

## App Configuration for 3D Survey

App configuration is stored in the config\publicSurvey\_config.json file. This file must be valid JSON; a JSON validator such as JSONLint (<http://jsonlint.com/#>) is highly recommended.

### Messages

Message parameters provide text and messages likely to be custom for each survey.

- `titleText`: The title to be displayed on the splash page and above the survey form. If the survey webscene ArcGIS Online item has a title, its text is used instead.
- `splashText`: The text to be displayed on the splash page below the title. If the survey webscene ArcGIS Online item has a summary, its text is used instead.
- `helpText`: The text to be displayed in the help popup box. If the survey webscene ArcGIS Online item has a description, its text is used instead.
- `finishText`: If the survey webscene has slides, the text to be displayed after at least one survey has been submitted for each slide.

### Social Media logins

Social media parameters control which social media logins are desired and, for social media that require registration, the registration ids.

- `showGuest`: Permit guest logins? True or false.
- `allowGuestSubmissions`: If guest logins are permitted, can guests submit answers to the survey? True or false.
- `showFacebook`: Permit Facebook logins? True or false.
- `facebookAppId`: If Facebook logins are permitted, this app's registration at <https://developers.facebook.com/>.
- `showGooglePlus`: Permit Google+ logins? True or false.
- `googleplusClientId`: If Google+ logins are permitted, this app's registration at <https://developers.google.com/>.
- `showTwitter`: Permit Twitter logins? True or false.

### Survey field names

Survey field name parameters let the app know what key fields are named in your survey feature layer for the purpose of submitting a survey form.

- `headingFieldName`: The heading of the webscene camera in degrees clockwise from north.
- `tiltFieldName`: The upward tilt of the webscene camera in degrees from 0° when straight down through 90° when the camera is looking parallel to the surface.
- `rollFieldName`: Reserved for the roll of the webscene camera; not currently used.
- `slidenameFieldName`: If the survey webscene has slides, the title of the slide active when the survey form was submitted. If the survey webscene does not have slides, or if no slide was active when the survey form was submitted, this field will receive an empty string.
- `surveyorFieldName`: The login name of the currently-logged-in viewer, or the language-specific term for "guest" in the nls\main\_resources.js file or its language replacement.
- `socialMediaFieldName`: The name of the social media platform used to log in ("Facebook", "Google+", or "Twitter"), or an empty string if a guest login was used.

## UI adjustments

UI adjustment parameters fine-tune some parts of the app display such as colors and desired features.

- `surveyNotificationPolicy`: Controls if and how the survey form treats important/required questions. If its value is "allImportant", the form checks each field to see if it is nullable. If it is nullable, it is considered an optional field; otherwise, it is a required field that must be completed before the form reports that the policy has been satisfied. Other policy values are ">=1"—at least one question must be answered—and "all"—all questions must be answered.
- `showSeeResponsesButton`: Show the "See responses" button; true or false
- `useWebmapOrigImg`: Use the original image stored as the webscene's ArcGIS Online item's thumbnail (true), falling back to the default image; if false, uses the default image specified by `splashBackgroundUrl`.
- `splashBackgroundUrl`: URL to a fallback or intended splash screen background image.
- `brandingImageUrl`: URL to an image to use for branding at the bottom of the survey form.
- `clusterSymDisplay`: Object containing three properties that control the display of survey feature clustering icons:
  - `averagingFieldName`: name of field to use for averaging responses
  - `averagingColorStops`: list of value-color pairs for controlling the color of the icons; icon is colored by interpolation using the stop points
  - `featureCountSizeStops`: pair of value-size pairs for controlling the size of the icons; icon is sized by interpolation using the stop points

for example, the following example uses five colors to constrain the coloring of question2 average values between 0 and 4 and sizes the icon between 20 and 60 pixels based on number of surveys between 1 and 10:

```
"clusterSymDisplay": {
  "averagingFieldName": "question2",
  "averagingColorStops": [
    {"value": 0, "color": "#00ff00"},
    {"value": 1, "color": "#80ff00"},
    {"value": 2, "color": "#ffff00"},
    {"value": 3, "color": "#ff8000"},
    {"value": 4, "color": "#ff0000"}
  ],
  "featureCountSizeStops": [
    {"value": 1, "size": 20},
    {"value": 10, "size": 60}
  ]
}
```

- `pieChartColors`: Object containing color descriptions keyed by question field name. For each entry, specify either a Dojo case-sensitive color theme name (see [http://archive.dojotoolkit.org/nightly/dojotoolkit/dojox/charting/tests/theme\\_preview.html](http://archive.dojotoolkit.org/nightly/dojotoolkit/dojox/charting/tests/theme_preview.html)) or a list of hexadecimal color specifications in the form "#<red><green><blue>", where each of the placeholders <red>, <green>, <blue> is a two-digit hexadecimal number in the range "00" (for none of that color) to "ff" (for full amount of that color) (not case sensitive), with one item in the list for each response. (If fewer specifications are provided in the list than there are responses for the question, the list automatically recycles from the beginning.) For example,

```
"pieChartColors": {
  "question1": ["#00ff00", "#ff0000", "#ffff00"],
  "question2": ["#00ff00", "#80ff00", "#ffff00", "#ff8000", "#ff0000"]
}
```

## General app parameters

General app parameters are for details that do not usually need modification.

- `urlParamsFilter`: Set of parameters accepted in the app's URL; "locale" is also accepted, but is not listed.
- `portalurl`: URL of ArcGIS portal, e.g., <https://www.arcgis.com>
- `googleplusLogoutUrl`: URL used by Google+ for logout.
- `twitterSignInUrl`: URL used by Twitter for login.
- `twitterUserUrl`: URL to ArcGIS.com proxy to access Twitter.
- `twitterCallbackUrl`: URL used by Twitter to call back to application.

## URL Configuration

Some app configuration parameters are supplied or can be overridden via the URL.

- `webscene`: ArcGIS item id, e.g., 0bba4e0a1845cde7b64a572d9574145c.
- `survey`: optional name of feature layer to use for survey responses; if not supplied, first feature layer in `webscene` is used.
- `portalurl`: optional override; see General app parameters, above.