases. See [known issues](#) for exceptions.
- Links in the side panel are no longer active when the panel is hidden.

Survey123 website

Fixes and additions include the following:

- A new, unified web app is now available for filling in surveys created from both Survey123 Connect and the Survey123 web designer.
- UI/UX improvements have been made for single choice, multiple choice, dropdown, geopoint and image questions.
- URL parameters are now supported in the web app for surveys created within the web designer.
- Report templates can now use the `webmapItemID` and `mapScale` parameters for geopoint questions.
- Report templates can now use the `utcOffset` parameter for date, time and `dateTime` questions.
- Placeholder field names no longer require leading special characters such as `@` or `%` in report templates. Usage of these leading characters is still supported.
- **Modify Schema** dialog interface has been improved.
- HTML formatting is now honored for question labels in the **Data** tab's **Individual Response** panel.
- Leading zeroes are no longer dropped from labels in the **Individual Response** panel.
- Fields in the **Individual Response** panel will no longer appear blank if the submission contains a leading zero.
- Improved precision of the marker on the map to indicate photo direction, if this information is present in the photo's EXIF data.
- Occasions where a global ID field was duplicated no longer exist.
- Users can now scroll through a survey's 'Thank You' screen when the screen's contents doesn't fit within their display.
- HTML tags used in `select_multiple` questions are no longer visible in printed reports.

Update November 21, 2017

Survey123 field app (Build 2.5.44)

Fixes and additions include the following:

- Tapping and holding a survey in the gallery immediately opens the survey ready for data collection. Tapping a survey in the gallery opens the survey contents page, where you can choose to collect a new survey or edit an existing survey.
- Connecting to a portal with an invalid or untrusted certificate no longer provides the option to connect regardless.
- Read-only questions and note questions can now be populated in the **Inbox**.
- Fixed issue that was leading to a position source closed error when using an R1 Trimble GNSS Bluetooth receiver.
- Zoom functionality has been added to the camera interface for image questions.
- Various improvements have been made to bar code scanning.
- Fixed a bug where front-facing camera feeds would display upside down on certain iOS devices.
- Improved performance of audio recording on Linux.
- Clearing and recalculating a dateTime question that uses the now() function now updates the value to the current date and time instead of the date and time from when the form was first loaded.

Survey123 Connect (Build 2.5.44)

Fixes and additions include the following:

- Adding new fields to your survey no longer requires the feature service to be re-created in most cases.
- Note questions with names will now have fields created for them in the feature service.
- Added the option to disable the **Sent** box for a survey. This stops copies of surveys being saved on the field app user's device.
- The community panel in the survey gallery now also presents the official Survey123 Twitter feed.
- Connecting to a portal with an invalid or untrusted certificate no longer provides the option to connect regardless.
- Importing Survey123 data into a geodatabase in Oracle no longer causes errors due to reserved keywords.

Survey123 website

Fixes and additions include the following:

- Survey creation now provides a Modify Schema option to change field names and choice list values.
- Nested groups and groups in repeats are now supported by the **Data** and **Analysis** tabs.
- Image metadata can now be extracted by a print template.
- Redesigned **Data** page UI.
 - Users can now play back audio question responses.
 - Additional metadata is now provided when viewing an image.
- Deleting a survey now provides the option to retain the associated feature service.

- Various bug fixes have been made.

Update September 22, 2017

Survey123 field app (2.4.71)

Fixed BUG-000106882: Using the search option in the **Inbox** opens an incorrect survey.

Update September 19, 2017

Survey123 field app (2.4.70)

Fixes and additions include the following:

- The Survey123 field app now autosaves on switching focus from a question. This allows partially completed surveys to be saved in the event of a crash.
- Repeats in surveys can now be edited.
 - By default, repeat records are not downloaded along with responses from the **Inbox**. For information on how to download repeat records for editing, see [prepare to edit existing survey data](#).
- **select_one** questions can now be set to read-only.
- The performance of bar code scanning has been improved.
- Image questions are now disabled in editing, as they are not currently supported.
- Fixed a bug where deleting an image loaded as a favorite answer would also delete the original image.
- Various bug fixes have been implemented regarding default values in repeats.
- Signature fields in repeats will now appear as attachments as expected.
- Signatures are no longer improperly cropped on MacOS.

Survey123 Connect (Build 2.4.60)

Fixes and additions include the following:

- A new question type of **audio** has been added. This allows the user to record an audio clip with the device's microphone and submit it as an attachment.
- A new appearance type of **draw** has been added for image questions. This appearance type allows the user to draw images on a full-screen canvas.
- A new appearance type of **annotate** has been added for image questions. This provides the same full-screen canvas as **draw**, with the additional ability to provide an image to draw on.
- The **bind::esri:parameters** column is now supported and available in the advanced template. This column accepts a series of values used to define parameters for editing your survey.
- The **bind::saveIncomplete** column is now supported and available in the advanced template. Entering `true` for any question will override the survey autosaving after every question, instead only saving after the questions with the value `true`.

- The **bind::esriFieldType** column now supports the option of `null`. This means that a new feature service will not contain a field for this question, and values entered into this question are not submitted in a survey response.
- The side panel of the survey gallery now presents a feed of the Survey123 GeoNet group.

Survey123 website

Fixes and additions include the following:

- Viewing individual responses now supports nested groups and repeats.
- A survey can now be reviewed after submission.
- Added support for form localization.
- Pulldata is now supported for geopoint questions when completed on the web.
- Survey responses completed on the web now attempt to submit a location even when no geopoint question is present.
- Geopoint questions now zoom to the zoom level defined in the map's settings when the location is set. When a zoom level is not defined, the question defaults to street level.
- Multiline textboxes now automatically expand as new lines are added.
- The **Data** page now provides options to export survey data in Excel (`.xlsx`) and KML (`.kml` or `.zip`) formats.
- The embedded Map Viewer is now used in some cases that would previously open a new page.
- Blank text boxes no longer display under note questions.
- When a survey's name is changed on the **Edit Survey Info** dialog box, the folder name in ArcGIS Online will also be renamed.
- Various bug fixes.

Update July 20, 2017

Survey123 Connect (Build 2.3.24)

Fixes and additions include the following:

- Improvements have been made to management of globalid and objectid fields. This allows creation of surveys on feature services that may have been created from a shapefile.
- Before a survey is published from an existing feature service, Survey123 Connect validates that all name values in the XLSForm survey worksheet are exact matches of field names in the target feature service.
- When you publish a new survey to ArcGIS Enterprise that creates a new feature service, Survey123 Connect requires that all field names in the XLSForm be lowercase.
- Support for feature service to related table relationships that have different labels has been added.
- A new appearance type of **hide-input** has been added for geopoint questions. This appearance type only applies to the survey when viewed in the web app and hides coordinate entry input, leaving only the map interface.
- Various bug fixes have been made.


Survey123 field app (2.3.29)

Fixes and additions include the following:

- Improvements have been made to labeling and spatial filtering.
- The bar code scanner now beeps on a successful read.
- When installing a new version of the app on iOS, the database is automatically restored on startup.
- Photos taken in landscape view on some iOS devices are no longer additionally rotated.
- Signatures are no longer cropped on iOS.
- Display issues with the distress appearance type on iOS have been fixed.
- A bug that prevented the text scale slider from displaying on Android has been fixed.
- Various other bug fixes have been made.

Survey123 website


Fixes and additions include the following:

- On-premises installation is now available for Portal for ArcGIS 10.4 and later.
- The **Copy link** button can now be used for surveys created in Survey123 Connect to complete the survey in a web browser.
- Viewing the results of surveys created from existing feature services is now supported.
- Limited HTML is now supported to customize the look of your survey.
- A new question type, **Note**, provides a label with no input. This behaves in the same way as note fields created through Survey123 Connect.
- The **Data** page now supports custom print, allowing an individual survey response to be printed using a user-provided template.
 **Note:** This function is currently in beta and could change in the future.
- Support for hide-input appearance in geopoints has been added. This appearance type can only be implemented through Survey123 Connect.
- Various bug fixes have been made.

Update June 30, 2017

Survey123 Connect (Build 2.2.14)

Fixes and additions include the following:

- Support for decimal time format in date calculations has been added.
 **Note:** The existing Epoch time format is still supported.

Survey123 field app (2.2.15)

Fixes and additions include the following:

- Fixed a regression issue where autocomplete questions no longer worked with cascading selects.
- The app will no longer hang when attempting to submit data to a feature service that the signed-in user can no longer access.
- Photos taken on some Android devices are now of better quality.
- In response to recent iOS security updates, the following have been repaired:
 - Sign-in with Google authentication
 - Linking to other Esri apps such as Trek2There, Navigator, and Collector

Survey123 website

Fixes and additions include the following:

- Fixed a bug that prevented signing in through SAML.

Update June 1, 2017

Survey123 Connect (Build 2.1.9)

Fixes and additions include the following:

- Surveys can be created from federated feature services.
- Aggregate functions across repeats can now be added to a survey.
- Autocomplete questions in repeats now clear their filter when opening a new repeat.
- Inbox query definitions can now include the following variables: username, email, firstName, lastName. For example, `Creator=${username}` would return all records created by the currently signed-in user.
- Questions that have default values can now be hidden.
- Font issues on Ubuntu in Japanese, Chinese, Russian, Hebrew, Korean, and Swedish have been fixed.

Survey123 field app (Build 2.1.6)

Fixes and additions include the following:

- Aggregate functions can display calculations on values across repeats.
- Autocomplete questions in repeats now clear their filter when opening a new repeat.
- Hidden fields can be populated using parameters in a URL scheme (For dates, ISO and epoch date formats should be used).
- Display of week numbers in the calendar has been improved.
- Minimum iOS version has now been increased to 9.
- Improved support for Android x86 hardware.

Survey123 website

Fixes and additions include the following:

- You can now share the results of a survey through a link, available on your survey's **Analyze** page.
- You can now download only a section of data in a feature service, defined by date range.
- Images can now be resized before printing an individual response.
- Surveys created from existing feature services are now supported.
- General performance improvements and various bug fixes.

Update May 4, 2017

Bug fixes include the following:

Survey123 Connect (Build 2.0.41) and Survey123 field app (Build 2.0.56)

- Removal of unexpected text from the UI in Russian and Vietnamese.
- When typing coordinate values on the location page while zoomed to the full extent (for example, when no location sensor is active), the confirmation check mark now becomes active, allowing you to save your edits.
- BUG-000103550—Allow use of a decimal comma when manually typing the coordinates on the location page. Decimal commas are the default in some locales, for example, Dutch and Spanish.

Update April 26, 2017

Online documentation is now available in the following languages: Arabic, French, German, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Simplified Chinese, and Spanish.

Survey123 Connect (Build 2.0.35)

Fixes and additions include the following:

- An **Inbox** can now be enabled for a survey, allowing the Survey123 field app to download and edit preexisting surveys.
- IWA authentication is now supported.
- A new appearance type of **compact** is available for groups and repeats. This appearance starts the group or repeat as collapsed, instead of initially expanded.
- The autocomplete appearance now has a button to clear existing text.
- Hindi, Bosnian, and Indonesian language support has been added.
- Various bug fixes have been made.

Survey123 field app (Build 2.0.53)

Fixes and additions include the following:

- You can now edit submitted survey responses through the **Sent** page.

- The **Inbox** page can be used to download and edit surveys that were already submitted, including on other devices. The Inbox is enabled on a per-survey basis.
- IWA authentication is now supported.
- Groups and repeats are now collapsible.
- The **Download** page now has a search bar, as well as the ability to sort by name or date created.
- Public surveys now appear on the **Download** page if they belong to the same organization as the signed-in user.
- Hindi, Bosnian, and Indonesian language support has been added.
- Various bug fixes have been made.

Survey123 website

Fixes and additions include the following:

- You can now edit a published survey in the web designer.
- A new question type of **Rating** can be added to your survey.
- Arabic, Hebrew, and Hindi language support has been added.
- Various bug fixes have been made.

Update February 28, 2017

Survey123 website

Fixes and additions include the following:

- The website now supports 32 languages. The full list can be viewed on the [system requirements](#) page.
- Improved sharing options for surveys. You can choose to create a link for your survey that will launch it in a web browser or the field app, or offers a choice of web browser or field app to the user.
- In surveys created at 1.11 and later, anonymous users can no longer query others' survey data.
- Improved information presented to users who have no surveys or are creating a new survey to guide them in getting started.
- BUG-000102897—Survey fails to publish from the website when you use more than one word for the **other** choice in a multiple choice question. This occurs only on surveys that were created from an existing survey.
- BUG-000102668—Browsing to ArcGIS Online after signing in to the Survey123 website results in an HTTP ERROR 400 page.

Survey123 web app

- Improved geopoint question displays in the web app, resulting in a better experience on a wider range of mobile devices.

Survey123 field app and Survey123 Connect

There are no updates to the Survey123 field app and Survey123 Connect for the 1.11 release.

If you want to try what's coming next in these apps, join the 2.0 beta program at <https://earlyadopter.esri.com>. The 2.0 release introduces the ability to edit existing surveys.

Update January 12, 2017

Survey123 field app (Build 1.10.25)

Bug fixes as follows:

- BUG-000101764—Surveys hang on Getting service information action when sending to Portal for ArcGIS.
- BUG-000102016—Error 202 when sending a survey created in Survey123 1.9 or earlier.

Update December 21, 2016

Survey123 Connect (Build 1.10.43)

Fixes and additions include the following:

- You can now create a survey based on a preexisting feature service. For more information, see [Use Survey123 with ArcGIS Server](#).
- Version function support added. The `version()` function can be used to display the version of your survey as defined in the **Settings** sheet.
- Survey123 Connect will now display your owned public surveys.
- The **form_id** field on the **Settings** sheet defines the target table or layer in the feature service. If empty, or if using the default name from previous versions, it defaults to the first layer in the feature service.
- The font has been changed to avoid issues with garbled text.
- The menu to launch your survey on the web has been expanded.
- Images stored in the feature service now reference the name of the question for which they were submitted.

Survey123 field app (Build 1.10.23)

Fixes and additions include the following:

- NaN handling in integer questions has been improved.
- Required fields now honor relevant expressions in groups.
- Completing a survey and choosing **Continue this survey** no longer causes duplicate surveys to be submitted.
- Improved scaling and display of date controls.
- The font has been changed to avoid issues with garbled text.
- Improved translations.

Survey123 website

Fixes and additions include the following:

- Survey results can now be shared with other users. The survey author can choose who can view the survey results on the **Collaborate** page, after which these stakeholders can view the survey's results from their **My Surveys** page.
- New question type: **website** questions only accept website URLs.
- Answers to questions can now be cached in browser cookies for the next record.
- GeoPoint questions now support searching for an address based on geocoding services.
- Improved contrast for accessibility.

Update November 7, 2016


Survey123 field app (Build 1.9.24)

Fixes and additions include the following:

- Calculations and defaults in repeat questions have been improved.
- Support for [enterprise login](#).
- Improved behavior of date and time questions.
- A wider range of Android 4.1 devices are now supported, including Leica Zeno 20 and Cedar Tree CT4 and CT7.
- Survey123 is now available from the [Amazon Marketplace](#).
- Improved support for languages if authored with a locale code for the language name.
- Improved translations.

Survey123 Connect (Build 1.9.24)

Fixes and additions include the following:

- **Integer** and **decimal** questions now have two new appearance options: `numbers` displays a custom keyboard, while `spinner` displays + and - buttons to increment or decrement the current value.
 **Note:** These appearance options can be used simultaneously on the same question.
- Support for [enterprise login](#).
- Improved handling of [empty values](#), [calculations](#), and [defaults](#).
- Support for device information to be included in a form using the `property()` function.
- The **default_language** column in the **settings** form sheet will now determine the survey's default language by locale code.
- Improved translations.

Survey123 website

Fixes and additions include the following:

- You can now make your survey public on the **Collaborate** page to share your survey with everyone.
- New question type: **email** only accepts email addresses.
- The **Data** and **Analyze** pages now include a date range filter.

- Improved means to share links on the **Collaborate** page.
- Various bug fixes.

Update September 28, 2016

Survey123 field app (Build 1.8.21)


Fixes and additions include the following:

- Required values in repeats are now honored.
- Notes within repeats will now refresh once calculated.
- Use of italics has been removed to fix the display of non-English language text.
- Surveys launched through a custom URL scheme can now automatically download surveys.

Survey123 Connect (Build 1.8.27)

Fixes and additions include the following:

- Calculation questions based on text, integer, and decimal question types will reflect the field type of their elements.

 **Note:** When performing calculations with questions of mixed type—for example, add the response of an integer question to the response of a text question—be sure to use functions to normalize the types. For more information, see [calculations](#).

- Empty values in string and numeric questions now have specific meaning for calculations and constraints. For more information, see [formulas](#).
- To display the contents of a geopoint value, you must use the string function when referencing the geopoint question in a calculation. For example, `string(${myPoint})`.
- The `pulldata()` function now supports custom parameters for geopoint questions. Use this to add location metadata to your survey.
- Use of italics has been removed to fix the display of non-English language text. You can continue to use italics in your own surveys, but use caution if your survey users will work with non-English languages on Android. For an explanation, see [known issues](#).

Update August 31, 2016

Survey123 field app (Build 1.7.20)

Fixes and additions include the following:

- EXIF metadata is now captured in photos.
- The **Survey Completed** dialog box now has an option to continue filling out the survey.
- You can now pull down on the **Download Surveys** page to refresh the survey list.
- In surveys with two image questions, rotating the second will no longer rotate the first.

- Improved relevant expression support on iOS.
- The final text question in a survey will no longer have a different font than the other questions.
- Autocomplete now searches anywhere in the string, not just the first letter.
- Improved scrolling on tablet and phone devices when keyboard is displayed.
- Improved translations.

Survey123 Connect (Build 1.7.35)

Fixes and additions include the following:

- New gallery of tutorial videos added.
- The **Create New Survey** dialog box now supports forms with media attachments.
- You can now edit a survey created in the Survey123 website in Survey123 Connect. You can also download surveys that you've stored in ArcGIS that are not on your desktop. This is helpful if you're working on more than one desktop. Create a survey on one, and download it to another to continue working.
- A variety of mathematical functions are now supported. See [Formulas](#) for a full list.
- The XLSForm function `pulldata()` is now supported, allowing you to extract data for your survey from a provided CSV file.
- Improved behavior when incorrect text is entered into the **instance_name** field, which results in a lower likelihood of send surveys errors.
- Improved translations.

Survey123 website

Fixes and additions include the following:

- You can now edit a survey created in the Survey123 website in Survey123 Connect.
- A new question type of **Image** is now available when creating surveys.
- The **Analyze** page now has the option to print your results.
- The **Data** page has a new **Individual Response** view.
- **Single choice**, **dropdown**, and **multiple choice** questions now have a **Batch edit** option. This allows you to copy and paste lists of answers from other files or delete many list items at once.

Update July 25, 2016

Survey123 field app (Build 1.6.11)

Fixes and additions include the following:

- Better support for TPKs, in particular, those created in ArcGIS Pro.
- The **Download Maps** screen now warns you if a TPK's map projection is not labelled as Web Mercator.
- Integration with Workforce for ArcGIS is now implemented.

- Zooming in geopoint questions with an offline basemap allows you to zoom into existing levels of the basemap only.
- The date used in file names of photos is the current date (in previous releases, the date was incorrect).
- The **Sign In** button is now functional on Windows Phone.
- Sign in is now possible on Android N.

Survey123 Connect (Build 1.6.11)

Fixes and additions include the following:

- A TPK can now be uploaded with a survey by placing it in the survey's media folder before publishing.
- Integration with Workforce for ArcGIS is now implemented.
- Surveys with geopoints in repeats can now be published on Windows.
- Improvements have been made to regular expression handling.
- Question names now support hyphens.
- Unicode support in CSV files has been improved.

Update June 23, 2016

Survey123 website

Fixes and additions include the following:

- Improved reporting of survey data.
- More robust data exports and better interactivity with records in the table view.
- Create and use surveys in your web browser.

Survey123 field app (Build 1.5.32)

Fixes and additions to the Survey123 field app include the following:

- Incorrect surveys no longer open after downloading a new survey.
- A **Diagnostic** tab has been added to settings, allowing for console logging.
- Traditional Chinese (Hong Kong), Traditional Chinese (Taiwan), Croatian, and Serbian language support has been added.
- UI/UX redesign.

Survey123 Connect (1.5.35)

Fixes and additions include the following:

- When creating a new survey, you now have the option to create it from a publically-shared survey as well as from surveys published by you or your organization.
- A **Diagnostic** tab has been added to settings, allowing for console logging.
- Options to duplicate and delete a survey have been added to a menu on survey thumbnails.

- Select_one questions now have an autocomplete appearance option. The option is a drop-down list with a text field to narrow your options.
- Repeats now have a minimal appearance option. A minimal repeat is closed by default and opened only when selected.
- Traditional Chinese (Hong Kong), Traditional Chinese (Taiwan), Croatian, and Serbian language support has been added.
- UI/UX redesign.

Update May 16, 2016

Survey123 website


Fixes and additions include the following:

- Faster display times for surveys with a large number of responses.
- Enhanced charting and mapping of survey responses.
- UI/UX redesign.

Survey123 field app (Build 1.4.28)

Fixes and additions include the following:

- Sign in and authentication have been improved, with Okta now supported on all platforms.
- Averaging enabled on geopoint questions.
- Photos can now be renamed, rotated, and deleted. Photo capture, browsing, and selection have been improved.

 **Note:** Windows Phone will not be updated in this release.

Survey123 Connect (Build 1.4.30)

Fixes and additions include the following:

- Ability to republish surveys without deleting existing feature services and data.
- Ability to relate a new survey to an existing feature service.
- Questions inside a repeat can now contain constraints, calculations, and required fields.
- Bar code questions now have a minimal appearance option, allowing for a simpler display.

Update April 2, 2016

Survey123 field app (Build 1.3.38)

Fixes include the following:

- Fewer errors returned when using input masks.
- Size of text and input controls can now be adjusted by the user.
- When choosing a value from a long list in a select_one question, it's now displayed as expected.

- Select_one questions that change the relevant state of a group of questions now display as expected.
- When progressing to the next record in a set of repeated questions, no previous data is displayed.
- Constraints and calculations now work with date fields.
- Integer fields no longer accept commas.
- Switching between front and back cameras has been added.
- Improved success rate when scanning bar codes.
- Improved display of the repeat navigation controls on devices where this was poor.
- Android back button no longer closes the app.

Survey123 Connect (Build 1.3.17)

Fixes and additions include the following:

- The new bind:esri::fieldAlias column replaces the field's alias with the value contained, inheriting the value contained, instead of inheriting the label value as the default.
- When inheriting the label value, the alias field no longer repeats HTML tags.
- Additional samples and templates are included.
- Size thresholds have been added to allow user control of images saved.

Update March 5, 2016

Survey123 field app (Build 1.2.89)

Fixes include the following:

- Performance—Very long lists in select questions now load faster, particularly if you use the minimal appearance.
- Date, time, and dateTime questions—Improved widgets now provided for choosing dates.
- Likert and distress appearances—Use Likert appearance on select_one type questions to display a like-dislike scale or distress appearance on an integer type question to display a green to red colored scale.
- Integer and decimal type questions—Bug fixed that was forcing these question types to be required when not flagged as required by the survey author.
- Parent record ID in repeat questions—Bug fixed that was omitting parent record IDs in repeated questions. Parent record ID is now captured as expected.
- Bar code and input masks introduced—Use these with caution, they are still a work in progress.

Survey123 Connect (Build 1.2.62)

Performance improvements experienced in the app are also experienced when previewing a survey in Survey123 Connect. You can also see how long a survey takes to load with a counter now visible at the bottom of the survey.

Survey123 website

Survey results can now be displayed at <http://survey123.arcgis.com> in map and table view. The **Summary** tab includes charts that aggregate responses to your questions.

Update February 9, 2016

Survey123 field app (Build 1.2.49)

Fixes include the following:

- Performance—Surveys now load significantly faster.
- Geopoint questions—Map preview on iOS has returned.

Survey123 Connect (Build 1.2.18)

Fixes include the following:

- Performance—Performance improvements experienced in the app are also experienced when previewing a survey in Survey123 Connect.
- Upgrade surveys—Existing surveys need to be upgraded to be able to share and download in <http://survey123.esri.com/>. Surveys that need to be upgraded display a warning symbol and can be upgraded with one click.

Survey123 website

Fixes include the following:

- Surveys can be shared with other ArcGIS users from <http://survey123.esri.com/>.
- Survey data can be downloaded from <http://survey123.esri.com/>.

Update January 6, 2016

Survey123 field app (Build 1.2.19)

New features include the following:

- [Enable copy and paste on sign-in dialog box.](#)
- [Support offline basemaps.](#)
- [Support offline basemaps.](#)

Update September 8, 2015

Survey123 Connect (Build 1.1.4)

- Fixes include the following:
 - [Relevant expressions work again.](#)
 - [Required signature image is recognized \(hotfix\).](#)

- New features include the following:
 - First implementation of cascading selects and repeats.
 - To test cascading selects and repeats in the app, it is necessary to install the beta version from HockeyApp (requests to join beta program must be sent to survey123@esri.com).
 - Support for cascading selects and repeats is planned for October update.

Update August 31, 2015

Survey123 Connect (Build 1.0.158)

Fixes include the following:

- [Run Survey123 Connect in Windows 10.](#)
- [Solved issues using Survey123 Connect through proxy servers, causing XLSForm Conversion Failed errors.](#)
- [Create surveys using special characters in the name.](#)

Survey123 field app

All new features planned for this milestone have been pushed to the next planned update (October 1, 2015). This includes cascaded selects and Windows Phone 8 and 8.1 support. Support for XLSForm repeats continues to be planned for the October 1 update as well.

A known issue is that relevant expressions are not being honored in the form preview in Survey123 Connect. Relevant expressions are still honored as expected in the Survey 123 app. Note: This issue is fixed in version 1.1.4 (see September 8, 2015 update).