



Purpose: Document stealth configuration options (e.g. stealth.conf, Conform)



Other documentation pages

Some features also have pages describing all of their configuration options (app configs + keywords) in one place, usually with examples. So if you need more information about one of the following features, those might be helpful:

- [Activities Table](#)
- [Activity Editing](#)
- [Activity Manager](#)
- [Basic Quick Filter](#)
- [CSV Import Stealth Feature](#)
- [Image Thumbnail Baseball Card](#)
- [Layer Library](#)
- [Live Layers](#)
- [Notifications](#)
- [Saved Filters](#)
- [Schedule Editor](#)
- [Search](#)
- [Timelapse Bar Chart](#)
- [Timelapse Video](#)
- [Timelapse with non-point \(polygon\) geometries](#)
- [Track Cleaning \(Track Editing\)](#)
- [User Last View](#)
- [User Metrics Plugins](#)



Stealth-Next Config Options

Additional new config options introduced by the "UI-Next" initiative, also known as "Stealth-Next", are being documented in a separate location: [Stealth-Next Configuration options](#)

Configuration Options (alphabetized by Path)

Quick Links


- [app.plugins](#)
- [ogc.configs](#)
- [orion](#) (graph viewing and editing)
- [map](#)
- [timelapse](#)

Last Modified (YYYY-MM-DD)	Path	Description
	3dMap	namespace object
	3dMap.disableTilt	Optional. Disables the 3D tilt interaction (shift-drag). By default, tilt is enabled.
	3dMap.enableDebugGrid	Optional. Adds a debug tile grid to the 3D globe.

	3dMap. northPoleView	<p>Optional. The landing position when the user clicks the "Polar view" button.</p> <pre>{ longitude?: number; latitude?: number; altitude?: number; // meters }</pre> <p>The default is:</p> <pre>{ "longitude": 135, "latitude": 80, "altitude": 7500000 }</pre>
	3dMap. resolutionScale	Optional. Default=1. Sets the pixel-resolution of the 3D map. Setting it to a lower value (e.g. 0.5) makes the display pixelated but this can improve performance. However this is not recommended because pixelation degrades the image quality.
	3dMap. targetMaxFrameRate	Optional. Default=Infinity. This can be used to limit the frame rate of the 3D map. By default, when rendering, it renders on every frame (using the DOM requestAnimationFrame API). If this option sets it to a lower frame rate, the code will skip frames to stay under the given frame rate. This may improve CPU usage on slower machines but is generally not recommended.
	action- bar. actions	<p>Actions to be registered for the top search bar.</p> <pre>actions: [{ type: 'stealthSearch.SearchAction', dataSources: ["live-flights", "live-ships"], }, { type: 'stealthSearch.GoToAction', dataSources: ["live-flights", "live-ships"], },]</pre> <p>The actions are loaded by stealth-search. The type is a string referring to a window global (dot-delimited via lodash get). The object referred to is expected to be of type Action from @stealth/search.</p>
	action- bar. dataSources	An array.
	action- bar. dataSources[]. urlSearchTemplate	A template for a URL. Template uses "{{expr}}" syntax. Values include: searchTerm.
	action- bar. dataSources[]. layerName	<p>The layerName that the urlSearchTemplate refers to. E.g. "msa:ee-live". Optional. Enables Quick History options in search results menus.</p> <p>This layerName will be looked up with `DataSourceManager.getDataSourceByLayerName`. If the layer exists, it examines its `stealth.capability.timelapse` keywords in order to generate the Quick History menu options. See the Stealth Keywords page for more details on these keywords.</p>
	air. aircraftActivities	
	air. airspaceSuggestions. period	E.g. {number: 48, units: "hours"}

	air.classifications	
	air.editorBaseUrl	
	air.editorWorkflowUrl	
	air.kafka.restUrl	
	air.kafka.topics	
	air.lookupCacheEnabled	
	app.annotations.pointIcons	<p>Array of icon configurations for the annotations/drawing tools:</p> <pre>[{ iconClass: "fa fa-circle", iconFont: "FontAwesome", iconCode: "\uf111", name: "Circle" }, { iconClass: "ccri-icon ccri-icon-map-pin", iconFont: "CcriIcon", iconCode: "\ue003", name: "Pin" }]</pre>
	app.annotations.showGeodesicControls	<p>Boolean. Seems to default to false?</p>
	app.announcements	<p>Optional announcements. Announcements will be shown on each page load unless expired (per the `expiration` value) or if the user dismisses the announcement (individually) by checking the "Never show this message again" box (this selection is stored in cookies).</p> <pre>"announcements": [{ "title": "Announcement 1", "message": "This is an announcement." }, { "title": "Warning announcement", "message": "This is a warning announcement.", "level": "warning" }, { "title": "Expired Announcement", "message": "This is an expired announcement. It should not appear.", "expiration": "2022-01-01" }],</pre> <p>Announcement object:</p> <pre>interface IAnnouncement { title?: string; message: string; /** level defaults to 'info' */ level?: 'info' 'warning' 'error' 'success'; /** expiration is a moment-compatible input string like '2022-01-01', and is UTC. */ expiration?: string; }</pre> <p>HTML is supported in `title` and `message`.</p>
	app.apis	

	app. attribute Labels	
	app. capabilityButtonLimit	Number. Sets the default capability button limit on popups (before the rest collapse into a three dot menu) - can be overridden for specific layer by the `capability.buttonLimit` keyword (see keyword page for more info).
	app. browsers	<p>An object representation of the minimum browser versions and browsers that are supported by the application. An example configuration is:</p> <pre> { chrome: { name: "Chrome", minVersion: 21 }, firefox: { name: "Firefox", minVersion: 17 }, msie: { name: "Internet Explorer", minVersion: 11, preferred: ["Firefox", "Chrome"] }, msedge: { name: "Microsoft Edge", minVersion: 12, preferred: ["Firefox", "Chrome"] } }</pre>
	app. browserUnsupportedUrl	Optional. Defaults to 'browser.html'. The redirect url used when the 'app.browsers' check fails.
	app. browserTitle	Optional. Overrides the window title (the browser tab label). If omitted, falls back to `app.title`, and if that is also omitted, the HTML page title is unchanged.
	app. context	Sets the contextual path for looking up App Config and Keywords in the application. Default is "stealth"
	app. contextPath / app. context. path (pom)	Sets the path that the server will use to mount the application on. Default is "/\${app.context}"
	app. customModes	<p>Currently supports only "fvey" as far as I know.</p> <p>If user is already FVEY, mode is present but disabled (unless mode is already activated)</p>
	app. dateTimeFormat. date	
	app. dateTimeFormat. separator	
	app. dateTimeFormat. time	
	app. dateTimeFormat. utc	
	app. debugBuild	
	app. enableMaximize	boolean = false. If enabled, panes will have a maximize button added to the toolbar in the upper right corner of the pane.

	app.errorMessagees	<pre>{ // shows error message when there is a cql error "cqlErrorEnable": true, // optional, defaults to false // sets delay in cql error displaying to user "cqlErrorPollingSkips": 4, // optional, defaults to 4 // shows robust timelapse error message with instructions on how to get valid response "timelapseErrorEnable": true // optional, defaults to false }</pre>
	app.faviconUrl	string. Url of the favicon
	app.headerSubtitle	Optional=". Defines text or HTML contents for a header subtitle element. If omitted, falls back to `app.subTitle`, and if that is also omitted, the header subtitle element is empty.
	app.headerTitle	Optional=". Defines text or HTML contents for a header element. If omitted, falls back to `app.title`, and if that is also omitted, the header element is empty.
	app.logout.enabled	Boolean, default <code>false</code> adds a logout button to the menu
	app.logout.endpoints	<p>Will make a new tab, redirect or <code>http.get</code> to the url provided. Supports multiple endpoints and methods.</p> <pre>[{ method: "newTab" "redirect" "get", url: <string> }, ...]</pre>
	app.logoUrl	Optional. An image url for a header logo image. If omitted, no image is rendered.
	app.maxLoadAllLayers	Integer: sets a maximum number of layers in the Layer Library before disabling the Load Layer buttons in the ellipse menu
	app.menu.extraItems	<p>Array of objects to add to the "start" menu</p> <p>An example configuration:</p> <pre>[{ title: "Send Feedback", iconClass: "fa fa-comment", type: "Link", separator: true, metadata: { url: "mailto:noreply@ccri.com?subject=User%20Feedback&body=Hello%2C%0A%20%5BFeedback%20goes%20here%5D%0A%20Thank%20you%2C%0A%20%5BYour%20name%5D", } }]</pre>
	app.panesOpenOnStart	<p>Array of pane names (strings). If configured, opens app with the listed panes in order of listing. Overrides <code>map.startupMapManagerOpen</code> and is only applicable in docking mode.</p> <div>  The list of available panes to add to this array are limited to those that have been registered to the sidebar buttons using <code>sidebarManager.addButton</code>. Because this is programmatic, it's impossible to know definitively at config time what panes are available for this option. <p>See Matthias Dailey's Research core UI plugin system page for a potential solution to this problem.</p> </div>
	app.panesMinimizedOnStart	<p>Array of pane names (strings). If configured, opens app with the listed panes initially minimized in order of listing. If the same pane is listed in `app.panesOpenOnStart`, the pane will still be minimized (but only opened once).</p> <p>See the warning about usage of <code>app.panesOpenOnStart</code> above.</p>

	plugins	<p>A JS array that will be used by AngularJS to load plugins in Stealth. The strings in the array correspond to the AngularJS module to load. An example configuration is:</p> <pre>['stealth.air', 'stealth.bullseye', 'stealth.display', 'stealth.drawroute', 'stealth.earth', 'stealth.geo.draw', 'stealth.geo.timelapse', 'stealth.histogram', 'stealth.hover', 'stealth.legend', 'stealth.maritime', 'stealth.orion', 'stealth.query-edit', 'stealth.route-search', 'stealth.routeanalysis', 'stealth.savedqueries', 'stealth.search', 'stealth.static', 'stealth.timelapse', 'stealth.mediator.air-geo-draw', 'stealth.mediator.air-timelapse', 'stealth.mediator.earth-timelapse', 'stealth.mediator.histogram-static', 'stealth.mediator.histogram-timelapse', 'stealth.mediator.savedqueries-timelapse']</pre>
	app. preventExit	<p>boolean, Default = false. Adds a 'beforeunload' listener that unconditionally asks the user "are you sure" before closing the page. This is deprecated and not recommended.</p> <p>For a feature like this, it should not be a config flag but a global singleton that any code can use to register a flag saying "has unsaved work" or "should prevent closing".</p>
	app. showSplash	boolean. For showing or hiding a splash page upon loading the application.
	app. sidebarPanelMode	<p>Default = "classic".</p> <p>Sets the mode for sidebar panel behavior. Possible values:</p> <p>"classic" - Panels fly out from the left</p> <p>"docking" - Panels appear as views within the docking layout</p> <p>Mainly affects sidebarManager. Also used in the stealth.core.geo.controls.mapMode module run block.</p>
	app. splashUrl	The URL of the splash page that should be used if app.showSplash is true
	app. subTitle	Deprecated. Change to <code>`app.headerSubtitle`</code> (equivalent). The new name was added to match the <code>`title`</code> <code>`headerTitle`</code> change.
	app.title	<p>Deprecated. Remove this config and set <code>`app.browserTitle`</code> and <code>`app.headerTitle`</code> instead.</p> <p>Optional. This config is two things:</p> <ul style="list-style-type: none"> • as a fallback for <code>`app.browserTitle`</code>. • as a fallback for <code>`app.headerTitle`</code>. <p>However it's recommended to remove this completely to avoid activating these fallback cases which are legacy, so that omitting browserTitle/headerTitle can have a more intuitive effect.</p>
	app. version	<p>Optional="". Defines text or HTML contents for the header "version" element, to the right of the header title. If omitted, the header "version" element is empty.</p> <p>If the string value ends with 'SNAPSHOT' then that portion of the text is replaced with 'S'.</p>
	app-state. resolveRelativeUrls	(Boolean) Resolves discrepancy between saved-state and layers served up by geoserver when url in config changes from absolute to relative or vice versa. Also accounts for title change.

	app-state.shareableLink.expirationDays	
	app-state.showGenerateLink	
	arrow.batchSize	integer, optional, default 10,000.
	arrow.chart.2dhistogram.enabled	boolean, optional, default false.
	arrow.chart.canShowMultipleChartTypesAtOnce	boolean, optional, default false.
	arrow.chart.precisionLevels	Array<number>, optional, default [0.001, 0.01, 0.1, 1, 10, 100, 1000] Controls the precision level selection in the count-by. Bar chart might also use this in the future.
	arrow.chart.viewFilteringEnabledByDefault	boolean, optional, default true . Controls whether the arrow chart(s) will have its "Filter by map view" option enabled by default. <i>chart(s) here mean the 'bar' chart and '2d histogram'</i>
	arrow.table.enabled	boolean, optional, default false.
	arrow.table.viewFilteringEnabledByDefault	boolean, optional, default false.
	arrow.visualization.showPredicatePillsRoles	array of strings determining which which userroles are valid to see the predicate pills feature (crossfiltering visuals in the charts & table) An empty array opens this feature to all users
	arrow.visualization.dashboards.allowedRoles	array of strings determining which which userroles are valid to see the dashboards feature (will also give access to 'showPredicatePillsRoles' as well) An empty array opens this feature to all users
	chart.bar.maxBarsToRender	number, how many bars to render by default. If this number is left undefined, all bars are shown.
	chart.bar.dashboardBarEnabled	boolean, enable bar charts in the dashboard. defaults false
	classification.level	String ('unclassified' 'confidential' 'secret' 'topSecret' 'sci'). Controls the app's classification bar colors. This is also added as a className to the St-Header component, so that if the `app.headerTitle` html uses the `classSync` className, it will match the color of the classification bar.

	classification.options	
	classification.text	String. Controls the text in the app's classification bars.
	classification.defaults	<p>An object for holding default classifications for various features. For each entry, the key is the feature name and the value is the default classification as text. (It needs to match one of the options from classification.options). Example:</p> <pre><classification.defaults> { savedState: "UNCLASSIFIED//FOUO" } </classification.defaults></pre>
	classification.defaults.last-view	String = unclassified. Sets the classification property on last-view objects. "Default" is a misnomer here; this will be the <i>actual</i> .
	clock.dateFormat	Required for the clock. A moment format. If <i>clock.timeFormat</i> contains a "[Z]" then the date will be UTC. Example: "ddd D MMM".
	clock.initialState	Required for the clock. One of "OFF", "HEADER". Note: "POPUP" is not supported.
	clock.timeFormat	Required for the clock. A moment format. If this contains a "[Z]" then the time will be UTC. Example: "H:mm:ss [Z]"
	conformTimeout	Sets a timeout value for the Conform request. The default value is 60 seconds. Since Stealth 4.2.3
	conformUrl	The URL of a Conform service that Stealth should attempt to request its configuration from. If the request is successful it will replace the servlet injected configuration. Since Stealth 4.2.0
	context.menu.zoomTo	boolean, optional, default false. Determines if the "Zoom To" option appears all context layer menus. This option can be overridden per layer by setting the <code><ctx>.context.<workspace>.menu.zoomTo</code> option in a layer's keyword.
	coordCapture.enable	used to enable coordCapture button in stealth legacy toolbar (https://git.ccri.com/ccri/commons-ui/-/tree/main/src/stealth-coordcapture)
	deep-link.views	<p>An array of canned view configurations with the following format:</p> <pre>Deep Link Canned Views deep-link.views = [{ viewName: "Name of the view used in the url (i.e. AirTrack)", paramList: ["trackId"], //Array of parameters expected by this view urlTemplate: "?feature={%22layer%22:%22stealth:flightaware-raw-live%22,%22idField%22:%22callsign_icao%22,%22id%22:%22{{trackId}}%22,%22popup%22:1}&mapview={%22zoom%22:10}&timelapse=[{%22layer%22:%22stealth:flightaware-raw-obs%22,%22cqlFilter%22:%22callsign_icao%20%3D%20%27{{trackId}}%27%22,%22lookbackDuration%22:%22-PT1H%22,%22layerTitle%22:%22Last%20Hour%20{{trackId}}%22,%22filterGeom%22:%22POLYGON((-180%20-90,-180%2090,180%2090,180%20-90,-180%20-90))%22,%22enableCharts%22:%22true%22,%22colorMode%22:1}]", //URL Encoded url template with parameters from the paramList property interpolated with {{paramName}} description: "A description of the view" }, ...]</pre>
	defaultLoadedLayers.context	An array of datasourceIds of livecontext layers that will be loaded initially in the app. this will only occur if using the layer library

	defaultLoadedLayers.live	An array of datasourceIds of live layers that will be loaded initially in the app. this will only occur if using the layer library
	defaultDatasources.leaderboard	
	defaultDatasources.movingAOI	
	display.configs	
	display.easyButtons	<p>An array of buttons that will appear in the upper-left of the application (on the top-bar directly to the right of the application name/version). Clicking an Easy Button updates the application layout, arranging a set of displays (i.e. panes). The set of visible panes, their dimensions, and positions can all be specified in the configuration.</p> <p>An Easy Button configuration is an object. Two example and a description follows.</p> <pre> { id: "orion", iconClass: "ccri-icon ccri-icon-thresher-shark-simple", tooltipText: "SHARK (SHARED Resource Knowledge base)", sidepanel: { title: "SHARKLo Controls", makePane: true }, displays: ["map", "SharkLoGraphgraph", "SharkLoGraphtable", "SharkLoGraphinfo"] }, { id: "equipmentProfiles", iconClass: "fa-anchor", // "fa-ship" tooltipText: "Equipment Profiles", displays: [], allowedRolesPath: "orion.profileAllowedRoles" displaySearch: "SharkLoEquipmentProfile" } </pre> <p>sidepanel: if present specifies the "side" control panel which will open on the left-side of the application</p> <p>displays: array of displays (aka panes) which will be displayed. display dimension and positional information are configured on the displays themselves.</p> <p>allowedRolesPath: path to array of roles which control the visibility of the button. only users having one or more of the allowed roles will see the easy button. the button will be hidden for all other users.</p> <p>displaySearch: if present specifies a search string which will be used to find all displays containing this string. Clicking the Easy Button will open all of these displays. use this instead of the displays array to configure the button to open an array of displays (equipment profile displays in this example) specified by a search term, rather than the pre-configured array of displays.</p>
	drawroute.routesLayer	
	drawroute.routesWorkspace	
	detections.export.prefix	string. Sets a prefix to any exported detections csv file

	detection s. fieldsTra cked	number. Sets number of fields to sort by in tile-view. Defaults to `2`
	detection s. listViewL imit	number. Sets the number of max items loaded in the stealth-detections tile-view. Defaults to `10,000`
	detection s.panel. close	boolean = true . Determines if sidebar panels are closed when a vetting layer is added to the map
	detection s.tile. label. errDurati on	number. Duration of the label error border styling for the stealth-detections tile-view. Defaults to `2000`
	detection s.tile. label. timeout	number. Timeout delay when blurring type-ahead input for labels in the stealth-detections tile-view. Defaults to `500`
	detection s.tile. update. warning	number. The minimum number of selected detections needed to show the update confirmation modal when applying vetting changes. If it isn't set, the modal doesn't appear
	detection s. tileView. lazy	boolean. Enables lazy loading in the tile view
	detection s.update. url	string. Url for the kafka endpoint that collects the vetting history
	earth- timelapse .fields	
2/2021	edit. newPosit. endpoint	Endpoint for new (manual) posit. Specify full url with edit.newPosit.endpoint.explicitUrl
2/2021	edit. newPosit. latField	Specify lat field used by endpoint
2/2021	edit. newPosit. lonField	Specify lon field used by endpoint
2/2021	edit. newPosit. formGenCo nfig	Form get config block used to generate new posit form
2/2021	edit. newPosit. formGenEn dpoint	Endpoint to retrieve formGen config block from. Superceded by edit.newPosit.formGenConfig
	export. fileType	String[], list of filetypes to enable exporting
	export. endpoints	[{ "label": "sampleLabel", "url": "http://sampleUrl.com" } , ...] Creates "Send to ____" buttons next to the specified filetypes from export.fileType. Allowing said layer to be sent as geojson to the urls provided.
TBD	flags. enableTim elapseVid eo	boolean. If `true`, the timelapse video service will be initialized. See Timelapse Video

	geoserver. cqlMaxLength	
	geoserver. defaultUrl	
	geoserver. disableCapabilitiesRefresh	
	geoserver. maxGET	
	http. defaults	Sets the axios options. If present, this overwrites the default options object entirely. If omitted, the default value is {withCredentials: true}. Source
	imagery. omar. servers	
	imagery.showLayerManagerImagerySection	(Boolean, optional - defaults false) show/hide the imagery category in the layer manager. Useful now that Omar is deprecated
2021 Aug	import.wildcardFileTypes	Optional. An array of accept file type strings that indicate which files to try with all file importers. Without this, the file importer will choose an importer for the given file, based on its file extension or mime type. But the list may be incomplete, so this config can serve as a hotfix in that case. Be sure to update the known file types lists in stealth-geo/.../importer/fileTypes.ts. Note: no need to add "" to the array. Files without extensions are always considered matched and tried against all importers. Example. [".txt", "image/*", "application/vnd.geo+json"]
2021 Nov 22	import.defaultLayerPreset	(string, optional). Corresponds to an id of a layerPresets item. This sets the preselected layer preset when importing an arrow file.
2021 Nov 22	import.hideLayerPresetField	(boolean, optional). Hides the layer preset in the arrow popup.
	last-view.throttle.local	Number, ms = 60000. Throttles the writing of last-view information to localStorage.
	last-view.throttle.remote	Number, ms = 300000. Throttles the saving of last-view information to the server.
2021 Nov 22	layerPresets	(Array<ILayerPreset>, optional). An optional list of layer presets that the user can select when importing an arrow file. This sets keywords on the FILE store record, in order to emulate keywords. Because of how in AppState server keywords are tied to server records, these file keywords are a separate field in AppState, which means code doesn't automatically see them. Support must be added. Currently, layerPreset keywords are supported by: <ul style="list-style-type: none"> • BB cards (via PopupFilter.ts) See import.defaultLayerPreset and import.hideLayerPresetField which can let you suggest or force a specific layer preset.
2021 Nov 22	layerPresets []	<pre>interface ILayerPreset { id: string; order?: number; label: string; description?: string; }</pre> <p>id must be unique in layerPresets. order is ascending (0 at top, Infinity at bottom). Default order is Infinity. label appears as dropdown option text. description is shown under the dropdown.</p>

2022 Sep 07	live.list.enableDeepLinks	<boolean> A flag used to indicate that stealth.deep-linking package is being used. This will cause the menuOptions in entityListController.ts to add the sub-menu options, to launch the related artifact in a new browser tab or window.
	log.level	Sets the level of log output for cc/cori/core/log. The value in the built reference.conf file will depend on the profiles used to build: <ul style="list-style-type: none"> no profile: log.level = info debug profile: log.level = debug production profile: log.level = warn
	map.checkExtraLayers	boolean = false . A flag for whether or not Stealth will check, upon startup, that it can successfully reach the servers configured in "map.extraLayers." If Stealth cannot reach a configured extraLayer server, it's assumed that there is a certificate issue and an error toast message will display asking the user to add a certificate exception in their browser for that server.
	map.clicksearch.add.Lat-Lon	
	map.clicksearch.fixedPixelBufferdetailedZoomThreshold	
	map.clicksearch.shouldRefresh	
	map.clicksearch.strategy	
	map.clicksearch.zoomMeterBuffer	
	map.countriesOff	boolean? = false . true indicates that `Countries` will NOT appear as a choice in the Base Map dropdown, and false indicates that Countries will appear there.
	map.default3DLayer	(Optional) String Will be the id of the basemap layer that should be defaulted to when 3D map mode is turned on, should the current selected basemap not be 3D enabled. If not defined in the config, the first 3D enabled basemap will be selected from the available basemaps.
	map.detailedZoomThreshold	Map zoom level at which some layers' rendering will change to show - typically more detail when zooming in, and less detail when zooming out. At time of writing this is specific to schedule layers while they are being edited. Additional text label detail is shown when zoomed in beyond this zoom-level, and less text label detail is shown when zoomed out beyond zoom-level.
	map.extent	extent is the max extent that the map view can be moved to. This limits panning and zooming, and may limit the initExtent. The map will be centered on the center of extent, unless initCenter or initExtent are passed. If the width of the extent is >= 360, then the minX and maxX are set to -720 and 720, probably to allow panning across the international dateline. The default is [-720, -90, 720, 90]. Warning: if you set this to less than the whole world, it will break saved states that have a custom position, if they are outside the extent you set. These positions will be pushed to the closest position within the configured extent.
	map.extraLayers	Array of objects (expected properties specified below). This configuration is meant to allow you to configure layers that aren't available on the geoservers in ogc.configs. See original ticket .
	map.extraLayers[].KeywordList	Array of strings. If you expect this layer to show up in a certain place (base map list, context section, live section, etc.) it'll need the necessary keyword to put it there. (See Stealth Keywords for full list of options.)
	map.extraLayers[].Name	String. Analog of Names in geoserver, so follows the format `workspace:layerName`

	map. extraLayers [].Title	String. Analog of Titles in geoserver. This is the user-facing name of the layer.
	map. extraLayers [].maxZoom	Number
	map. extraLayers [].minZoom	Number
	map. extraLayers [].originalProje ction	String
	map. extraLayers [].queryable	Boolean. New Layer Groups should have the queryable boolean turned false, as currently Layer Groups are not queryable in Stealth
	map. extraLayers [].serverUrl	String. The URL used to fetch the map layer, since it isn't coming from geoserver.
	map. extraLayers [].tileSize	Number
	map. extraLayers [].wrapX	Boolean
	map. extraLayers [].xyz	Boolean
	map. extraLayers [].EX_Geogra phicBoundin gBox	Array of Numbers (length 4)
2021 Sep 27	map. extraLayers [].layerType	Optional. 'mvt' or 'mapbox'. mvt The 'mvt' layer type requires `tileUrlTemplate`, `projection`, `styleSource`, and (either `styleUrl` or `styleJson`). It also uses `showDeclutterToggle`. mapbox The 'mapbox' layer type requires `styleUrl`, and the top-level config `mapboxApiToken`.
2021 Sep 27	map. extraLayers [].tileUrlTem plate	Required if layerType=mvt. A url template like OpenLayers UrlTile urls. Can interpolate {x},{y},{z},{a-d}. Should include the API key. Ex: https://api.maptiler.com/tiles/v3-4326/{z}/{x}/{y}.pbf?key=IOikqgHwLbkQEtUbLv3
2021 Sep 27	map. extraLayers [].styleUrl	Used by layerType=mvt mapbox. A url to a style specification. Ex: " https://api.maptiler.com/maps/streets/style.json?key=IOikqgHwLbkQEtUbLv3 " In the case of 'mapbox' layers, the styleUrl is a string like this: "mapbox://styles/mapbox/streets-v11".
	map. extraLayers [].showDeclutt erToggle	Used by layerType=mvt. Adds a checkbox in the style panel for the MVT base layer, for enabling / disabling OpenLayers feature decluttering.
2021 Sep 27	map. extraLayers [].backdropC olor	Used by layerType=mvt. A color string like '#eeeeee' used to color the negative space of the vector tiles, because vector tiles often don't contain the "base" land features, making them transparent.

2021 Sep 27	map. extraLayers [].projection	Required if layerType=mv. The projection of the vector tiles, like "EPSG:4326". Must match the view.
2021 Sep 27	map. extraLayers [].attributions	Optional layer attributions. Used by layerType=mv.
MR 4400	map. extraLayers [].declutter	Optional: set the initial declutter flag on the OpenLayers VectorLayer. Used by layerType=mv.
	map. initCenter	Initial center of the map view. Not compatible with map.initExtent. This gets passed to ol.View constructor as the `center` option.
	map. initExtent	<p>initExtent sets the view extent that the map should initially show. This is a minimum, not a maximum, so the view may show edges outside of this extent. The map will be centered on the center of the extent.</p> <p>If map.extent is present and map.initExtent goes outside of it, then map.initExtent will be completely ignored. This is a configuration error.</p> <p>Note: you can alternatively set the map position with initCenter and initZoom/initResolution. In that case, don't set initExtent because it's incompatible and will overwrite these other settings.</p> <pre>map.initExtent = [leftLon, bottomLat, rightLon, topLat]</pre>
	map. initLayers	<p>Array of matchers for layers that will be initially toggled on. This is useful for configuring the default Base layer, and for enabling certain Context layers.</p> <pre>{ Name: "carto:dark", Workspace: "Base" serverUrl: "http://cartodb-basemaps-{a-d}.global.ssl.fastly.net/dark_all/{z}/{x}/{y}.png", }</pre> <p>All three properties are required (Name, Workspace, serverUrl), and none other are supported. (After MR 4179, `serverUrl` will be optional). These are matched against the `map.extraLayers` and `ogc.configs` config, and also layers reported by GetCapabilities responses.</p> <p>`Workspace` is matched against the layer's `<ctx>.context.<workspace>` keyword.<="" p=""> <p>To configure stealth's default base layer, there must be a `map.extraLayers` object (or GetCapabilities layer) with the keyword "<code><ctx>.context.Base</code>" (e.g. "stealth.context.Base". Add/modify the item in `map.initLayers` having `Workspace: "Base", and set `Name` and `serverUrl` to point to the intended layer.</p> <p>There should only be one item in `map.initLayers` with `Workspace: "Base".</p> </ctx>.context.<workspace>`></p>
	map. initResolution	Initial resolution of the map view. Not compatible with map.initExtent or map.initZoom. This gets passed to ol.View constructor as the `resolution` option.
	map.initTint	<p>A number between [-1...1].</p> <p>Controls the initial opacity and lightness of the map's built-in Tint layer. A value of 0 is fully transparent (no tint). -1 is fully light, and 1 is fully dark.</p> <p>The Tint layer darkens or lightens the layers beneath it.</p> <p>Also see `map.tintIndex`.</p>
	map. initZoom	Initial zoom level of the map view. Not compatible with map.initExtent or map.initResolution. This gets passed to ol.View constructor as the `zoom` option.
	map. loadTilesWhileAnimating	
	map. loadTilesWhileInteracting	
	map. mapManage rViews	

	map. maxZoom	Default 2. Map view maxZoom
	map.night. mode	LIVE or TIME_CONTROLS. Default LIVE. The initial mode for the map's Night/Day layer.
	map.night. visible	true or false. Whether or not the map's Night/Day layer is visible on the map at startup. Omitting this config entirely is same as 'false'.
	map. projection	Map view projection. Defaults to 'EPSG:4326'.
	map. scaleLineUnits	<p>Required array controlling the list of "unit modes" for the map scale line which appears in stealth's bottom bar. When a stealth user clicks on this scale line, "unit mode" cycles to the next one in the list. For example, for 'metric' the scale line display a distance in either km or m depending on the current map zoom-level, and for 'imperial' the distance is displayed in either mi or ft.</p> <p>Some supported modes:</p> <pre>"scaleLineUnits": ["metric", "imperial", "degrees", "nautical"],</pre>
	map. skipAnimation	Configures OIMap.fit() to have no animation (default, can be overridden by passing options).
	map. startupMap ManagerOp en	Boolean? Configures whether the map manager (layer manager) is open on startup. Is overridden by app.panesOpenOnStart when in docking mode.
	map. tintIndex	<p>The initial layer z-index order of the built-in Tint layer.</p> <p>By default this layer is placed above the basemap layer, but users can reorder the layers using the Style Manager.</p> <p>Also see `map.initTint`.</p>
	map.units	
	mapboxApiT oken	Configure a mapbox API token. This is used with `map.extraLayers[].layerType = 'mapbox'`. Use separate tokens for separate domains where stealth is deployed.
	measure. decimalPl aces	
	measure. maxMeasur ementsAtO nce	
	measure. maxPoints ForLineSt ring	
	movingAOI. useGeodesic	Defaults to true, uses GD_DWITHIN filter function. If set to false, it will use GeoMesa's DWITHIN filter function instead.
	ogc. configs	Array of OGC map server configurations. Here is an example with two GeoServers configured:

```
ogc: {
  configs: [
    {
      id: "ncloud",
      url: "http://nc-web.ccri.com:8090/geoserver",
      title: "NCloud",
      primary: true,
      message?: "some useful information about the configuration"
    },
    {
      id: "Optix",
      url: "cors/http://bd.optix.earth/geoserver",
      title: "Optix",
      primary: false,
      layerNames: [], // a list of layers to show, exclusive. ie: ["ga:activites"] will
only show that specific layer from that geoserver
    }
  ]
}
```

The message parameter is optional, but can be used to include some useful information about a configuration

Use the Layer array to override a layer's Title, KeywordList (add or replace), and specify KeywordsToRemove (at the time of this writing, the logic for this is [here](#)). Also layerNames is an optional exclusive list of layers to load. For example :

```
ogc: {
  configs: [
    {
      id: "ncloud",
      url: "http://nc-web.ccri.com:8090/geoserver",
      title: "NCloud",
      layerNames: ["stealth:flightSchedules"], // (Optional) will only show the layers
that are listed
      Layer: [
        {
          Name: "stealth:flightSchedules",
          KeywordList: [
            "stealth.capability.editWizard.flightSchedule.titleField=origin"
          ],
          KeywordsToRemove: ["stealth.multiselect.timelapse.colorMode"]
        }
      ]
    }
  ]
}
```



Use of KeywordsToRemove

```
"stealth.my.keyword=myValue", // incorrect
"stealth.my.keyword" // correct
```

Request timeouts can be configured at different levels. Also see the **timelapse.queryTimeout** config.

Here is an example of per-server timeouts with a default timeout:


```

ogc: {
  configs: [
    {
      id: "ncloud",
      url: "http://nc-web.ccri.com:8090/geoserver",
      title: "NCloud",
      primary: true,
      timeout: 59998 // default for server
    },
    {
      id: "Optix",
      url: "cors/http://bd.optix.earth/geoserver",
      title: "Optix",
      primary: false,
      timeout: {
        wfs: {
          GetCapabilities: 59996,
          DescribeFeatureType: 59997,
          GetFeature: {
            Arrow: 60002,
            Binary: 60003,
            default: 60004,
          },
          default: 60005,
        },
        wms: {
          GetCapabilities: 60001,
        },
        wps: 59995,
        default: 55555,
      }
    }
  ],
  // default for all servers.
  // same object structure as per-server also supported here
  timeout: 59999
}

```

Note: "Layer" is singular even though it's a list. There's a tech debt ticket to add "Layers" (plural) as an alias: [CU-5798](#)

	ogc. timeout	
	orion	object
	orion. graphs	[<graph object>] Array of graph objects. 1T is configured to have 2 graphs
	orion. graphs[]. graphId	string Id used to reference the graph object
	orion. graphs[]. data	[<data object>] Array of orion data objects. If multiple objects are present and the 'Data Sources' control is enabled the user can choose between different data sources. The first data object in the array is the default data source. 1T is configured so that each of the 2 graphs (orion and curation) has a single data source: graph.data orion and curation.data curation . Because each graph has only 1 data source, the 'Data Sources' control is disabled for each.
	orion. graphs[]. data[]. name	string The name of the data object. This displays in the 'Data Sources' control (if enabled).
	orion. graphs[]. data[]. url	string Endpoint used to search graph data. Usually limit and depth parameters are also set here ie: .../entity/graph /search?limit=1000&depth=0& More information: http://sharklo1.ccri.com:8080/swagger/#/Graph/postGraphSearch

orion. graphs[.]. data[.]. childUrl	string Endpoint used to retrieve related nodes by crawling the graph. Ultimately an id for the starting node will be passed to the endpoint from the underlying code and nodes connected to that node will be returned. The depth parameter, which is used to determine how many 'hops' away from the original node to travel, is also set here ie: <code>.../entity/graph/crawl?depth=1&</code> More information: http://sharklo1.cc.ri.com:8080/swagger/#/Graph/postGraphCrawl
orion. graphs[.]. data[.]. browseUrl	string Endpoint used to populate the browse tree in the 'Browse' control. More information: http://sharklo1.cc.ri.com:8080/swagger/#/type/getTypeHierarchy
orion. graphs[.]. data[.]. subGraphUrl	string Endpoint used to query from the browse tree. This returns all nodes of a given type. Usually the 'limit' parameter is excluded. A placeholder for the node type that the user selects is included in the string ie: <code>.../entity/graph/search/<type>?depth=0</code> More information: http://sharklo1.cc.ri.com:8080/swagger/#/Graph/graphSearchByType
orion. graphs[.]. data[.]. initialData	string Generally a query to the search endpoint to retrieve an initial data set. This can also be any other endpoint that returns data in graph format. Example: KB Server returns an initial set of data when '/search' is used without specifying any search terms.
orion. graphs[.]. data[.]. typesUrl	string Endpoint used to retrieve all available types and corresponding information. This is used to create a types dictionary to be used by the app More information: http://sharklo1.cc.ri.com:8080/swagger/#/type/getTypes
orion. graphs[.]. data[.]. editUrl	string Endpoint used to update entities in the KB. This endpoint is ALSO used to retrieve the kb editor config which is used to display node information/properties in the Details pane. The Details pane is also used as form for editing node information. The back-end handles whether or not to update the node immediately or hold it until curation has been completed. The 'action' and 'responseFormat' are also set here ie: <code>.../entity/editor?action=modify&responseFormat=orion</code> More information: http://sharklo1.cc.ri.com:8080/swagger/#/Form%20Editor%20CRUD
orion. graphs[.]. data[.]. addUrl	string Endpoint used to add new nodes to the kb. The back-end handles whether or not to write the new node immediately or hold it until curation has been completed. The 'action' and 'responseFormat' are also set here ie: <code>.../entity/editor?action=add&responseFormat=orion</code> More information: http://sharklo1.cc.ri.com:8080/swagger/#/Form%20Editor%20CRUD
orion. graphs[.]. data[.]. deleteUrl	string Endpoint used to delete nodes from the kb. The back-end handles whether or not to immediately delete the node or hold it until curation has been completed. The 'action' is also set here ie: <code>.../entity/editor?action=delete</code> More information: http://sharklo1.cc.ri.com:8080/swagger/#/Form%20Editor%20CRUD
orion. graphs[.]. data[.]. editableTypesUrl	string Endpoint used to retrieve information about which entity types can be edited, added, and deleted (via <code>.editUrl</code> , <code>.addUrl</code> , and <code>.deleteUrl</code>).. The response is used to dictate UI behavior for edit/add/delete, determining which entity types can be added via the Entity Table, and whether or not edit and delete buttons appear for a given entity on the Details pane. It is also used to determine which properties of a given node type are editable. More information: http://sharklo1.cc.ri.com:8080/swagger/#/Form%20Editor%20Access%20Rights/getEditableTypes
orion. graphs[.]. data[.]. autoSuggestUrl	string Endpoint used by the editor configs when editing an node to suggest options to the user when using combo boxes. A label is returned in the response. A placeholder for the node type that the config is requesting used as well as setting the responseFormat ie: <code>.../entity/autosuggest/<type>?responseFormat=basic</code> More information: http://sharklo1.cc.ri.com:8080/swagger/#/entitySearch/suggestEntityValuesByType

orion. graphs[data[queryUrl	string Endpoint used to return node data based on node id. This is used by form-generator to hydrate results returned by the . autoSuggestUrl endpoint when performing CRUD operations on KB nodes. More information: http://sharklo1.ccri.com:8080/swagger/#/entityCrud/getByEntityId
orion. graphs[data[metaDataU rl	string Endpoint used to retrieve node metadata that populates tooltips at the field level in the KB Details Pane. A placeholder for the node id is used ie: .../entity/<id> More information: http://sharklo1.ccri.com:8080/swagger/#/entityCrud/getByEntityId
orion. graphs[data[curationU rl	string Endpoint for retrieving nodes that need to be curated and all CRUD operations associated with node curation. More information: http://sharklo1.ccri.com:8080/swagger/#/curation
orion. graphs[data[singleEle mentQuery Url	string Endpoint used to retrieve a single element using a property query. This is specifically used to link entity references in map feature bbcards to kb entities. Generally this is the orion.graphs[data[url endpoint with parameter modifications. The depth parameter should be set to 0 and the limit parameter set to 1 if using the orion.graphs[data[url endpoint ie: .../entity/graph/search?limit=1&depth=0&query=
orion. graphs[data[elementQu eryUrl	string Endpoint used to retrieve nodes using an array of node ids. This is used to retrieve nodes from a saved state so we don't have to store all the node information in the state. Generally this is the orion.graphs[data[childUrl endpoint with parameter modifications. The depth parameter should be set to 0 if using the childUrl endpoint ie: .../entity/graph/crawl?depth=0 More information: http://sharklo1.ccri.com:8080/swagger/#/Graph/postGraphCrawl
orion. graphs[data[data	{ nodes: [], links: [] } Hard-coded data for the graph. This is rarely used so in general empty arrays should be configured here.
orion. graphs[data[data. nodes	[<node object>] The minimum requirement for a node object is {id: <string>}. Node objects can contain any other keys.
orion. graphs[data[data. links	[<link object>] The minimum requirement for a link object is {source: <number>, target: <number>} where <number> is the index of the source or target node object in the orion.graphs[data[data.nodes array
orion. graphs[data[mapMarker Settings	object Setting related to the hollow circle symbols used to render KB entities on the map.
orion. graphs[data[mapMarker Settings. radius	number Radius of the map marker
orion. graphs[data[mapMarker Settings. radiusPer centMin	number - between 0 and 1, default is 1

	<pre>orion. graphs[]. data[]. mapMarker Settings. hover. color</pre>	<p>string - hex color value, default is '#ffffff'</p> <p>The color of the hollow circle symbol rendered on the map when the mouse is hovered over the corresponding entity in either the table or the graph</p>
	<pre>orion. graphs[]. data[]. mapMarker Settings. select. color - D eprecated</pre>	<p>string</p> <p>The color of the map marker when the corresponding node is selected in either the table or the graph. This functionality has been replaced with the standard stealth select (blue diamonds)</p>
	<pre>orion. graphs[]. data[]. mapLayerN ames</pre>	<p>object</p> <p>Object which configures how KB entities are symbolized on the map. this symbolization is configured by entity type.</p> <p>At a high level, KB entities can include coordinate information, but in many cases they do not. When they do not contain coordinate info, .mapLayerNames is used to configure how coordinate information should be obtained from map layer features. This is configured per KB entityType.</p> <p>Entity types that DO contain coordinate information are referred to as static entities. For these types, orion.graphs[].data[].geoCoordsLocation is used</p>
	<pre>orion. graphs[]. data[]. mapLayerN ames. entityTyp eField</pre>	<p>string</p> <p>Which KB node property to use to determine the node's type. Typically, but not always, 'entityType'.</p>
	<pre>orion. graphs[]. data[]. mapLayerN ames.poll ingInterv alMillis</pre>	<p>number - milliseconds</p> <p>Duration of interval between automatic queries of live map layer data to obtain current location information (i.e. coordinates). These coordinates are used to update kb map marker locations.</p>
	<pre>orion. graphs[]. data[]. mapLayerN ames.long PollingIn tervalMil lis</pre>	<p>number - milliseconds</p> <p>Duration of 'long' interval between automatic queries of live map layer data. This interval is used when 'filter by map' is turned on. Generally it is longer than orion.graphs[].data[].mapLayerNames.pollingIntervalMillis to reduce the frequency of kb queries</p>
	<pre>orion. graphs[]. data[]. mapLayerN ames. layers</pre>	<p>object</p> <p>An object containing keys for each node type that can be mapped</p>
	<pre>orion. graphs[]. data[]. mapLayerN ames. layers. <entityTy pe></pre>	<p>object</p> <p>An object containing mapping config for a specific node type</p>

	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. isInternalId </pre>	<p>boolean</p> <p>Whether to use the KB node id to look up nodes. This requires the KB node id to be available in the map feature properties . For performance reasons, true is recommended if the entity id is available. If the entity id is not available, then .entityIdField and .mapIdField must be used OR .propertyMap must be used.</p> <p>NOTE: KB spatial queries will NOT work when multiple entity types are searched but not all utilize internal-id mapping</p>
	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. entityIdField </pre>	<p>string</p> <p>Which field in the KB node to use to link the kb node to the map feature. 'Dot' notation is allowed. The value should match the value of orion.graphs[].data[].mapLayerNames.layers.<entityType>.mapIdField</p> <p>Example: 'properties.isoTrigraph'</p>
	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. mapIdField </pre>	<p>string</p> <p>Which field in the map feature to use to link the feature to the kb node. The value should match the value of orion.graphs[].data[].mapLayerNames.layers.<entityType>.entityIdField</p> <p>Example: 'ISO3'</p>
	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. mapLayer </pre>	<p>string</p> <p>Which map layer to use to find the map feature who's location information is used to map the kb node</p> <p>Example: id: 'stealth.dafosAirfield'</p>
	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. geoserver </pre>	<p>string</p> <p>Configures the geoserver which contains the .mapLayer . This is a lookup by 'title' vs. the array defined at ogc.configs</p>
	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. propertyMap </pre>	<p>{string, string} - {kb property: mapLayer property}</p> <p>Can be used instead of the combination of orion.graphs[].data[].mapLayerNames.layers.<entityType>.entityIdField and orion.graphs[].data[].mapLayerNames.layers.<entityType>.mapIdField</p> <p>NOTE: mapLayer is equivalent to map feature used elsewhere</p>
	<pre> orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. entityIdTemplate </pre>	<p>string - lodash template</p> <p>Optional template to use to transform kb node properties if necessary to match map feature properties. This will supersede any other configuration in orion.graphs[].data[].mapLayerNames.layers.<entityType>.entityIdField. 'obj' references the 'properties' object in the kb node.</p> <p>Example: <% if (obj.name) { %><%=name.toUpperCase()%><% }%></p>

	<pre>orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. mapIdTemplate</pre>	<p>string - lodash template</p> <p>Optional template to use to transform map feature properties if necessary to match kb node properties. This will supersede any other configuration in <code>orion.graphs[].data[].mapLayerNames.layers.<entityType>.mapIdField</code>.</p> <p>Example: <code><%= platform.charAt(0).toUpperCase() + platform.substring(1).toLowerCase() %></code></p>
	<pre>orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. rangeRings</pre>	<p>object</p> <p>Object that contains information which configures the Moving AOI Wizard's use of the KB. This wizard can use a KB entity's property value for a Moving AOI ring radius and query. For example the property 'maximumRange' would be suitable.</p>
	<pre>orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. rangeRings.enable</pre>	<p>boolean</p> <p>Whether this node type is available to the Moving AOI Wizard</p>
	<pre>orion. graphs[]. data[]. mapLayerNames. layers. <entityType>. rangeRings. refProperty</pre>	<p>string</p> <p>Similar to how KB entity mapping requires a link between a KB node and a corresponding map feature, the same link is required for a Moving AOI ring's radius to be determined by a KB property.</p> <p>The <code>refProperty</code> specifies the KB node property key for this link. The map feature key field is configured by <code>orion.graphs[].data[].mapLayerNames.layers.<entityType>.mapIdField</code>. It will print out as <code><entityType>(<propField>: <propValue>)</code> in the 'KB Source' field in the Moving AOI wizard.</p>
	<pre>orion. graphs[]. data[]. propertyLabels</pre>	<p><code>{string: string} - {<propertyName>: <displayName>}</code></p> <p>Contains config pertaining to labels used for that data object. Any label can be added by adding a key:value pair where the key is the property name and the value is display name. This config is used when looking up the labels for properties and override any other lookups. These are used throughout the application but most heavily in the detail pane and table views.</p> <p>Usage: https://git.ccri.com/orion/orion-ui/-/blob/main/src/app/utils/helpers/labelHelper.ts</p> <p>Example: <code>{entityType: "Entity Type", proposedOn: "Proposed On"}</code></p>
	<pre>orion. graphs[]. data[]. geoCoordsLocation</pre>	<p><code>{string: string} - {<entityType>: <coordinates>}</code></p> <p>Object containing config location information for 'static' kb nodes. These are nodes that contain their location information as a property on the node as opposed to using <code>.mapLayerNames</code> to configure how KB entities are mapped. <code><coordinates></code> uses 'dot' notation and can be either a string or an object <code>{ lon: <lon coordinate property> , lat: <lat coordinate property> }</code> that references the location of the property on the entity that contains the coordinate information.</p> <p>Examples: <code>{ Airfield: "properties.pt", Airport: { "lon": "properties.lon", "lat": "properties.lat" } }</code></p>
	<pre>orion. graphs[]. graph</pre>	<p>object</p> <p>Object containing general config for the graph instance</p>
	<pre>orion. graphs[]. graph. options</pre>	<p>object</p> <p>Object containing config options for the graph instance</p>

orion. graphs[graph.opt ions. navigator	boolean or object Configuration for the 'birds eye view' navigator at the bottom right of the graph display. More information here: https://github.com/cytoscape/cytoscape.js-navigator . The navigator can be removed by setting the value to false. While this feature can be useful it does impact graph performance so if it's not needed, set it to false. Example: <pre> { container: ".ccri-graph-navigator", viewLiveFramerate: false, thumbnailEventFramerate: 1, thumbnailLiveFramerate: false, dblClickDelay: 300, removeCustomContainer: true, rerenderDelay: 1000000 } </pre>
orion. graphs[graph.opt ions. dataConfig	object Object that contains config for normalizing data. These config options provide some flexibility in cases where the back-end returns (or expects) different data structures or different data sources return different data structures.
orion. graphs[graph.opt ions. dataConfig. crawlId	string What property to pass to the childUrl (crawl) endpoint.
orion. graphs[graph.opt ions. dataConfig. source	[<string>] An array of properties that could represent the 'source' node within the 'link' data structure. The returned data is tested against each item in the array starting at index 0 Example: ["sourceId", "source", "sourceuid", "_vOut", "outV"]
orion. graphs[graph.opt ions. dataConfig. target	[<string>] An array of properties that could represent the 'target' node within the 'link' data structure. The returned data is tested against each item in the array starting at index 0 Example: ["targetId", "target", "targetuid", "_vIn", "inV"]
orion. graphs[graph.opt ions. maxZoom	number - positive number The maximum zoom level of the graph viewer. More information here: https://js.cytoscape.org/#init-opts/maxZoom
orion. graphs[graph.opt ions. maxNodes	object - { max: <number>, message: <string> } The maximum number of nodes that should be displayed in the graph. When the max is exceeded the renderer pauses and the message is displayed to the user. The user is also presented with the option to ignore this warning and continue to load all the results.
orion. graphs[graph.opt ions. maxCrawl	object - { max: <number>, message: <string> } The maximum number of nodes that will be returned when crawling from an node. This sets the limit parameter when querying the childUrl (crawl) endpoint. When the max is exceeded the renderer pauses and the message is displayed to the user. The user is also presented with the option to ignore this warning and continue to load all the results.
orion. graphs[graph.opt ions. maxSelectedObjects	number The maximum number of kb nodes that can be displayed in the Details Pane. If more than the maximum number are selected a message is displayed in the Details Pane indicating that. The user is still able select more than this number in the table or graph but the corresponding nodes will not be displayed in the Details Pane.

	orion. graphs[graph.options. objectLabels	object Object containing the config pertaining to the display names of graph nodes and edges
	orion. graphs[graph.options. objectLabels. node	string The display name (singular) used for a graph node
	orion. graphs[graph.options. objectLabels. edge	string The display name (singular) used for a graph edge
	orion. graphs[graph.options. objectLabels. article	object - { node: <string>, edge: <string> } The display name used for the articles referencing nodes and edges Example: { node: "an", edge: "a" }
	orion. graphs[graph.options. objectLabels. plural	object - { node: <string>, edge: <string> } The display name used for the plural forms of nodes and edges Example: { node: "Entities", edge: "Relationships" }
	orion. graphs[graph.options. labels	object Object containing config pertaining to labels of individual nodes and edges in the Graph, Table, and Detail Panes
	orion. graphs[graph.options. labels. edges	boolean Whether edges in the graph should have labels displayed by default
	orion. graphs[graph.options. labels. edgeAttr	string - 'dot' notation Which property on an edge should be used for the label Example: "name"
	orion. graphs[graph.options. labels. nodes	boolean Whether nodes in the graph should have labels displayed by default
	orion. graphs[graph.options. labels. nodeAttr	string - 'dot' notation Which property on a node should be used for the label Example: "properties.name"
	orion. graphs[graph.options. labels. nodeAttrOvrdr	object - { <entityType>: <property> } Overrides for the default orion.graphs[graph.options. labels. nodeAttr. These are applied at the node type level. Example: {MerchantVessel: "properties.vesselName", AircraftType: "name" }

	orion. graphs[graph.options. labels. threshold	number The graph zoom threshold at which labels in the graph appear.
	orion. graphs[graph.options. typeTemplates	object - { <type>: <template name> }
	orion. graphs[graph.options. nodeColorBy	object Object containing config pertaining to different options available for coloring nodes in the graph/table. This data is used to populate the 'Color <Nodes> By' control.
	orion. graphs[graph.options. nodeColorBy. grouping	object - { name: <string>, value: <string>, label: <string> } The default coloring method. value is the property on the node used to color and uses 'dot' notation. label is what the user sees in the control and name is what is used internally. Example: { name: "entityType", value: "entityType", label: "Entity Type" }
	orion. graphs[graph.options. nodeColorBy. available	[<string>] An array of available properties that can be used to color nodes. The properties use 'dot' notation. The label and name are extracted from the property. This is the list that will populate the dropdown in the 'Color <Nodes> By' control. Example: ["depth", "properties.vesselClass", "properties.vesselType"]
	orion. graphs[graph.options. edgeColorBy	object Object containing config pertaining to different options available for color edges in the graph. This data is used to populate the 'Color <Edges> By' control Example: { name: "name", value: "name", label: "Name" }
	orion. graphs[graph.options. edgeColorBy. grouping	object - { name: <string>, value: <string>, label: <string> } The default coloring method. value is the property on the edge used to color and uses 'dot' notation. label is what the user sees in the control and name is what is used internally.
	orion. graphs[graph.options. edgeColorBy. available	[<string>] An array of available properties that can be used to color edges. The properties use 'dot' notation. The label and name are extracted from the property. none, source, and target are special cases that don't rely on properties. source and target color the edges based on the corresponding source or target nodes while none will reset back to the default edge color. This is the list that will populate the dropdown in the 'Color <Edges> By' control. Example: ["none", "source", "target", "name", "type"]
	orion. graphs[graph.options. scaleNodes	object - { active: <boolean> }
	orion. graphs[graph.options. maxScale	number The maximum size a node will ever scale to
	orion. graphs[graph.options. nodeScaleBy	object An object containing config pertaining to the scaling of the nodes in the graph display. This config is also used to populate the 'Scale <nodes>' control.

	orion. graphs[graph. options. nodeScale By.scale	<p>object - <scale object></p> <p>An object containing the default scaling config. If the scaling is turned on by default or turned on by the user this config is used. See orion.graphs[].graph.options.nodeScaleBy.available for more details about the <scale object></p>
	orion. graphs[graph. options. nodeScale By. available	<p>[<scale object>]</p> <p>An array of <scale objects>. There are 4 types available, 3 'built-in' ones and a custom option. The 'built-in' ones are 'degreeCentrality', 'betweennessCentrality' and 'pageRank'. The custom type uses config based on node properties to scale the node. These are used to populate the scale list in the 'Scale <nodes>' control.</p> <p>Example:</p> <p>Generic config:</p> <pre> { name: 'Total Centrality', // string - display name of the scale type: 'degreeCentrality', // string - type of scaling, options currently are 'degreeCentrality', 'betweennessCentrality', 'pageRank', and 'custom' directed: false, // boolean - whether the scaling should be done with respect to inbound or outbound edges return: 'degree', // string - name of the property that is returned, 'indegree' and 'outdegree' are used when 'directed' above is set to 'true', pageRank uses 'rank', betweennessCentrality uses 'betweenness' returnFunction: false // boolean - whether a function is returned } </pre> <p>Custom config (adds a few more options and removes some):</p> <pre> { name: 'Depth', // string - display name of the scale type: 'custom', // string - type of scaling, options currently are 'degreeCentrality', 'betweennessCentrality', 'pageRank', and 'custom' property: 'depth', // string - uses 'dot' notation to identity the node property to scale by reverse: { max: 20, min: 1 } // /boolean/object - if 'false' the scale corresponds to the property value (lower numbers are smaller widths), if there is an object it will scale nodes in the reverse direction (higher numbers are smaller widths using 'max' and 'min' to bound the scale multiplier: 1 // boolean - used to put more distance between the scale widths ie: if the scale value is 2 and multiplier is 3 the width of the node would be 6 } </pre>
	orion. graphs[graph.opt ions. edgeArrows	<p>object - { source: <boolean>, target: <boolean> }</p> <p>Object containing config pertaining to whether or not to show arrowheads on edges in the graph pointing to either the source node, target node, both, or neither.</p>
	orion. graphs[graph.opt ions. defaultLa yout	<p><layout object></p> <p>The default layout for the graph view</p>
	orion. graphs[graph.opt ions. style	<p>object</p> <p>Object containing style information for nodes and edges in the graph view</p>

	<pre> orion. graphs[]. graph.opt ions. style. node </pre>	<p>object</p> <p>Example:</p> <pre> { "text-outline-width": "1", "text-outline-color": "#333333", "font-size": 12, "min-zoomed-font-size": 20 } </pre>
	<pre> orion. graphs[]. graph.opt ions. style. edges </pre>	<p>object</p> <p>Example:</p> <pre> { "font-size": 10, "min-zoomed-font-size": 25 } </pre>
	<pre> orion. graphs[]. graph.opt ions. hoverStyle </pre>	<p>object</p> <p>Object containing config pertaining to styles applied on hover to nodes in the graph view</p>
	<pre> orion. graphs[]. graph.opt ions. hoverStyle.nodes </pre>	<p>boolean</p> <p>Whether to implement hover styles on nodes</p>
	<pre> orion. graphs[]. graph.opt ions. hoverStyle.edges </pre>	<p>boolean</p> <p>Whether to implement hover styles on edges</p>
	<pre> orion. graphs[]. graph.opt ions. hoverStyle.styles </pre>	<p>object</p> <p>Styles that are applied on hover. The selectors are fixed to the ones shown below.</p> <p>Example:</p> <pre> { '.hover-node': { 'border-width': '5px', 'z-index': 5 }, '.hover-neighbor': { 'border-width': '8px', 'z-index': 5 }, '.hover-edge': { 'z-index': 6 } } </pre>

	orion. graphs[graph.options. hoverStyle. edgeBorder	number Width added to an edge when its source node is hovered over
	orion. graphs[graph.options. defaultEdgeColor	string - hex color value The default color for edges in the graph view
	orion. graphs[graph.options. compositeProps	object - { <node property>: [<string>]} An object containing config to 'join' properties together for display purposes. <node property> refers to the property that be displayed. It's value is an array of 'sub-property' keys used to build the property for display purposes. If the array is left empty the assumption is that the property's value is an array and we should join all the members of the array. Example: Given a node with this data: { height: {"value": "10": "unit": "ft" },...} the config would look like {height: ["value", "unit"]} to produce a display of "10ft" Given a node with this data: { useCountries: ["France", "Canada", "Mexico"],...} the config would look like {useCountries: []} to produce a display of "France, Canada, Mexico"
	orion. graphs[views	object - { graph: <null> or <graph config object>, table: <null> or <table config object> } Object containing the views associated with the graph instance. The two types of views are 'graph' and 'table' and are represented by the keys. I only one view is desired set the other view to 'null'
	orion. graphs[views. graph	object Object containing config for the graph view
	orion. graphs[views. graph. name	string Name of the graph view. This is displayed in the 'TV' menu that lists available panes as well as the tab of the graph pane.
	orion. graphs[views. graph. iconClass	string Icon that is displayed in the 'TV' menu that lists available panes
	orion. graphs[views. graph. activateOptions	object Object containing display options when opening the graph pane. Example: <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <pre>{ itemType: 'row', // string - type of pane, 'row' or 'column' alsoActivate: ['SharkGraphinfo'] // null or array of strings - strings refer to the pane ids that should also be opened stackWithId: 'map' // string - id of the pane that the graph pane should be stacked with }</pre> </div>
	orion. graphs[views. graph. containers	object

	orion. graphs[]. views. graph. containers. topBar	object
	orion. graphs[]. views. graph. containers. topBar. class	string
	orion. graphs[]. views. graph. containers. topBar. topBar	boolean
	orion. graphs[]. views. graph. containers. topBar. sections	object
	orion. graphs[]. views. graph. containers. topBar. sections. section1	object
	orion. graphs[]. views. graph. containers. topBar. sections. section1. section1. control	object
	orion. graphs[]. views. graph. containers. topBar. sections. section1. section1. control. name	string

	orion. graphs[]. views. graph. container s.topBar. sections. section1. control. options	object <pre> { position: 'top', // 'top', 'right', 'left', 'bottom' - used to position the controls class: 'graph-2-format', // css class name - additional class added to the control div, can be used for additional styling tooltipPlacement: 'bottom', // 'top', 'bottom', 'left', 'right' - position for the tooltips associated with each control mapSelect: true, crawlNode: true, // boolean - show control to expand neighborhood of nodes when clicked declusterNode: true, // boolean - show control to explode clusters (used with hierarchical graphs) clusterNode: true, // boolean - show control to re-cluster nodes that have been exploded (used with hierarchical graphs) addNode: true, // boolean - show control to add a new node removeNode: true, // boolean - show control to remove a node (either single or box select) addEdge: true, // boolean - show control to add a new edge between existing nodes removeEdge: true, // boolean - show control to remove an edge selectNodes: true, // boolean - show control to select a subset of nodes (using 'shift'-click), the result of the selection is redrawn using the existing option, the graph can be reset after a selection is made runLayout: true, // boolean - show control to rerun the existing layout (can be helpful after adding/removing/editing nodes or edges) resetView: true, // boolean - show control to re-center the graph on the screen clearView: true, // boolean - show control to remove all data from the graph nodeInfoHover: {source: ['properties']}, edgeInfoHover: null, nodeControl: { // object - displays a node option menu (halo menu) when right-clicking a node along with the available actions in that toolbar delete: true, // boolean - delete node hide: true, // boolean - hide the node but give it a label that will be attached to nodes that are connected to it edge: true, // boolean - add an edge from the node edit: true, // boolean - edit the nodes properties editAttrs: ['properties'], // array - keys within the data object that can be edited info: true, // boolean - show the information sidebar infoAttrs: ['properties', 'type'], // array - keys within the data object that display in the info sidebar cluster: true, // boolean - used to cluster/de-cluster nodes in a hierarchical graph relationship: true, // boolean - used to characterize relationships when comparing two nodes expandCollapse: true, // boolean - used to expand/collapse nodes epsiChildren: false, // boolean - used to expand/collapse children in epsilon clusters crawl: true, // boolean - used to expand node neighborhoods isolate: true // boolean - used to isolate nodes recenter: true // boolean - used to isolate the node then crawl out one level }, edgeControl: { // object - displays an edge toolbar when right-clicking an edge along with the available actions in that toolbar delete: true, // boolean - delete the edge edit: true, // boolean - edit the edge properties editAttrs: ['properties'], // array - keys within the data object that can be edited info: true, // boolean - show the information sidebar infoAttrs: ['properties'], // array - keys within the data object that display in the info sidebar split: true // boolean - change the display of edges to reveal multiple edges that may be overlapping between nodes } } </pre>
	orion. graphs[]. views. table	object Object containing config for the table view

	orion. graphs[]. views. table. name	string Name of the table view. This is displayed in the 'TV' menu that lists available panes as well as the tab of the table pane.
	orion. graphs[]. views. table. iconClass	string Icon that is displayed in the 'TV' menu that lists available panes
	orion. graphs[]. views. table. type	
	orion. graphs[]. views. table. activateOptions	
	orion. graphs[]. views. table. options	
	orion. graphs[]. views. table	
	orion. graphs[]. panel	
	orion. info	
	orion.info. nodeInfoOptions. editConfigPath orion.views. table. options. editConfigPath orion.views. table. options. editConfigPath	String property path determines whether a user is provided options to delete or edit nodes in the Details Pane. String property path determines whether a user is provided the row-menu option to edit an node. String property path determines whether a user is provided the table-header option to add a new node. ex: "maritime.mkbEditRoles"

	query-edit.cqlParameters	<p>Array of cql parameter objects along with the corresponding layer name. Used for creating inline-editor options and a dynamic options step for that layer. An example is:</p> <pre>[{ layerName: "komodo:Plane_Detections_Niirs_Model", parameters: { numbers: { niirs: { min: null, max: null } }, bools: { vetted: 'both' }, enums: { label: { choices: ["airplane", "not airplane"], selected: [], negate: false }, modelVersion: { choices: ["0.0.0", "1.0.0", "2.0.0", "3.0.0", "4.0.0"], selected: [], negate: false } } } }]</pre>
	query-edit.enabled.timelapse	
	recording.corsApprovedUrls	
	recording.enabled	
	recording.ffmpegWorker	
	savedqueries.classifications	
	savedqueries.server.url	
	savedqueries.showQueryId	boolean = false. If set to 'true', a saved filter's id will be visible in the expanded details of a filter manager list card
	savedqueries.showQueryIsRunning	boolean = false. If set to 'true', when a Saved Filter is run via "Add to Map" or "Run as Timelapse", a loading icon displays for that filter while the filter is being loaded on to the map.
	savedqueries.userObject	boolean = false. If set to 'true', Saved Filters will be saved to the user-objects table instead of saved-queries table, which requires the whiptail-services to be updated in GeoServer using at least this commit . See also <code>userObjects.baseUrl</code>
Added 2021-Aug	search.countriesFileUrl	<p>Required by the "Locate" feature. A URL that resolves at runtime to a countries.geojson file.</p> <p>Example: "assets/countries.geojson".</p>

	select. selectToolsEnabled	
	skylight. apiUrl	
	static. categoryName	
	stoplight. timeout	number. If a stoplight service request takes longer than the configured value (in milliseconds), then the service will display a warning icon. Defaults to 5000
	stoplight. urls	Array. Array of services to display in the stoplight popup. The array values are objects with the following properties: <ul style="list-style-type: none"> label - The name of the service in the stoplight popup url - The request url that the stoplight plugin makes to determine the status of that service
	taffetaMetadata	
TBD	theme	'dark' 'light'. Optional. Default = 'dark'. The theme key chooses a stealth theme from a list of hardcoded themes. Currently in progress — see OP-4410 .
	time- controls. defaultShowAll	
	timelapse	
2022-Feb-7	timelapse. allowRetryingFailedQueries	boolean = false. Allow failed time-lapse queries to have "Copy Query" and "Retry" menu options.
	timelapse. .bbox	boolean = false. Determines if the "Go To AOI" button appears in the area selection step of the Time-lapse wizard. This setting can be overwritten per layer through the layer keywords (stealth.timelapse.wizard.area.zoom).
Added 2021-Jun-25	timelapse. .collocation.enabled	Enables the "Co-Location Query" Start Menu item.
	timelapse. .defaultPointSize	positive integer = 15. If set, the point size for a timelapse query will default to this number (can still be adjusted afterwards through the Style Manager).
	timelapse. .defaultSpeed	
	timelapse. .defaultSteps	
	timelapse. .groupHistoricalPanels	boolean=false. Sets TimelapseManager.groupTLHistoricalPanels. Guards addTLHistoryMenuOption and updateSidebarManagement. Relates to the "Timelapse Historical Data" button/panel. Update: This is not present in any POM or in the reference.conf.
	timelapse. .hideBinSortOption	
	timelapse. .hideLiveNetlink	

timelapse. histogram. yAxisDrop down	boolean = true. If set to 'false', the dropdown on the chart's y-axis will be hidden and replaced with a "Counts" label.
timelapse. historical. relativeTimeDefault	boolean. If true, then the timelapse wizard would use the relative time range input by default when available instead of the custom time range selector
timelapse. historical. relativeTimeEnabled	boolean. If true, then the relative time range input is available in the timelapse query wizard. If a layer contains the same keyword, that keyword value overwrites this config value
timelapse. largeTimeRangeWarning. message	Not a template, but if <i>the exact string</i> "\${DURATION}" is present, it's replaced with the duration in moment-humanized form. Default="Range exceeds recommended maximum of \${DURATION}."
timelapse. list. confirmClose	boolean. If true, then a modal is used to confirm an attempt to remove the timelapse list panel/display
timelapse. list. enabled	boolean = true. A fallback config, checked only in the absence of the "timelapse.list.enabled" keyword. Used in KeywordConfig getListEnabled Update: This is not present in any POM or in the reference.conf.
timelapse. queryTimeout	Sets the timeout for Time-lapse queries. The default is 60 seconds. It's unknown whether there is an upper bound. Optix is trying to see if it'll increase to 15 minutes. It's unknown how this queryTimeout config interacts with the timeouts in ogc.configs .
timelapse. refreshInterval	
timelapse. refreshIntervals	
timelapse. wizard. storage. source	boolean. If true, the time-lapse wizard's data source selector defaults to the previously selected data source value
timelapse. dashboard. disable	boolean. if true, the time-lapse 3 dot menu will not contain the analytical dashboard option
timelapse. layerTubeSelect.enabled	boolean. if true, the tubeselect/route search option is available in the timelapse layer 3 dot menu
timelapse. layerTubeSelect.maxIds	number. defaults to 5 if unset. Used to specify how many ids/tracks will be queried for in the layer tube select.
track.edit. merge. planUrl	The url for the service that provides track merge plans
track.edit. labelUrl	The url for the service that provides alternate, human readable, labels for tracks

	trackPrediction.url	
	userObjects.baseUrl	The url for the backend for user objects (bullseyes, saved states, saved queries (see also savedQueries.userObject above), etc). Defaults to geoserver.defaultUrl/geoserver/geomesa/user-objects
	user-stats.server.url	
	userCn	
	userDn	<ul style="list-style-type: none"> Used in last-view requests.
	userRoles	
	wizard	

there is a