



Always add a comment ("What did you change?") when updating this page.

Email notifications and the "compare changes" feature can't show what changed since Confluence can't diff tables.

"Notify watchers" is optional.

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## What are Keywords?

Almost all of the stealth framework's features are driven by configuration. So if the configuration for a feature isn't present, then that feature most likely won't be available to users, even if the code is actually deployed. There are two types of configuration: [App config](#) and Keyword config (this page). Both of these values come from Conform these days, so the primary difference between the two types is what "level" they function at. App-level configurations act at the root level: these values are set for the entire application as a whole (e.g., `conformUrl`). Keyword configuration is at the datasource (geoserver layer) level. (If you're unfamiliar with geoserver, a geoserver layer is analogous to a table in SQL databases.)

Keyword configurations exist for two reasons:

1. Feature Control: They allow us to enable features for certain data sources. For example, enabling a "Show Timelapse History" button on the baseball card (popup) for a particular data source (e.g., Aireon Live)
2. Data Abstraction: They're an abstraction that sits between the UI and Geoserver so that the UI doesn't have to know the exact shape of the data. For example, a keyword like `timelapse.historical.fields.trkId=callsign` tells the UI which field we should use as the ID without the code itself having to use the text "callsign"

All of the keywords below fall into one of these two categories. The first category is more of an "active" role: enabling those features will actually change how or which elements are displayed in the UI. The second category is more of a "support" role, in the sense that adding them will generally not trigger visible changes, but they may be required to have Features actually work.

The Table of Contents below lists a number of available keyword types. If you click on one of those entries, it should jump you to the table below where you can see more detailed information about what configuration is available, including which properties are actually required.

## How to Add Keywords

Adding relevant keywords in GeoServer enables layer capabilities in Stealth. To do this:

1. Log in to GeoServer
2. Click on Layers, under Data in the list on the left
3. Add or Edit a layer by clicking on the layer name (*not* the Store name)
4. Scroll down to the Keywords section to enable your favorite capabilities

## Keywords

### Current Keywords

flightaware  
features  
stealth.histogram.histogram.FlightAware  
stealth.static.FlightAware  
stealth.timelapse.historical.FlightAware  
stealth.timelapse.historical.FlightAware.field.dtg=d  
stealth.timelapse.historical.FlightAware.field.geom  
stealth.timelapse.historical.FlightAware.field.trkId=

Remove selected

### New Keyword

stealth.capability.histogram

### Vocabulary

Add Keyword

Keywords should be set in your project's Conform configuration ('config.json'). They are part of the [ogc.configs](#) block: look for the `KeywordsList` property on a `Layer`.

All keywords begin with the context ("`<ctx>`") of the Stealth web application. The context is generally registered in the default typesafe conf file

```
stealth: {  
  app: {  
    title: "Stealth"  
    context: "stealth"  
    contextPath: "/stealth"  
    ...  
  }  
}
```

## Supported Keywords

All supported keywords are listed alphabetically in the table below. Plugin and Mediator(s) column cells with a value should be pale yellow; those without a value can remain white. Build refers to the Project Build, e.g. Thresher Prod (TT), Thresher TFI (TT-TFI), Black Diamond (BD), Apropos, Komodo, etc. Use the column sorting to view all project-relevant keywords.



### Stealth Next Keywords

While the UI-Next initiative is in it's own [branch](#), new keywords are being documented in a separate location: [Stealth-Next keywords](#)

Capability Name	Keywords	Description	Build	Plugin	Mediator(s)
<b>air</b>	<code>&lt;ctx&gt;.air.*</code>	All <code>timelapse.*</code> keywords can be replaced with <code>air.*</code> to provide enhanced air-specific behavior.	TT	air	
	<code>&lt;ctx&gt;.air.aircraft</code>	Indicates that a layer contains aircraft equipment types, in the Skylight format.	TT	air	
	<code>&lt;ctx&gt;.air.airspace-suggestions</code>	Layer to use for airspace suggestions workflow	TT	air	
	<code>&lt;ctx&gt;.air.country</code>	Indicates that a layer contains countries, with an ISO-2 country code attribute.	TT	air	
	<code>&lt;ctx&gt;.air.country.field.iso2=&lt;ISO-2 field&gt;</code>	(Optional) Specifies the layer property that contains ISO-2 country codes. If not specified, defaults to "ISO2".	TT	air	
	<code>&lt;ctx&gt;.air.country.field.name=&lt;Name field&gt;</code>	(Optional) Specifies the layer property containing the country name to display. If not specified, defaults to "NAME".	TT	air	
	<code>&lt;ctx&gt;.air.flightSchedule.routePositionLayer.waypointLayerName=&lt;layer workspace name&gt;</code>	Indicates this is the live layer of a flight schedule and gives the workspace and name of the corresponding historical layer	TT	air	air-timelapse
	<code>&lt;ctx&gt;.air.flightSchedule.waypointLayer</code>	Indicates this is the historical layer of a flight schedule	TT	air	air-timelapse
	<code>&lt;ctx&gt;.air.live.workspace.idField=&lt;ID field&gt;</code>		TT	air	

	<code>&lt;ctx&gt;.air.live.&lt;workspace&gt;.field.tailGeom=&lt;tail geom field&gt;</code>	(Optional) Enables "Jailbreak" queries in the Live Wizard. The equivalent of  <code>&lt;ctx&gt;.timelapse.live.&lt;workspace&gt;.field.tailGeom=&lt;tail geom field&gt;</code>  (Copied over to that path in a Datasource's keywordConfig in the code base, like all other <code>&lt;ctx&gt;.air.live</code> keywords)	TT	air	
<b>activity-summary (Airtivity)</b>	<code>&lt;ctx&gt;.airtivity.extraCql</code>	(Optional) provides additional arbitrary cql to be appended to any query sent via Activity-Summary (Airtivity) to the summary layer where this keyword is applied.  May be triggered via the capability button on an Airfield layer bbcard, or via the right hand menu in stealth and the 'Activity Summary Query' option.	TT	activity-summary	
<b>Edit Scoreboard</b>	<code>&lt;ctx&gt;.aggregateTable.field.label</code>	Provides the field that edits should be grouped by for the Edit Leaderboard		edit.leaderboard	
	<code>&lt;ctx&gt;.aggregateTable.field.dtg</code>	Provides the dtg field in the edit history table		edit.leaderboard	
<b>Generic Capability</b>  <i>All capabilities (&lt;ctx&gt;.capability.&lt;anything&gt;) should support these properties. The only exceptions to this are legacy capabilities that were never updated to use the core/capabilities library.</i>	<code>&lt;ctx&gt;.capability.&lt;type&gt;.&lt;key&gt;.allowRoles=&lt;roles&gt;</code>	Generic keyword available to any capability using the core/capability library. If set, this keyword will hide the capability if the <b>roles</b> string does not include at least one of the roles defined in the page config userRoles array. The roles should be comma-separated.		core	
	<code>&lt;ctx&gt;.capability.&lt;type&gt;.&lt;key&gt;.iconClass=&lt;icon class name&gt;</code>	Generic capability keyword that controls the icon to use to represent the capability. Can be Font Awesome or CCRi icon.		core	
	<code>&lt;ctx&gt;.capability.&lt;type&gt;.&lt;key&gt;.propertyPattern.&lt;field&gt;=&lt;regex&gt;</code>	(Optional) Generic capability keyword that can be used to show/hide a capability button based on a baseball card record's field value. The keyword value is a regex pattern and the capability button will be displayed if the record's field matches that pattern		core	
	<code>&lt;ctx&gt;.capability.&lt;type&gt;.&lt;key&gt;.toolTipText=&lt;text&gt;</code>	Generic capability keyword for controlling the tooltip text that shows up over a capability button.		core	
	<code>&lt;ctx&gt;.capability.&lt;type&gt;.&lt;key&gt;.showInEntityList=true</code>	(Optional) Generic capability keyword that displays the corresponding capability button in the KB table's row menus.  Requires <code>mapLayerNames.layers.&lt;entityType&gt;</code> to be configured in the <code>stealth.orion.graphs[x].data[y]</code> in order to link KB properties to map feature properties  While not required, adding a <code>requiredFields</code> keyword is highly encouraged to avoid displaying capability options for entities lacking the necessary query parameters despite having <code>entityTypes</code> with configured map layers ie: <code>&lt;ctx&gt;.capability.&lt;type&gt;.&lt;key&gt;.requiredFields=&lt;string&gt;</code>		orion	
	<code>&lt;ctx&gt;.capability.&lt;type&gt;.defaults.&lt;property&gt;=&lt;value&gt;</code>	Using 'defaults' as the namespace allows you to set default properties for a capability type. For example, if you plan to have multiple <code>&lt;ctx&gt;.capability.timelapse.showHistory</code> buttons that all query the same layer, then you can set <code>&lt;ctx&gt;.capability.timelapse.showHistory.defaults.layer</code> once and it will be copied to all <code>&lt;ctx&gt;.capability.timelapse.showHistory</code> instances that don't have the property explicitly set. (Then you can proceed to set uniquely valued properties per namespace as usual.)  Example:  <code>&lt;ctx&gt;.capability.timelapse.showHistory.defaults.layer="stealth:trackedOb"</code> <code>&lt;ctx&gt;.capability.timelapse.showHistory.defaults.trkIdField="callsign"</code> <code>&lt;ctx&gt;.capability.timelapse.showHistory.pastDay.relativeTime="PID"</code> <code>&lt;ctx&gt;.capability.timelapse.showHistory.pastHour.relativeTime="PT1H"</code>		core	
	<code>&lt;ctx&gt;.capability.buttonLimit=&lt;numbers&gt;</code>	Sets the capability button limit for this specific layer (overrides the config option)			
	<code>&lt;ctx&gt;.capability.activityHistory</code>	Adds button to allow user to view the activity history for an entity		activities	
<b>addToActivity</b>	<code>&lt;ctx&gt;.capability.addToActivity</code>	(Optional) Adds button(s) to allow user to add the Entity to an Activity		activities	
<b>addToGroup</b>	<code>&lt;ctx&gt;.capability.addToGroup.idAttribute=&lt;id attribute name&gt;</code>				
<b>activity-summary (Airtivity)</b>	<code>&lt;ctx&gt;.capability.airtivity.Airfields</code>	(Optional) Adds a capability button to the Airfields layer allowing the user to quickly generate an Activity Summary ( AKA 'Airtivity' ) query using a given Airfield as the center point and with that Airfield as the origin for any tracks	TT	activity-summary	
	<code>&lt;ctx&gt;.capability.airtivity.Airfields.airfieldLayerOriginFieldName</code>	(Optional) The field name for determining what, on the Airfield layer, should be used as the identifier of the 'origin'. KJFK, for example, is the icao code for JFK. It could use any field on the Airfield layer, though.  Default: icao	TT	activity-summary	
	<code>&lt;ctx&gt;.capability.airtivity.Airfields.radiusUnits</code>	(Optional) The units value for the radius of the area drawn around the selected Airfield for the Activity Summary query, 'nm', 'm', 'degLat'  Default: nm	TT	activity-summary	
	<code>&lt;ctx&gt;.capability.airtivity.Airfields.radiusValue</code>	(Optional) The numeric value for the radius of the area drawn around the selected Airfield for the Activity Summary query, ex: 100, 10, 3  Default: 200	TT	activity-summary	
	<code>&lt;ctx&gt;.capability.airtivity.Airfields.summaryLayerName</code>	(Optional) The name of the layer to perform the Activity Summary query against  Default: stealth:summary	TT	activity-summary	
	<code>&lt;ctx&gt;.capability.airtivity.Airfields.summaryLayerOriginFieldName</code>	(Optional) The field on the summary layer that should be compared to the Airfield layer's origin value (as determined by the 'airfieldLayerOriginFieldName' keyword)  Default: origin	TT	activity-summary	
	<code>&lt;ctx&gt;.capability.airtivity.Airfields.timeUnit</code>	(Optional) The unit value for the time window of the Activity Summary query, going backwards in time from today. Ex: w, weeks, d, days, m  Default: w	TT	activity-summary	

	<ctx>.capability. activity.Airfields. timeValue	(Optional) The numeric value for the time window of the Activity Summary query, going backwards in time from today. Ex: 1, 2, 10  Default: 1	TT	activity-summary	
<b>altitudeProfile</b>	<ctx>.capability. altitudeProfile. altitudeField=<altitude field>	(Optional) Defaults to altitude	TT	air	
	<ctx>.capability. altitudeProfile. altitudeUnits=<units>	(Optional) Specify the units the altitude field is in. Defaults to meters.	TT	air	
	<ctx>.capability. altitudeProfile. dtgField=<date /time field>	(Optional) Defaults to dtg	TT	air	
	<ctx>.capability. altitudeProfile. historicalLayerDtgField=<date/time field>	(Optional) Required for layerType=summary. Used to specify the dtg field of the historical layer that holds all track obs.	TT	air	
	<ctx>.capability. altitudeProfile. historicalLayerName=<layer ws>: <layer name>	(Optional) Required for layerType=summary. Used to specify the historical layer that holds all track obs.	TT	air	
	<ctx>.capability. altitudeProfile. layerName=<layer ws>: <layer name>	Defines the historical layer to search for the altitude history of a live air track. This will create a scatter plot of (time, altitude) pairs.	TT	air	
	<ctx>.capability. altitudeProfile. layerType=<type>	(Optional) Possible values: summary, obs. Defaults to obs.	TT	air	
	<ctx>.capability. altitudeProfile. title=<custom title>	(Optional) Defaults to "Layer: <layer name> Track: <track id>" . Can include a format to grab parameters from record, i.e. "{{label}} / {{subLabel}}"	TT	air	
	<ctx>.capability. altitudeProfile. trkldField=<ld field>	Defines the field to use when searching for the history	TT	air	
<b>buffer</b>	<ctx>.capability. buffer	Lets you buffer features of the layer. Layers with this keyword will show up in Step 2 (select area) of the timelapse query wizard when you select 'Existing Feature.'	TT	area definition	
	<ctx>.capability. buffer.field.name= <Name field>	Specifies the name to be displayed when selecting a feature to buffer.	TT	area definition	
<b>crawl</b>	<ctx>.capability. crawl	Map click brings up an RDF crawler popup allowing you to manually traverse RDF space one hop at a time from the selected entity.		crawler	
<b>delete</b>	<ctx>.capability. delete.<key>. deleteEndpointConfigPath=<config path>	Specifies the path to search in the config for the endpoint url to send the DELETE request to. The url in the config can be an angular js style template that will get run against the record passed to the delete capability.	TT	stealth/core	
	<ctx>.capability. delete.<key>. typeLabel=<label>	A label for the type of entity being deleted. This label will be used in the alert toasters to let the user know if the delete was successful.	TT	stealth/core	
	<ctx>.capability. delete.<key>.confirmModalTemplate= <template string>	An angular js template that will get included in the modal confirming a user's intent to delete. The template will be run against the record passed to the delete capability. The delete modal will include this template below a line that reads:  Are you sure you want to delete	TT	stealth/core	
<b>displayImage</b>	<ctx>.capability. displayImage.<namespace>. imageField=<url string>	Creates a button which, when clicked, will display the image thumbnail on the map. The url_string should be the path to where the image resides..			
	<ctx>.capability. displayImage.<namespace>. replaceImageExtensionWith=<file extension>	(Optional) Allows you to change the extension of the image URL so that it can be loaded into stealth if the default extension is not already compatible.			
<b>edit</b>	<ctx>.capability. edit	Lets you edit features of the layer.	BD		
	<ctx>.capability. edit.merge_track	Enables the 'Merge tracks' button in the multi-select list view	BD		
	<ctx>.capability. edit.drop_track	Enables the 'Drop tracks' button in the multi-select list view	BD		
	<ctx>.capability. edit.editor=<directive>	Specify an Angular directive for editing. Otherwise, will use default WFS-T editor.	TT		
	<ctx>.capability. edit.role.<role>	Require user to have a certain role for editing. Multiple instances of this keyword allows user to edit if they have ANY of the specified roles. Example: 'stealth.capability.edit.role.ROLE_ANONYMOUS'	TT		
	<ctx>.capability. edit.addObs	Enables the 'Add Observations' button in the timelapse table for this layer. Will also need track.edit.historical.add & track.edit.historical.base endpoints in the config.	BD		
	<ctx>.capability. edit.createTrack	Enables the 'Create New Track' button in the timelapse table for this layer. Will also need track.edit.historical.create & track.edit.historical.base endpoints in the config.	BD		
	<ctx>.capability. edit.dropObs	Enables the 'Drop Observations' button in the timelapse table for this layer. Will also need track.edit.historical.drop & track.edit.historical.base endpoints in the config.	BD		
	<ctx>.capability. edit.editableFields	OPTIONAL: List of attribute names that should be editable and will show up in the modal for either the addObs or createTrack actions.  Should be a comma separated list of values: vessel_name,callsign,...	BD		

	<ctx>.capability. edit.editableFields PlaceholderText	OPTIONAL: List of placeholder names that should match up with the editable fields listed in 'editableFields' keyword and will show up in the modal for either the addObs or createTrack actions.  Should be a comma separated list of values: vessel_name,callsign,...	BD		
	<ctx>.capability. edit.hiddenFields	OPTIONAL: List of attribute names that should be hidden when rendering the event editor. Mutually exclusive with the 'visibleFields' keyword.  Should be a comma separated list of values: id,trackId,flightId,...			
	<ctx>.capability. edit.visibleFields	OPTIONAL: List of attribute names that should be visible when rendering the event editor. Mutually Exclusive with the 'hiddenFields' keyword.  Should be a comma separated list of values: eventType,message,dtg,...			
	<ctx>.capability. edit. selectionTableFields	Required for the Observations table in the track editing modal, which lets users refine their selection before submitting. Expected to be a comma-separated list of fields ("mmsi,position,vessel_name"). Determines which fields are shown in the table.	1T		
	<ctx>.capability. edit. historicalTargetLayer	REQUIRED for createTrack  layer to query for the results of creating a new track, must match the editing backend's target datastore (where new track obs are created)  stealth.capability.edit.historicalTargetLayer=http://k8s.ccri.com:30091/geoserver/stealth:optix-maritime-track_edit_tracks2:optix-maritime-track_edit_tracks2	BD		
<b>editWizard</b>	<ctx>.capability. editWizard.<workspace> form=<form name>	Defines the form name to be used when editing	TT		
	<ctx>.capability. editWizard.<workspace> titleField=<title field>	Defines the title for the edit wizard (shown in top bar)	TT		
	<ctx>.capability. editWizard.<workspace> saveEndpointConfigPath=<app config path>	Defines the app config path (in the POM) to use when looking up the save endpoint. (Example: editEndpoint)	TT		
<b>ellipse</b>	<ctx>.capability. ellipse. majorField=<major field>	Observation's field that contains <i>major</i> radius value for ellipse		timelapse	
	<ctx>.capability. ellipse. minorField=<minor field>	Observation's field that contains <i>minor</i> radius value for ellipse		timelapse	
	<ctx>.capability. ellipse. orientationField=<orientation field>	Observation's field that contains <i>orientation</i> angle (degrees) for ellipse		timelapse	
	<ctx>.capability. ellipse.latField=<latitude field>	Observation's field that contains <i>latitude</i> for the center of the ellipse		timelapse	
	<ctx>.capability. ellipse.lonField=<longitude field>	Observation's field that contains <i>longitude</i> for the center of the ellipse		timelapse	
	<ctx>.capability. ellipse.colors=<hex color string>	(Optional) Hex color that overrides the color of the ellipse. Default color is the same color as the time-lapse observations. When used, the ellipse line will inherit the color set with this keyword and the fill of the ellipse will be that color w/ 0.5 alpha (50% opacity). e.g. #1affdb		timelapse	
	<ctx>.capability. ellipse.lineWidth=<line width number of pixels>	(Optional) Overrides the line width of the ellipse. Default is 1 pixel.		timelapse	
	<ctx>.capability. ellipse.unitMultiplier=<multiplier>	(Optional) Defaults to 1. A float which is used to multiply the major and minor values to allow for unit conversions. Expected units is meters so apply a conversion factor if necessary. If the major/minor are provided in the following here are a few possibilities: Nautical miles:1852, Kilometers:1000,Miles:1609.34,Feet:0.3048		timelapse	
	<ctx>.capability. ellipse.dtgField=<dtg field>	(Optional) Defaults to 'dtg'. Use to set the dtg field used to generate a deterministic feature ID for the ellipse so it can be removed later. Users will not be exposed to the feature ID, it is only used internally to track ellipse features.		timelapse	
	<ctx>.capability. ellipse.enable=true	(Optional) Add if one of the other optional ellipse keywords is not used.		timelapse	
<b>export</b>	<ctx>.export. <file_type>. omitFields=<field1>,<field2>...	(Optional) When exporting data some file types are not compatible with the data being exported from the geoserver. This keyword allows for fields to be omitted from the geoserver data request, when exporting particular file types.  Use case: the field emitterIds is not compatible with the shapefile export type. Example: stealth.export.SHAPE-ZIP.omitFields=emitterIds			
<b>removeEllipses</b>	<ctx>.capability.removeEllipses. enable=true	Adds capability that removes all ellipses from the observation's layer		timelapse	
<b>histogram</b>	<ctx>.capability. histogram		TT		histogram-timelapse
	<ctx>.capability. histogram.<workspace> field.attr=<attribute field>	(Optional) Histogram wizard Attribute field - defaults to the first value in attribute list	TT	histogram	
	<ctx>.capability. histogram.<workspace> field.dtg=<dtg field>	(Optional) Histogram wizard Date field - defaults to "dtg"	TT	histogram	

	<ctx>.<capability>. histogram.<works pace>.<field geom= <geom field>	(Optional) Histogram wizard Geometry field - defaults to "geom"	TT	histogram	
	<ctx>.<capability>. histogram.<works pace>.<maxTime=< 2000-01-01 00:00: 00Z>	Returns data availability range - with min and max date/time - when known.	TT	histogram	
	<ctx>.<capability>. histogram.<works pace>. maxTimeRangeMi llis=<ms>		TT	histogram	
	<ctx>.<capability>. histogram.<works pace>.<minTime=< 2000-01-01 00:00: 00Z>	Returns data availability range - with min and max date/time - when known.	TT	histogram	
<b>kbLink</b>	<ctx>.<capability>. kbLink.<layer>	Opens 'Details' pane showing the Knowledge Base entity which corresponds to the baseball card feature.	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. edit=<true>	(Optional) If true, entity will be opened in edit mode in the 'Details' pane	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. kblid=<graph id>	Specify the id of the Knowledge Base graph which contains the entity.	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. searchField=<sear ch field>	Must be configured if elementIdField is not configured.  Specify the "key" field name for the baseball card feature. This is a top-level property, OR a key found in the serializedJson field's value string. The latter applies only if .serializedJson is configured.  if configured, the value of this field will be used to retrieve an kb item using a free text search. if multiple items are returned from kb, first will be used.  elementIdField is preferable if available.	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. serializedJson=<S erializedJson field>	(Optional) Some baseball card features include property names/values nested within the string value of a top-level property. Specify the name of this top-level property if your searchField is found within these properties	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. elementIdField=<e lementId field>	Must be configured if searchField is not configured.  Specify id field for the baseball card feature. This is recommended compared to searchField. Can work in combination with typeField.  When querying the kb, the value of this field from the baseball card feature is assumed to match the value of the kb value of the field configured as <b>graph.options.dataConfig.crawlId</b>	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. typeField=<type field>	(Optional) specify type field for the baseball card feature.	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. entityIdTemplate= <entityId template>	(Optional) specify entityId lodash template using elementIdField and typeField. If configured, used in place of elementIdField.	TT	orion	
	<ctx>.<capability>. kbLink.<layer>. defaultTab=<tab name as string>	(Optional) specify which tab on the details pane card to open by default	TT	orion	
<b>knn</b>	<ctx>.<capability>. knn	Causes a "more like this" button to appear on the WMSGetFeatureInfo baseball card for a particular layer.		knn	
	<ctx>.<capability>. knn.iconClass=<ic on-class>	(Optional) Specify a different icon to use for the capability button. Defaults to 'fa-class'		knn	
	<ctx>.<capability>. knn. recordExtentField= <geom field>	(Optional) Specify the attribute to use as the geometry field. Defaults to 'O'		knn	
	<ctx>.<capability>. knn. recordURLField=< URI field>	(Optional) specify the attribute to use as the URI field, for passing to the knn endpoint. Defaults to 'S'		knn	
	<ctx>.<capability>. knn.tooltipText=< Text for tooltip>	(Optional) Specify different text for the tooltip for the capability button. Defaults to 'More like this'		knn	
<b>tiledLayer</b>	<ctx>.<capability>. tiledLayer. <namespace>. rootUrl=<The root url>	(Required) The finished combined url should look something like http://myRootUrl.com/info?url=myImageSourceUrl.com/imageSourceFileName.tif			
	<ctx>.<capability>. tiledLayer. <namespace>. imageSourceField =<The field in data that has path to specific hosted image>	(Required)			
	<ctx>.<capability>. tiledLayer. <namespace>. mutateSourceUrl= <template literal ie: \${doSomethingJS Here}>	(Optional) To address edge case wherein the data doesn't actually match the path ie: currently satellite-image-footprints thumbnail_url ends with .png but the filepath should end in .tif  example: "stealth.capability.tiledLayer.satellite-image-footprints.mutateSourceUrl=\${sourceUrl.slice(0, sourceUrl.lastIndexOf('.') + '.tif')}"			

<b>labelling (alpha feature)</b>	<code>&lt;ctx&gt; .capability.timelapse.label.serviceUrl</code>	Specify at what URL a <a href="#">labelmaker servlet</a> is available. This will add a "labelling" button to the timelapse table. The button will bring up a wizard that allows adding labels (could also be thought of as tags) to all the selected observations in the timelapse table.		timelapse	
	<code>&lt;ctx&gt; .capability.timelapse.label.dtg</code>	(Optional) The primary date field for the layer. If not specified it will default to using the <code>timelapse.historical.&lt;workspace&gt;.field.dtg</code> keyword.		timelapse	
	<code>&lt;ctx&gt; .capability.timelapse.label.trkid</code>	(Optional) The track id field for the layer. If not specified it will default to using the <code>timelapse.historical.&lt;workspace&gt;.field.trkid</code> keyword.		timelapse	
<b>Capabilities in Layer Menu</b>	<code>&lt;ctx&gt; .capability.layermenu</code>	A new namespace to add capabilities to the menu of the layer manager (three dot menu). Currently only respected in Live Layer context menus.			
<b>Live Layer Quick History</b>  <i>Enables "Quick History" menu options on a live layer. These are shown in the live layer's menu as "Show History &gt; Last &lt;Duration&gt;". For example, "Show History &gt; Last 8h".</i>  <b>Usage:</b>  These keywords must be set on the live layer you want to enable Quick History for  <b>Dependencies:</b>  The historical layer that you configure must have the <code>timelapse.historical</code> keywords, otherwise the query will not be able to run. The <code>defaults.namespace</code> is supported for this feature (see examples below).  <b>Examples</b>  <pre>"stealth.capability.layermenu.quickHistory.defaults.layerName=msa:aireon_historic", "stealth.capability.layermenu.quickHistory aireon-live-1h.duration=PT1H", "stealth.capability.layermenu.quickHistory aireon-live-3h.duration=PT3H", "stealth.capability.layermenu.quickHistory aireon-live-6h.duration=PT6H", "stealth.capability.layermenu.quickHistory aireon-live-12h.duration=PT12H",</pre>	<code>&lt;ctx&gt; .capability.layermenu.quickHistory.&lt;namespace&gt;</code>	Namespace is arbitrary; it's just a way of grouping configuration together. (E.g., to link your <code>toolTipText</code> of "Yesterday" to a duration of "PT1D")		timelapse	
	<code>&lt;ctx&gt; .capability.layermenu.quickHistory.&lt;namespace&gt;.duration</code>	Quick History generates a TL layer based on the live layer with reasonable defaults  (required) Quick history queries a layer with a time clause like "NOW - D", where D is the specified duration in ISO Duration format. (e.g., PT1H. See <a href="https://en.wikipedia.org/wiki/ISO_8601#Durations">https://en.wikipedia.org/wiki/ISO_8601#Durations</a> )		timelapse	
	<code>&lt;ctx&gt; .capability.layermenu.quickHistory.&lt;namespace&gt;.layerName</code>	(required) Must be a timelapse enabled layer. The layer to run the timelapse query on. In the format <code>workspace:name</code>	TT,BD	timelapse	
	<code>&lt;ctx&gt; .capability.layermenu.quickHistory.&lt;namespace&gt;.toolTipText</code>	(optional) The text to show in the menuOption and the tooltip. Defaults to 'Show Past (DURATION)'. "DURATION" is the token used for substituting that value (e.g., if you wanted this to read "Give me the last 6 hours", you'd set this value to "Give me the last (DURATION)")	TT,BD	timelapse	
	<code>&lt;ctx&gt; .capability.layermenu.quickHistory.&lt;namespace&gt;.ignoreCQL</code>	(optional) Default to false. Because the timelapse is generated from a layer that is not the layer initiating the request, the SFTs and thus CQL could be different. This would be an edge case, but we allow you to ignore the CQL when getting the quick history if desired.	TT,BD	timelapse	
	<code>&lt;ctx&gt; .capability.layermenu.quickHistory.&lt;namespace&gt;.additionalCql=&lt;cql string&gt;</code>	(optional) Sometimes the Live layer is pre-filtered by Geoserver before it reaches the UI (e.g., the maritime live layers), but the corresponding timelapse layer is not. This keyword allows you to specify an additional cql filter to append to the timelapse layer. This will be visible to the user in the timelapse query.	TT,BD	timelapse	
<b>legend</b>	<code>&lt;ctx&gt; .capability.legend</code>	(Optional) Only necessary to make a layer show up in the legend for which there are no other "legend" keywords as defined below. Note any layer containing some "legend" keyword but without any "legend.item" keywords will default to using geoserver's <code>getLegendGraphic</code> . In case the <code>getLegendGraphic</code> does not work or look good for a layer, use "legend.item" to customize your legend.	TT,BD	legend	
	<code>&lt;ctx&gt; .capability.legend.item.&lt;key&gt;.color=&lt;color&gt;</code>	(Graphic Option B) Specify color for key-designated legend item graphic, <code>.color=green</code>	TT	legend	
	<code>&lt;ctx&gt; .capability.legend.item.&lt;key&gt;.iconclass=&lt;icon-class&gt;</code>	(Graphic Option B) Specify icon class to generate key-designated legend item graphic, i.e. <code>iconclass=fa-circle</code> OR <code>iconclass=ccri-icon ccri-icon-tank</code>	TT	legend	
	<code>&lt;ctx&gt; .capability.legend.item.&lt;key&gt;.label=&lt;label&gt;</code>	(Optional) Specify text for label of key-designated legend item	TT	legend	
	<code>&lt;ctx&gt; .capability.legend.item.&lt;key&gt;.url=&lt;URL&gt;</code>	(Graphic Option A) Specify url for graphic of a layer's legend item identified by key. Order of legend items determined by lexicographical sort of key (i.e. "a", "b", "c"). A layer can have multiple legend items defined.		legend	
	<code>&lt;ctx&gt; .capability.legend.legendKey=&lt;key&gt;</code>	Associates a legend with a layer using the layer name ("workspace:name") as the key. Without this keyword the legend can be defined by other capability.legend keywords but is never actually used by the layer.	TT	legend	
	<code>&lt;ctx&gt; .capability.legend.title=&lt;title&gt;</code>	(Optional) Default behavior is no title above a layer's legend items. Specify a title by <code>.title=&lt;title&gt;</code> . Having keyword <code>.title</code> without setting it equal to anything will use layer name ("workspace:name") as title.		legend	
	<code>&lt;ctx&gt; .capability.legend.url=&lt;URL&gt;</code>	(Optional) Retrieves the legend graphic using the specified url. <code>getLegendGraphic</code> is used by default when no url is provided. Using the "legend.item" keywords will override the graphic option and set the legend as a collection of items instead.	TT	legend	
<b>link</b>	<code>&lt;ctx&gt; .capability.link.&lt;key&gt;.iconClass=&lt;css class name(s)&gt;</code>	The icon to use for this link button. If using font awesome icons, you only need one CSS class: the icon's class name (e.g., <code>...iconClass=fa-external-link</code> ). If using ccri icons, you need two CSS classes: <code>ccri-icon</code> + the icon's class name (e.g., <code>...iconClass=ccri-icon ccri-icon-yin-yang</code> ).			
	<code>&lt;ctx&gt; .capability.link.&lt;key&gt;.toolTipText=&lt;text&gt;</code>	(Optional) Defines the tool tip label for the external link. Defaults to key			
	<code>&lt;ctx&gt; .capability.link.&lt;key&gt;.url=&lt;url&gt;</code>	Required URL for link, can include a format to grab parameters from record, e.g.: <code>https://www.google.com/#q={ {name} }</code>			
<b>live</b>	<code>&lt;ctx&gt; .capability.live.&lt;key&gt;.cqlTemplate=&lt;cql&gt;</code>	(Semi-Optional) Default cql filter is <code>"trkidField={{trkidField}}"</code> Value can include a format to grab attributes from the record, example: <code>{{someld}}</code> or <code>{{__featureId}}</code> to get the feature ID. <b>Required if <code>&lt;ctx&gt; .capability.live.&lt;key&gt;.trkidField</code> is not set.</b>	TT		
	<code>&lt;ctx&gt; .capability.live.&lt;key&gt;.iconClass=&lt;css class name(s)&gt;</code>	(Optional) The icon to use for this Show Live button. Default fa-bolt. If using font awesome icons, you only need one CSS class: the icon's class name (e.g., <code>...iconClass=fa-external-link</code> ). If using ccri icons, you need two CSS classes: <code>ccri-icon</code> + the icon's class name (e.g., <code>...iconClass=ccri-icon ccri-icon-yin-yang</code> ).	TT		



Show Live Capability	<ctx>.capability. live.<key>. layerName=<layer ws>.<layer name>	This capability can be configured on live or TL layers.  Required; sets which layer to use. Must be a live layer.	TT		
	<ctx>.capability. live.<key>. toolTipText=<text>	(Optional) The tool tip text to use for this Show Live button. Default "Show Live"	TT		
	<ctx>.capability. live.<key>. trkIdField=<field name>	(Semi-Optional) The id field to use when building the query. <b>Required if &lt;ctx&gt;.capability.live.&lt;key&gt;.cql is not set.</b>	TT		
	<ctx>.capability. live.field. displayId=<ID field>		TT	air	
movingAOI	<ctx>.capability. movingAOI.<work space>.idField=<I d Field>	The ID field for the entity on which to run a movingAOI query (ie: mmsi, TargetIdentification, etc)			
	<ctx>.capability. movingAOI.<work space>. geomField=<Geo metry Name>	The geometry_name of the entity on which to run a movingAOI query (ie: position, geom, etc)			
	<ctx>.capability. movingAOI.<work space>. defaultNauticalMil es=<number>	(Optional) Default radius in nautical miles for moving AOI capability/wizard. This keyword was supported prior to <b>defaultRadiusField</b> and <b>defaultRadiusUnits</b> . This keyword takes precedence if set.			
	<ctx>.capability. movingAOI.<work space>. defaultRadiusField= <field>	(Optional) Set to populate default radius using the record's value for this field.			
	<ctx>.capability. movingAOI.<work space>. defaultRadiusUnit s=<unit>	(Optional) Set to populate default radius units, e.g. meter, mile.			
	<ctx>.capability. movingAOI.<work space>.multiRing= true	(Optional) Set = true to support multiple rings/radii			
	<ctx>.capability. omar. imageNameField= <name field>	(Optional) The layer attribute that corresponds to an image name for displaying in the Layer Manager. Defaults to whatever 'imageSrcField' is set to.		imagery	
omar	<ctx>.capability. omar. imageSrcField=<i mage field>	The layer attribute that corresponds to an image id to pass to the server.		imagery	
	<ctx>.capability. omar. serverName=<ser ver name>	If features in a layer have corresponding images, this allows images to be added to the map without having to do an Imagery Search. The serverName should correspond to one of the imagery servers configured in typesafe config under <ctx>.imagery.omar.servers.		imagery	
	<ctx>.capability. pointilist. idAttribute=<attr field>	Causes a "view spaces" capability button to appear in the baseball card for a particular layer, and sets the 'id' attribute for this layer. Defaults to 'S'.		pointilist	
pointilist	<ctx>.capability. pointilist. nameAttribute=<n ame field>	(Optional) A descriptive attribute for this layer, used for the pointilist popup title. Defaults to 'S', or uses the above 'idAttribute'.		pointilist	
	<ctx>.capability.po ll	Allows you to instantiate a context layer as a PollingImageWmsLayer			
poll	<ctx>.capability. poll.ageLimitField	(Optional) (Summary Layer only)  Defines a field to use as the time field for determining if a Summary layer is old enough to not poll.			
	<ctx>.capability. poll. ageLimitSeconds	(Optional) (Summary Layer only)  Defines the amount of time (in seconds) to use for determining if a Summary layer is old enough to not poll.			
	<ctx>.capability.po ll. intervalSeconds=< seconds>	(Optional)  The layer will refresh at the specified interval. If not specified, the interval will default to 300 seconds.			
	<ctx>.capability. setCapabilityOrder =[<capability>, <a notherCapability>, ...]	Sets the capability button order. If no order is specified, capabilities are shown in alphabetical order. If some are specified and others aren't, then the specified ones will show first (in the provided order), followed by the unspecified (alphabetically).  The value is a list of capability names (e.g., [tubeselect, timelapse, altitudeProfile]), derived from the associated keywords. (E.g., "timelapse" from <ctx>.capability.timelapse.layerName)	TT		
setCapabilityOrder	<ctx>.capability. summary. layerName=<layer ws>.<layer name>			timelapse	
	<ctx>.capability. summary. showEvents=<boo lean>	(Optional) If true, the summary events will be displayed on the map by default		timelapse	
	<ctx>.capability. summary. showLabels=<bool ean>	(Optional) If true, the summary labels will be displayed on the map by default		timelapse	

	<ctx>.capability.summary.trkIdField=<trk ID field>			timelapse	
<b>tfiForce</b>	<ctx>.capability.tfiForce	User can TFI (Track Filter Interface) Force Stop or Force Send entities from this layer.	TT-TFI	tfi	
<b>tiled</b>	<ctx>.capability.tiled=<# of zoom levels to preload>	Specifies that a WMS layer should be loaded via tiles. Also, allows the specification of a # of zoom levels to preload in the map. # of preload levels is optional and defaults to 0, if unspecified.			
<b>timelapse capability</b>	<del>&lt;ctx&gt;.capability.timelapse.layerName=&lt;layer name&gt;</del>	(deprecated) key-based configuration is preferred.	TT	timelapse	
	<del>&lt;ctx&gt;.capability.timelapse.trkIdField=&lt;ID field&gt;</del>	(deprecated) key-based configuration is preferred.	TT	timelapse	
	<ctx>.capability.timelapse.<key>.cqTemplate=<cq>	(optional) Default cq filter is "trkIdField={{trkIdField}}" Value can include a format to grab attributes from the record. example: {{someld}} or {{__featureId}} to get the feature ID	TT	timelapse	
	<ctx>.capability.timelapse.<key>.extraArrowFields=<field 1>,<field 2>,...	(optional) Extra fields to request from target layer, in Arrow format.	TT	timelapse	
	<ctx>.capability.timelapse.<key>.labelField=<label field>	(optional) Defaults to label, if not specified	TT	timelapse	
	<ctx>.capability.timelapse.<key>.layerName=<workspace>:<layerName> <ctx>.capability.timelapse.<key>.layerName=<ogcId>:<workspace>:<layerName>	(required) Name of target layer to be queried (an optional ogcId, the geoserver workspace , and the layer name). The ogcId is from stealth's reference.conf / your project's POM profile.  This value is passed to 'DataSourceManager.getDataSourceByLayerName'.  Examples: "ncon:spire-ais-message"	TT	timelapse	
	<ctx>.capability.timelapse.<key>.layerTitleTpl	A lodash template for the resulting layer's title. The template receives an object with this keyword key's values (trkIdField, layerName, etc).  Supported by <a href="#">Search Results Quick History</a> .			
	<ctx>.capability.timelapse.<key>.menuItemOptionLabel	The menu item's text. Used by <a href="#">Search Results Quick History</a> .			
	<ctx>.capability.timelapse.<key>.relativeTime=<ISO -8601 Duration String>	(optional) Limits query to time period defined as between now and the specified duration of time into the past.  E.g.: "P1D" indicates yesterday to today.	TT	timelapse	
	<ctx>.capability.timelapse.<key>.toolTipText=<text>	(optional) Defaults to key, if not specified.	TT	timelapse	
	<ctx>.capability.timelapse.<key>.trkIdField=<ID field>	(required if cqTemplate is not specified) Name of the track ID field in both the source and target.  Enables Search Result quick history menu options, which does not use cqTemplate.	TT	timelapse	
<b>track summary line</b>	<ctx>.capability.trackSummaryLine.enable=<boolean>	(optional) Render track summary lines for time-lapse layers through a baseball card capability. Optional only if <ctx>.capability.trackSummaryLine.trkId is defined	TT	timelapse	
	<ctx>.capability.trackSummaryLine.trkId=<ID field>	(optional) Render track summary lines for time-lapse layers through a baseball card capability. If this is not defined it will use the track id field specified in the original query	TT	timelapse	
	<ctx>.capability.removeTrackSummaryLines.enable=<boolean>	(optional) adds a remove all track lines capability that is grouped with the "toggle" capability	TT	timelapse	
	<ctx>.timelapse.trackSummaryLine.tooltip	(optional) The toggle capability tooltip text	TT	timelapse	
<b>tubeselect</b>	<ctx>.capability.tubeselect.<key>.poolLayer=<layer name including namespace>	(required) the layer to gather search results from.	TT	route-search	
	<ctx>.capability.tubeselect.<key>.trackLayer=<layer name including namespace>	(required) the layer the track belongs to	TT	route-search	
	<ctx>.capability.tubeselect.<key>.poolLayerDtgField=<dtg field>	(required) the dtg field of the pool layer	TT	route-search	

	<ctx>.<capability>.tubeselect.<key>.trackLayerDtgField=<dtg field>	(required) the dtg field of the track layer	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.poolLayerGeomField=<geom field>	(required) the geom field for the pool layer	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.bufferMeters=<number>	(optional) the maximum amount of offset (in meters). (E.g., up to {bufferSize} meters away from a given coordinate)  If not provided, then maxSpeed must be provided instead.	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.poolLayerIdField=<id field>	(required) the ID field for results (pool layer)	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.trackLayerIdField=<id field>	(required) the ID field for finding the track (track layer)	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.maxTime=<number>	(optional) Time as seconds for nofill and line gap fill methods. Defaults to 600 (10 min)	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.gapFill=<'nofill' or 'line'>	(optional) the fill method. Defaults to 'nofill' for capability button.	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.maxBins=<number>	(optional) number of bins to use for breaking query up into individual queries. Higher means more accuracy, but longer processing time. Defaults to 5000	TT	route-search	
	<ctx>.<capability>.tubeselect.<key>.maxSpeed=<number>	(optional) max speed of the object in meters/second for nofill and line gapfill methods  If not provided, then bufferMeters must be provided instead.	TT	route-search	
view	<ctx>.<capability>.view.<label>=<field1>,<field2>,...		TT		
	<ctx>.<capability>.zoomTo.<key>.geomField=<geom>	Adds a "Zoom to" button to the baseball card for the layer		imagery	
	<ctx>.<capability>.zoomTo.<key>.maxZoom=<number>	(optional) Sets the max zoom level for the zoom capability. If the current map zoom level is more than the max zoom level, then it pans the map instead of zooms		imagery	
custom popup					
	<ctx>.click.search.customPopup.extraClasses=<classList>	Class names. Used by customPopup.directive=st-custom-tab-popup.			
	<ctx>.click.search.customPopup.directive=<directive tag>	(Optional) Specify a custom directive to use in the map click popup. Implemented for WMS, Feature and Time-lapse layers.  If unspecified, a <b>default</b> directive is used. This varies: <ul style="list-style-type: none"> <li>For a <b>live air</b> layer: <b>'ccri-popup-components-single-record-table'</b> (LiveAirWmsLayer, DefaultPopup.tabs).</li> <li><b>Default MapLayer behavior:</b> (buildWidgetsForResponse, DefaultPopup) <ul style="list-style-type: none"> <li>Depends on the <b>'customPopup.type'</b> keyword: <ul style="list-style-type: none"> <li>If <b>'table'</b> then <b>'ccri-popup-components-paged-table'</b>.</li> <li>If <b>'tabs'</b> (or anything else) then <b>'ccri-popup-components-single-record-table'</b>.</li> </ul> </li> </ul> </li> </ul> <p>Custom popup cards</p> <p><b>st-custom-tab-popup</b> — The template consists of a line containing capability buttons and a title, a table to hold important key/value pairs and a horizontal list of tabs that switch between directives that display below it. This directive uses these keywords:</p> <ul style="list-style-type: none"> <li>&lt;ctx&gt;.click.search.customPopup.extraClasses</li> <li>&lt;ctx&gt;.click.search.customPopup.outerContent.*</li> <li>&lt;ctx&gt;.click.search.customPopup.tab.*</li> <li>&lt;ctx&gt;.click.search.customPopup.tabOrder</li> <li>&lt;ctx&gt;.click.search.customPopup.theme</li> <li>&lt;ctx&gt;.click.search.customPopup.title</li> </ul>	TT		
	<ctx>.click.search.customPopup.outerContent.fields=<field1>,<field2>,...	(Optional) List of field names (column 2) that correspond to the labels for each row.  Used by customPopup.directive=st-custom-tab-popup.	TT		
	<ctx>.click.search.customPopup.outerContent.labels=<label1>,<label2>,...	(Optional) List of labels (column 1) for each row of the table displayed above the tab bar. Defaults to nothing between title line and tab bar.  Used by customPopup.directive=st-custom-tab-popup.	TT		
Custom Popup Tabs	<ctx>.click.search.customPopup.tab	Used by customPopup.directive=st-custom-tab-popup.			
	<ctx>.click.search.customPopup.tab.<key>.directive=<tab directive>	Directive to display when the tab is selected	TT		
	<ctx>.click.search.customPopup.tab.<key>.label=<tab label>	(Optional) Defaults to <key>.	TT		

	<ctx>.click.search. customPopup.tab. <key>.layerName= <layer ws>:<layer name>	(Optional) Alternate layer to request for the data displayed in this tab. Implemented for Summary, Events, Evidence, Data Sources and Flight Schedule Tabs	TT		
	<ctx>.click.search. customPopup.tab. <key>. refreshInterval=<ti me in seconds>	(Optional) Specifies how often the tab will be refreshed. A tab will refresh each time it becomes focused. By default, when a tab is left focused it will not refresh <i>except</i> in Live Layer popups where the tab will refresh whenever the live layer does (set the refresh interval to 0 if this is undesired)	TT		
	<ctx>.click.search. customPopup.tab. <key>.role.<role>	(Optional) Requires user to have a certain role for viewing the tab. Multiple instances of this keyword allows user to view the tab if they have ANY of the specified roles.	TT		
	<ctx>.click.search. customPopup.tab. <key>. requiredFields=<fi eld1,field2,...>	(Optional) If configured, the custom tab will not show up if any of the field values in this list return true for _.isEmpty. (Note, this should probably change since _.isEmpty(1) === true). The field list is expected to be a comma separated list of attribute keys.			
	<ctx>.click.search. customPopup.tab. <key>.trkIdField=< id field>	(Optional) Field that links the layer that generated the popup with the alternate layer.	TT		
	<ctx>.click.search. customPopup.tab. Events.defaultColl apse=<boolean>	(Optional) Indicates if the items under the Events tab of the baseball card, are going to be collapsed or expanded. If not specified, the default is for the items to be expanded.	TT		
	<ctx>.click.search. customPopup. tabOrder=<key1>. <key2>....	(Optional) Defaults to alphabetical order of keys.  Used by customPopup.directive=st-custom-tab-popup.	TT		
	<ctx>.click.search. customPopup. theme=<dark, light>	(Optional) Chooses the theme for the custom tab popup. Default is "light".  Used by customPopup.directive=st-custom-tab-popup.	TT		
	<ctx>.click.search. customPopup. title=<custom title>	(Optional) Defaults to "{{layer name}}" . Can include a format to grab parameters from record, i.e. "{{label}} / {{subLabel}}"  Used by customPopup.directive=st-custom-tab-popup.	TT		
	<ctx>.click.search. customPopup. type=<table    tabs>	(Optional) 'table' implies the popup directive expects an array of records. 'tabs' implies the popup directive expects one record at a time.  NOTE: If you have specified <i>any</i> customPopup keyword, it will default to 'tabs'.	TT		
<b>Custom Popup Tabs: DDOF (Timeline tab)</b>	<ctx>.click.search. customPopup.tab. ddof. summaryDirective Title	(Optional) Points dynamically to the title directive for summary cards in the Timeline	1T		
		(Optional) Points to the corresponding body directive of the cards	1T		
		(Optional) Points to a directive detailed information inside the body of Timeline cards	1T		
	<ctx>.click.search. customPopup.tab. ddof. summaryDirective Body	(Optional) Sort order for the cards in the timeline  <a href="#">gitlab link</a> 	1T		
	<ctx>.click.search. customPopup.tab. ddof. summaryDirective Details				
	<ctx>.click.search. customPopup.tab. ddof. summarySortOrde rs=<asc    desc>				
<b>click search</b>					
	<ctx>.click.search. altLayer=<layer ws>:<layer name>	(Optional) Specifies an alternate layer that will be queried when clicking on this layer. Currently, only implemented for WMS layers. Errors can result if the alternate layer attributes are not a superset of the original layer. Geometry attributes must have the same name.			
	<ctx>.click.search. field.geom=<geom field>	(Optional)  Specify the layer property name of the geometry to use when performing a map click search for a WMS layer. If not defined, Stealth will try to find and use the name of the default geometry.			
	<ctx>.click.search. fixed.pixelBuffer=< buffer>	(Optional defaults to 5)  If using a fixed search strategy, this will specify the number of pixels around the map click to use when calculating the search bounding box.			
	<ctx>.click.search. strategy=<strategy>	(Optional defaults to bbox-fixed)  One of bbox-fixed, bbox-zoom, nearest-fixed-{n} or nearest-zoom-{n}.  bbox vs nearest: A bbox search will return all of the results within the search area, whereas nearest will return the closest n results to the initial map click location.  fixed vs zoom: A fixed search will use a pixel buffer around the map click location to calculate the bounding box which will keep the search area fixed with respect to the map view. A zoom search uses a meter buffer around the map click location to calculate the bounding box which makes the search area dependent on the zoom level with respect to the map view. If using a zoom strategy and the calculated bounding box for a zoom level is smaller than the calculated fixed bounding box then Stealth will use the fixed bounding box.			
	<ctx>.click.search. z3	(Optional) Use Z3 hint for click searches			
	<ctx>.click.search. sortBy	(Optional) An attribute name to sort click search results by. From the GeoServer documentation: Add a '+' for ascending order or a '-' for descending.			
	<ctx>.click.search. zoom. meterBuffer=<buff er>	(Optional defaults to 10000)  If using a zoom based search strategy, this will specify the number of meters to use as a buffer around the map click when calculating the search bounding box.			

dashboard					
	<ctx>.dashboard.enable	enable the 'Analytic Dashboard' menu option for a timelapse layer (enables scatterplot). NB: the dashboard also requires the user to have the appropriate role in 'arrow.visualization.dashboards.allowedRoles' in the stealth config.	TT	data-visualization	
context					
	<ctx>.context.<workspace>	Layer will show up under 'Context'. Can enter CQL filter and apply multiple filters.  <workspace> defines the 'Workspace' of the context layer, which is matched by the 'map.initLayers' config.	TT		
	<ctx>.context.<workspace>.disableClickSearch	Layer will not be clickable for search.			
	<ctx>.context.<workspace>.menu.zoomTo=<boolean>	(Optional) If true it displays the "Zoom" option in the context layer menu. Otherwise it either takes the value of the 'stealth.context.menu.zoomTo' typesafe config option or defaults to false.  By default, the map will zoom to the geometry bounds calculated by geoserver. That can be overridden by setting the keyword value to <num>,<num>,<num>,<num> to specify the area that the map will zoom to			
	<ctx>.context.<workspace>.prefilter=<CQL filter>	(Optional) Specified filter is applied to every instance of this layer. It is not shown to users, but it is ANDed with any filters specified by a user.			
	<ctx>.context.<workspace>.groupId=<group_name>	(Optional) If a layer belonging to a workspace has this keyword set to a group name. The layer will be added to a select drop-down menu in the workspace, with other layers that share that particular <group_name> (i.e "heat_maps", "group_1", "weather_activity").  This is helpful for layers in a workspace, where you only want 1 layer of the selected layers to be toggled on at any time. By default layers are listed in the work spaces under the Layer Manager > Context.			
	<ctx>.context.Base	<b>Note</b> that adding this keyword path will cause the Layer Library feature to ignore this layer	TT		
	<ctx>.context.Base.default	(Optional) Sets the current layer to be the default Base layer displayed on the map when the page loads.	TT		
detections	<ctx>.detections	Indicates that a layer contains image detections that are intended for user vetting.	DS	detections	
	<ctx>.detections.clearOldRecords=<boolean>	(Optional) Indicates whether records that have been loaded in the list-view should be cleared when they're scrolled out-of-view. Defaults to 'true'	DS	detections	
	<ctx>.detections.fields.checkedField=<field>	(Optional) Defaults to 'selected' and should only be changed if the layer already contains a property with the name 'selected'	DS	detections	
	<ctx>.detections.fields.explicitUrl=<field>	(Optional) If present, will be used to form an image thumbnail URL. {{entityId}} will be replaced with detections.fields.imageUrlField field value	DS	detections	
	<ctx>.detections.fields.highlightField=<field>	(Optional) Defaults to 'highlight' and should only be changed if the layer already contains a property with the name 'highlight'	DS	detections	
	<ctx>.detections.fields.imageUrlField=<field>	(Optional) Denotes the field containing values to be substituted in the URL in the detections.fields.explicitUrl keyword	DS	detections	
	<ctx>.detections.fields.imgField=<field>	(Optional) Tile-view img field, used to display thumbnails. Expected to be a base64 encoded string. Defaults to 'img'	DS	detections	
	<ctx>.detections.fields.labelField=<field>	(Optional) Tile-view label field, used to display detection labels. Expected to be a string. Defaults to 'label'	DS	detections	
	<ctx>.detections.fields.labelOptions=<field_1>,<field_2>,...	(Optional) List of available label options for users to select from in the tile-view. Defaults to an empty list	DS	detections	
	<ctx>.detections.fields.loadingField=<field>	(Optional) Defaults to 'loading' and should only be changed if layer already contains a property with the name 'loading'	DS	detections	
	<ctx>.detections.fields.modelVersionField=<field>	(Optional) Model version field name. If unset, the model version filter doesn't appear on the ds custom options step of the timelapse wizard.	DS	detections	
	<ctx>.detections.fields.modelVersionOptions=<version1>,<version2>,...	(Optional) Sets a list of string options for the Dragonspell stealth-detections wizard custom options step. Defaults to an empty list	DS	detections	
	<ctx>.detections.fields.niirsField=<field>	(Optional) NIIRS field name. If unset, the NIIRS filter doesn't appear on the ds custom options step of the timelapse wizard.	DS	detections	
	<ctx>.detections.fields.scoreField=<field>	(Optional) Tile-view score field, where the expected type is a number. If set, enables a score threshold slider in the tile-view. Defaults to null	DS	detections	
	<ctx>.detections.fields.vettedField=<field>	(Optional) Tile-view vetted status field, where the expected type is a Boolean. Defaults to 'vetted'	DS	detections	
	<ctx>.detections.omitKeys=<field_1>,<field_2>,...	(Optional) Properties to omit from the CSV exported from the tile-view. Defaults to an empty list.	DS	detections	
	<ctx>.detections.score.max=<max score>	(Optional) Sets the max value on the tile view's score threshold slider. Defaults to 0. Requires "detections.fields.scoreField" to be set.	DS	detections	
	<ctx>.detections.score.min=<min score>	(Optional) Sets the min value on the tile view's score threshold slider. Defaults to 1. Requires "detections.fields.scoreField" to be set.	DS	detections	

	<ctx>.detections. score.step=<slider step>	(Optional) Step value for the score threshold slider in the tile view. Defaults to 0.01. Requires "detections.fields. scoreField" to be set.	DS	detections	
	<ctx>.detections. score.value=<lower score>,<upper score>	(Optional) Sets the tile view score threshold slider's initial lower and upper values. Defaults to 0,1. Requires "detections.fields.scoreField" to be set.	DS	detections	
	<ctx>.detections. sort.fields=<field_ 1>,<field_2>,...	(Optional) Indicates what sort options are selected by default. Defaults to empty, so no sorting will be applied by default unless configured.	DS	detections	
	<ctx>.detections. sort.groups=<field_ 1>,<field_2>,...	(Optional) Indicates which sort options enable grouping the Vetting Pane	DS	detections	
	<ctx>.detections. sort.option.<field>= <label>	(Optional) Adds an option with the 'label' to the tile view sort menu and sorts the tiles by the 'field' when selected. Defaults to empty, so no sort options will be available unless configured.	DS	detections	
	<ctx>.detections. sort.order=<'asc' or 'desc'>,...	(Optional) Indicates the order of the sort options listed in the 'fields' keyword. Defaults to null, so default sort order may be non-deterministic unless this is configured.	DS	detections	
	<ctx>.detections. tile.size.max=<ma x tile px>	(Optional) Sets the max value (in pixels) on the tile view's tile-size slider. Defaults to 120	DS	detections	
	<ctx>.detections. tile.size.min=<min tile px>	(Optional) Sets the min value (in pixels) on the tile view's tile-size slider. Defaults to 50	DS	detections	
	<ctx>.detections. tile.size.step=<slid er step>	(Optional) Step value (in pixels) for the tile size slider in the tile view. Defaults to 1	DS	detections	
	<ctx>.detections. tile.size.value=<de fault tile px>	(Optional) The default tile size (in pixels) for the tile view. Defaults to 50	DS	detections	
editing	Keywords for use in the maritime- track-editor editing pane and select mode pane for live				
	<ctx>.editing. track. customActions	custom actions that can be performed on this track			
	<ctx>.editing. track.labelField	field to display in the top of the panel. Defaults to 'label_1'			
	<ctx>.editing. track.idField	specifies field to use as track ID field which is used to build request URL.			
	<ctx>.editing. track. editableFields	specifies fields that can be _edited_ in this pane.			
	<ctx>.editing. track. editableFieldsLab els	user-visible labels for fields specified by 'editableFields'.			
	<ctx>.editing. track. labelServiceUrl	(Optional) Specify the url that is used for getting labels for drop and contaminate/decontaminate, in the live select list pane. Supersedes what's in config. If set to "none", it will not attempt to get labels, even if specified in config.			
	<ctx>.editing. track. mergePlanService Url	(Optional) Specify the url that is used for getting merge plan (and labels) for merge action, in the live select list pane. Supersedes what's in config. If set to "none", it will not attempt to get the merge plan, even if specified in config.			
	<ctx>.editing. track.serviceUrl	(Optional) Specify the service url for live edits that the live select list pane will send edit requests to, for this layer. Supersedes what's in config.			
	<ctx>.editing. track.visibleFields	specifies fields that are _visible_ but not editable in this pane.			
	<ctx>.editing. track. visibleFieldsLabels	ser-visible labels for fields specified by 'visibleFields'.			
field	<ctx>.field.add.<fi eld>	(Optional)  Specifies a layer property to include when building the result records for click searches. Can be included multiple times to include multiple fields.  Currently can be used to add the "Lat-Lon" property. This keyword also pairs with the typesafe config <ctx>. map.clicksearch.add={ <attribute>: <true/false> } which configures the property globally.			
	<ctx>.field.escape. <field>	(Optional) Will escape the field value before displaying it in the map popup. Used to display HTML-like values, as-is.	TT		
	<ctx>.field.format. <field>=<some format template>	(Optional) Will format the display value for the default map popup. Can contain HTML. Can use values from other attributes. Implemented for WMS, time-lapse, and feature layers that are backed by GeoServer. Ex: ste alth.field.format.imgUrl= {{name}}  Datetime formatting example (using AngularJS date filter):  stealth.field.format.dtg={{ dtg   date:'yyyy-MM-dd HH:mm:ss' }}  Numeric example without any formatting:  stealth.field.format.POP2005={{ POP005 }} // 1234  Numeric example with number formatting and 4 decimal places (using AngularJS number filter):  stealth.field.format.SIZE={{ SIZE   number:4 }} // 1,234.0000	TT		

Formatting Schema	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;</pre>	<p>(Optional) Enables advanced label and value formatting. Currently only supported by the <code>coriPopupComponentsPagedTable</code> directive. See usage of <code>&lt;stealth-paged-table-key&gt;</code> and <code>&lt;stealth-paged-table-value&gt;</code> to implement support in other directives.</p> <p><b>Warning:</b> adding formattingSchema keywords to a geoserver layer <b>will disable legacy formatting keywords</b> for the whole layer (<code>field.format</code>, <code>field.escape</code>). This affects the default handling of values as HTML, and the template engine (will be lodash instead of angularjs). So — if you add some formattingSchema keywords, <b>you must update all fields</b> to use formattingSchema keywords.</p>			
	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.label=Mag netic bearing</pre>	<p>Customized label text. Rendered as HTML.</p> <p>If neither label or autoLabel are set, the actual field name will be shown.</p>			
	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.autoLabel= titleCase</pre>	<p>('titleCase'   'sentenceCase'). Alternative to label. Formats the field name.</p>			
	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.fromUnit=c elsius</pre>	<p>(SUnit) For converting units with toUnit. This is the value's given unit.</p>			
	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.displayAs= number  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;. numberOpts. toUnit=fahrenheit  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;. numberOpts. prefix=circa  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;. numberOpts. suffix= "F"  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;. numberOpts. style=percent  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;. numberOpts. useGrouping  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;. numberOpts. maximumFraction Digits=4</pre>	<p>Number formatting options.</p> <p>Supports any number formatting option from <a href="#">Intl.NumberFormat</a>.</p> <p>Note: for commas, use <code>`useGrouping`</code>.</p>			
	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.displayAs= enum  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.enumOpts. map= ("0": "Off", "1": "On")  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.enumOpts. hideUnrecognized</pre>	<p>Enum formatting options. If a value is not found in the map's keys (values are cast to strings for this lookup), then the value is shown unless <code>'hideUnrecognized'</code> is set.</p>			
	<pre>&lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.displayAs= date  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.dateOpts. formatPreset=iso- seconds-spaced  &lt;ctx&gt;.<b>field</b>. formattingSchema. &lt;field&gt;.dateOpts. utc</pre>	<p>Date formatting options.</p> <p>See <a href="#">SFormatPreset</a> for the list of supported format preset strings.</p>			

	<pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;.displayAs= template</pre> <pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;. templateOpts. template=Hello {{value}}</pre> <pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;. templateO pts.trustAsHtml</pre>	<p>Lodash templating for values. Uses double-bracket interpolation.</p> <p>Templates receive three variables: value, record, and schema. By default the text is not injected as HTML.</p>			
	<pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;.displayAs= preactComponent</pre> <pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;. preactComponent Opts.lookupKey= MySpecialCompo nent</pre> <pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;. preactComponent Opts. additionalProps.a=1</pre> <pre>&lt;ctx&gt;. field. formattingSchema. &lt;field&gt;. preactCom ponentOpts.additi onalProps.b=2</pre>	<p>Render values with a custom preact component. This component must be <a href="#">registered</a> with <code>formattingComponentsRegistry</code> (from <code>@stealth/registries/lib/formattingComponents</code>) with a <code>lookupKey</code>, which you use to identify it in the keyword.</p> <p>The component receives props for value, record, and schema, and can render anything.</p>			
	<pre>&lt;ctx&gt;. field.hide.&lt;fi eld&gt;</pre>	<p>(Optional)</p> <p>Specifies a layer property to exclude when building the result records for click searches. Can be included multiple times to exclude multiple fields.</p>			
	<pre>&lt;ctx&gt;. field.order=&lt; asc   desc&gt;</pre>	<p>(Optional) Either ascending or descending sort order for all the fields.</p>			
	<pre>&lt;ctx&gt;. field.putFirst= &lt;list of comma separated field names&gt;</pre>	<p>(Optional) Specifies certain fields to display before all the others (e.g. <code>Field13,Field6,Field9</code>). The order of this list will not be affected by the <code>field.format</code> keyword.</p>			
	<pre>&lt;ctx&gt;. fieldDisplayDecim alPlaces.&lt;field&gt;=&lt; integer&gt;</pre>	<p>(Optional) Number of decimal places to round this field values by. Also supports negative values, which will round by 10s, 100s, etc. Currently only implemented in <code>Timelapse Table</code>. Overwrites <code>&lt;ctx&gt;.timelapse.table.decimalPlaces</code></p>	TT,BD		
	<pre>&lt;ctx&gt;. fieldGroupDisplay DecimalPlaces.&lt;fi eld&gt;=&lt;integer&gt;</pre>	<p>(Optional) Number of decimal places to group observations by when grouped by this field. E.g., if this keyword is 3, values will be binned by the 1000s. Currently only implemented in <code>Timelapse Table</code>. Overwrites <code>&lt;ctx&gt;.timelapse.table.groupingDecimalPlaces</code></p>	TT,BD		
<b>filterFromUrl</b>	<pre>&lt;ctx&gt;. filterFromUrl</pre>	<p>Apply a CQL filter, defined in the URL, to a context layer. The URL should look like :</p> <p><a href="http://host:port/stealth/#?cqlFilter=&lt;encodedCqlFilter&gt;">http://host:port/stealth/#?cqlFilter=&lt;encodedCqlFilter&gt;</a></p>			
<b>histogram</b>	<pre>&lt;ctx&gt;. histogram. histogram.&lt;works pace&gt;</pre>	<p>Can make histograms from this layer.</p>		histogram	
<b>hover-quickhistory</b>	<pre>&lt;ctx&gt;. hover.live. quickhistory</pre>	<p>Works for Live layers only.</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. cacheTimeout</pre>	<p>optional: Milliseconds to keep linestrings in cache, defaults to 60000</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. daysBack</pre>	<p>optional: defaults to 7</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. dtgField</pre>	<p>optional: defaults to dtg</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. fillColor</pre>	<p>optional: defaults to #0000AA11</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. geomField</pre>	<p>optional: defaults to geom</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. historyLayer</pre>	<p><b>required:</b> The name of the geoserver layer which contains historic data</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. maxFeatures</pre>	<p>optional: defaults to 10000</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. maxSpeed</pre>	<p>optional: defaults to 800 m/s</p>	BD	hover	
	<pre>&lt;ctx&gt;. hover.live. quickhistory. outputFormat</pre>	<p>optional: defaults to 'application/json'</p>	BD	hover	



	<ctx>.hover.live.quickhistory.strokeColor	optional: defaults to #33ffff88	BD	hover	
	<ctx>.hover.live.quickhistory.strokeWidth	optional: defaults to 1	BD	hover	
	<ctx>.hover.live.quickhistory.trkIdField	<b>required:</b> Used to query the historyLayer for associated historical data.	BD	hover	
<b>hover-ellipse</b>					
	<ctx>.hover.timelapse.ellipse.delay	optional: Milliseconds. How long to wait before displaying the ellipse	BD	hover	
	<ctx>.hover.timelapse.ellipse.dtgField	optional: field name containing a date for the feature. This is used to create deterministic unique id's for each rendered ellipse. Necessary as feature id's are not always unique.	BD	hover	
	<ctx>.hover.timelapse.ellipse.fillColor	optional: Defaults to #42f4df11	BD	hover	
	<ctx>.hover.timelapse.ellipse.geomField	optional: field name containing the feature's Point, defaults to geom	BD	hover	
	<ctx>.hover.timelapse.ellipse.major	<b>required:</b> the field name containing the ellipse's semi-major value This capability is available for both Live layers and Timelapse layers.	BD	hover	
	<ctx>.hover.timelapse.ellipse.minor	<b>required:</b> the field name containing the ellipse's semi-minor value This capability is available for both Live layers and Timelapse layers.	BD	hover	
	<ctx>.hover.timelapse.ellipse.orientation	<b>required:</b> the field name containing the ellipse's orientation (degrees) This capability is available for both Live layers and Timelapse layers.	BD	hover	
	<ctx>.hover.timelapse.ellipse.strokeColor	optional: Defaults to #42f4df11	BD	hover	
	<ctx>.hover.timelapse.ellipse.strokeWidth	optional: Defaults to 1	BD	hover	
	<ctx>.hover.timelapse.ellipse.unitMultiplier	optional: Defaults to 1. A float which is used to multiply the major and minor values to allow for unit conversions. Expected units is meters so apply a conversion factor if necessary. If the major/minor are provided in the following here are a few possibilities: Nautical miles:1852, Kilometers:1000,Miles:1609.34,Feet:0.3048	BD	hover	
<b>hover-highlight</b>					
	<ctx>.hover.timelapse.highlight.trkIdField=<id field name>	Highlights observations which share the same value for the provided trkIdField attribute when the user hovers over an observation.  Works for Timelapse layers only.	BD	hover	
<b>hover-popup</b>					
	<ctx>.hover.timelapse.popup.template=<html template>	Displays a popup which contains the html template. Wrap field names in {} to insert their values into the template. Using an HTML table to organize the contents works well. A simple example: '<h1>{trkId} – {thingName}</h1>'  Works for Timelapse layers only.	BD	hover	
<b>imagery</b>					
	<ctx>.imagery.customPopup.explicitUrl=<parameter ized url>	(Optional) If present, will be used to form an image thumbnail URL. {{entityId}} will be replaced with image.customPopup.imageUrlAttr field value	DS	imagery	
	<ctx>.imagery.customPopup.idAttr=<id field>	(Optional) Specifies the id field. Defaults to id	DS	imagery	
	<ctx>.imagery.customPopup.imageUrlAttr=<field>	(Optional) Denotes the field containing values to be substituted in the URL in the imagery.customPopup.explicitUrl keyword	DS	imagery	
	<ctx>.imagery.customPopup.imageAttr=<base64 field>	(Optional) This field, if present and containing data, is expected to be a base64-encoded image. Defaults to img	DS	imagery	
	<ctx>.imagery.customPopup.subAttrs=<field_1>,<field_2>,...	(Optional) List of attributes to display in the popup subsection	DS	imagery	
	<ctx>.imagery.customPopup.superAttrs=<field_1>,<field_2>,...	(Optional) List of attributes to display in the main popup section	DS	imagery	
<b>Layer Library</b>					
	<ctx>.layerLibrary.previewImageUrl	(Optional) a url pointing to a thumbnail which will be populated in the LayerLibrary's list view when expanded (current thumbnail size is 50x50px)		layerLibrary	
<b>Live List</b>					
	<ctx>.live.list.sortByProperty=<property>	(Optional) When a WFS request is made, the data will be ordered by the specified property. The property must be a column in the geoserver.		live	
	<ctx>.live.list.sortByAsc=<boolean>	(Optional) When a WFS request is made, and the 'sortByProperty' keyword is used to sort by a specified property. The order will default to descending unless this keyword is specified with 'true'		live	
	<ctx>.live.<workspace>.list.grouping.property=<field_1>,<field_2>,...	(Optional) Grouping works in conjunction with sorting. If the list is not being sorted, then fields to group by will have no effect on the list. The fields are set to a comma separated list of fields to group by. (i.e vessel_type,vessel_name) Grouping will only become active, if the current field the list is being sorted by, matches one of the grouping fields that have been specified.		live	
	<ctx>.live.<workspace>.list.grouping.canCollapse=<boolean>	(Optional) Will determine if groups in the list can expand/collapse.  The default is true.			

	<ctx>.live.<workspace>.list.grouping.countDisplay=<boolean>	(Optional) Will determine if each group card will have a count of the number of records in the group.  The default is true.			
Live Table	<ctx>.live.table.columns=<field_1>,<field_2>,...	(Required) List of layer fields to display as columns in the live table		live	
	<ctx>.live.table.featureLimit=<number>	(Optional) Sets the feature limit for the live table's WFS request. Defaults to 500		live	
	<ctx>.live.table.iconClass=<icon_class>	(Optional) Sets the table display icon in the display menu. Defaults to the live thunderbolt icon		live	
	<ctx>.live.table.search.field.<field>=<field_display_name>	(Optional) Adds a field to the list of columns to search when creating a search filter across columns		live	
	<ctx>.live.table.defaultSortField.<default sort field>	(Optional) Denotes the default field of the live table. If not specified, dtg will be the default.		live	
	<ctx>.live.table.defaultSortOrder.<default sort order>	(Optional) Denotes the default table sort order, that the default field will be ordered by. If not specified, default sort order is desc.		live	
	<ctx>.live.table.sortByProperty=<property>	(Optional) When a WFS request is made, the data will be ordered by the specified property. The property must be a column in the geoserver.		live	
	<ctx>.live.table.sortByAsc=<boolean>	(Optional) When a WFS request is made, and the 'sortByProperty' keyword is used to sort by a specified property. The order will default to descending unless this keyword is specified with 'true'		live	
Live Multi-Select	<ctx>.multiselect.timelapse.layerName=<layer name>	(Required) Specifies layer to query. Should be something like stealth:trackHistoryLayer.			
	<ctx>.multiselect.timelapse.colorByField=<field to color by>	(Optional) Sets the default field to color by. Defaults to the Track ID Field for the assigned layer. This field will automatically be added to the retrieved arrow fields for this query to simplify configuration.			
	<ctx>.multiselect.timelapse.colorMode=<color mode>	(Optional) Sets the default color mode for a new timelapse layer. Defaults to 0.  <ul style="list-style-type: none"> <li>0: One Color</li> <li>1: Color by ID</li> <li>2: Color Ramp</li> </ul>			
	<ctx>.multiselect.timelapse.relativeTime=<ISO 8601 Duration definition>	(Optional) Defaults to 1 year. Allows configuration of custom relative lookback time for query. Support ISO 8601 Duration formatted durations. See <a href="https://en.wikipedia.org/wiki/ISO_8601#Durations">https://en.wikipedia.org/wiki/ISO_8601#Durations</a> for definition of standard.			
popup					
	<ctx>.popup.groupCapabilities.<icon class>.toolTipText=<tooltip text>	(Optional) If icons are grouped, then the parent button of the group corresponding to the specified icon class will have this tool tip text. Defaults to the tooltip text of the first capability button in the group.			
	<ctx>.popup.groupCapabilities.enabled=<true   false>	(Optional) Set to true to group capabilities by iconClass into a button with menu.			
	<ctx>.popup.hideBlankKeys=<true>	(Optional) Specify that rows where there are no values for the current record(s) should be hidden. Applies to singleRecordTable and pagedTable.	TT		
	<ctx>.popup.limitStartSize=<true/false>	(Optional) Boolean to limit the start size of the popup window. True will set a max-height CSS rule, false will not.	TT		
	<ctx>.popup.startSize.height=<number>	(Optional) Sets the initial height of a popup for that layer (overrides 2/3rds default size). Value is number of pixels, e.g.,  stealth.popup.startSize.height=200	TT		
	<ctx>.popup.startSize.width=<number>	(Optional) Sets the initial width of a popup for that layer (overrides 2/3rds default size) Value is number of pixels, e.g.,  stealth.popup.startSize.width=200	TT		
	<ctx>.popup.titleHideCoordinate	(Optional) Include if you want to hide the feature coordinate (longitude, latitude) in the popup title.		air	
	<ctx>.popup.titleHideLayerName	(Optional) Include if you want to hide layer name in the popup title.		air	
	<ctx>.popup.titleTemplate	(Optional) Configures the text used in the popup title. Templated fields are supported in, for example stealth. popup.titleTemplate=Ship:{{callsign}}.  The popup title is composed in this order (left to right): LayerName, Template, Coordinate. The previous keywords control presence/absence of LayerName and Coordinate. Note: this is currently supported only by the stealth-air plugin and liveListCoordinator		air	
	<ctx>.popup.titleTruncates.<key>=<number>	(Optional) Used with titleTemplate if you don't want to show the entire value in your title.  For example, stealth.popup.titleTruncates.threshold=5 would trim the id to the last 5 characters.  Numbers can be positive or negative to grab from the front or back respectively.			
	<ctx>.popup.emptyReplacement=<string>	(Optional) Used with titleTemplate to replace null, undefined, or empty string values with the supplied <string>.  For example, using the titleTemplate Ship:{{callsign}} and stealth.popup.emptyReplacement=UNK, if callsign is null the title would be displayed as Ship:UNK			

<b>Custom Set Options in Wizard</b>	<code>&lt;ctx&gt;.query. customWizardOptions=&lt;directive tag&gt;</code>	(Optional) Specify a directive to use in the last step of the Live or Time-lapse Query wizard  Examples: <code>st-dynamic-options</code> , <code>st-options-step-tab-layout</code> ,	TT	timelapse	
	<code>&lt;ctx&gt;.query. customWizardOptionsTabs.tabs. &lt;tab id&gt;.directive=&lt;directive tag&gt;</code>	(Optional) Prerequisite: <code>&lt;ctx&gt;.query.customWizardOptions</code> keyword set to <code>st-options-step-tab-layout</code>  Sets which directive to use for a tab. <code>&lt;tab id&gt;</code> is a unique arbitrary string, but will be the name of the tab if no field override is provided (see below).	TT	timelapse	
	<code>&lt;ctx&gt;.query. customWizardOptionsTabs.tabs. &lt;tab id&gt;.label=&lt;label text&gt;</code>	(Optional) Prerequisites: <code>&lt;ctx&gt;.query.customWizardOptions</code> keyword set to <code>st-options-step-tab-layout</code> , a <code>&lt;ctx&gt;.query.customWizardOptionsTabs.tabs.&lt;tab id&gt;.directive</code> keyword is set using this same <code>&lt;tab id&gt;</code> .  Sets the title of this tab. If not provided, will default to <code>&lt;tab id&gt;</code> . This option is particularly useful if you want a multi-word tab title.	TT	timelapse	
	<code>&lt;ctx&gt;.query. customWizardOptionsTabs. tabOrder=&lt;tabId1, tabId2, tabId3&gt;</code>	(Optional) Prerequisites: <code>&lt;ctx&gt;.query.customWizardOptions</code> keyword set to <code>st-options-step-tab-layout</code> , at least one <code>&lt;ctx&gt;.query.customWizardOptionsTabs.tabs.&lt;tab id&gt;.directive</code> keyword is set  Sets the tab order (from left right). Expects a comma-separated list of <code>&lt;tab id&gt;</code> 's.	TT	timelapse	
	<code>&lt;ctx&gt;.query. customWizardOptionsSettings. stMaritimeSetOptionsTabAdvanced. disableFields=&lt;list of fields&gt;</code>	(Optional) Prerequisites: <code>&lt;ctx&gt;.query.customWizardOptions</code> keyword set to <code>st-options-step-tab-layout</code> , at least one <code>&lt;ctx&gt;.query.customWizardOptionsTabs.tabs.&lt;tab id&gt;.directive</code> keyword is set to <code>st-maritime-set-options-tab-advanced</code>  Omits the listed fields from the "Fields" typeahead on the st-maritime Advanced tab template. Note that geometry-type fields are currently omitted automatically (based on SFT description) so disabling them using this keyword is unnecessary. Expects a comma-separated list of fields.	TT	timelapse	
<b>Email Alerts</b>	<code>&lt;ctx&gt;.query. savedQuery. manageEmailAlerts=&lt;true&gt;</code>	(Optional) specify that this layer can support email alerts. Defaults to false. If not set to true, the manage Email Alerts option is not visible in the saved Filters menu.			
<b>Quick Filter</b>	<code>&lt;ctx&gt;.quickFilter. basic.&lt;namespace&gt; cql</code>	(Required)  cql to apply to the layer when this quickFilter is chosen (make sure the fields match and the value is appropriate example: <code>stealth.quickFilter.basic.MIL.cql=affiliation='MIL'</code>		quickFilter	
	<code>&lt;ctx&gt;.quickFilter. basic.&lt;namespace&gt; label</code>	(Required)  text to display in the dropdown and as the layer name when selected by the user. It will be appended to the datasource's name... so in this case MIL will become 'LiveSim - MIL' when used on the LiveSim layer  example: <code>stealth.quickFilter.basic.MIL.label=MIL</code>		quickFilter	
	<code>&lt;ctx&gt;.quickFilter. basic.&lt;namespace&gt; default</code>	(optional) BOOLEAN  boolean value denoting to set this quickfilter as the default. This will make this quickfilter auto load instead of the base layer cql which is usually empty.  example: <code>stealth.quickFilter.basic.MIL.default=true</code>		quickFilter	
<b>Dynamic Area Query</b>	<code>&lt;ctx&gt;.querylayer. cql=&lt;cql_string&gt;</code>	(Optional)  Used as a CQL filter when querying for features from a dynamic feature source. Defaults to "INCLUDE"		timelapse	
	<code>&lt;ctx&gt;.querylayer. geomField=&lt;field&gt;</code>	(Required)  Indicates if a layer can be used as a dynamic feature source in the time-lapse wizard's area step. The field refers to the layer feature's geometry property.		timelapse	
<b>route analysis</b>	<code>&lt;ctx&gt;. routeanalysis. data.&lt;workspace&gt;</code>	Identifies the layers on which route analysis can be conducted.		routeanalysis	
<b>Search Option for Layers in LM</b>	<code>&lt;ctx&gt;.search.text. field.&lt;field&gt;</code>	Specifies field(s) used for free-text search. (field ILIKE '%search text%'). This is also the keyword used to enable the CQL auto-detect control. Configuring at least one field for a layer will show the control for that layer. This is supported for live and context layers.  	TT	timelapse	
<b>static</b>	<code>&lt;ctx&gt;.static.&lt;workspace&gt;</code>	Do a simple CQL query. Requires date and geometry fields. Layer will have drop down for selected geoserver styles in the layer manager style pane.		static	
<b>static wizard</b>	<code>&lt;ctx&gt;.static.&lt;workspace&gt;.field.dtg=&lt;dtg field&gt;</code>	(Optional) Sets the default dtg field in step 1 of the static ("Data" category) wizard. If both this and dtg are set and each only has the one option, step 1 will not appear.		static	
	<code>&lt;ctx&gt;.static.&lt;workspace&gt;.field. geom=&lt;geom field&gt;</code>	(Optional) Sets the default geom field in step 1 of the static ("Data" category) wizard. If both this and dtg are set and each only has the one option, step 1 will not appear.		static	
	<code>&lt;ctx&gt;.static.&lt;workspace&gt;.radiusPixels.max=&lt;value&gt;</code>	(Optional) Sets the maximum selectable radius (in pixels) for the radius slider when running a heatmap query on a static layer. Defaults to 100		static	
	<code>&lt;ctx&gt;.static.&lt;workspace&gt;.radiusPixels.min=&lt;value&gt;</code>	(Optional) Sets the minimum selectable radius (in pixels) on the radius slider when running a heatmap query on a static layer. Defaults to 1		static	
<b>time-controls</b>	<code>&lt;ctx&gt;.time-controls. defaultShowAll=&lt;true   false&gt;</code>	(Optional) If 'true' activates the "Show All" button by default. Defaults to 'false'.	DS	time-controls	
<b>timelapse 2D Histogram</b>					

	<ctx>.timelapse. 2dhistogram. enable=<true   false>	(Optional) Enables or disables the 2D Histogram option in the 3-dot menu on a timelapse query for the layer	TT	timelapse	
	<ctx>.timelapse. 2dhistogram.logz= <true   false>	(Optional, default <b>true</b> ). As of stealth 3.7.0 (stealth/geo 1.50.0)	TT	timelapse	
	<ctx>.timelapse. 2dhistogram. xAxisField=<field name>	(Optional) Defaults to the first field. As of stealth 3.2.0 (stealth/geo 1.11.0)	TT	timelapse	
	<ctx>.timelapse. 2dhistogram. yAxisField=<field name>	(Optional) Defaults to the second field. As of stealth 3.2.0 (stealth/geo 1.11.0)	TT	timelapse	
	<ctx>.timelapse. arrowFields=<field name 1>,<field name 2>,...	(Optional) Default fields to request with the Arrow format. User can always select a different set of fields.	TT	timelapse	
	<ctx>.timelapse. bbox=<true   false   num,num,num, num>,...	(Optional)	TT	timelapse	
	<ctx>.timelapse. colorByMultiplier= <positive integer>	(Optional) Number used to spread (by multiplication) color-by values into the color space. Defaults to 1.	TT	timelapse	
<b>timelapse charts</b>	<ctx>.timelapse. charts. unknownByDefault= <true   nothing at all>	(Optional) Set to true if you want the bar chart and 2d histogram to open with the Show Unknown Values option turned on	TT	timelapse	
<b>timelapse colorMode</b>	<ctx>.timelapse. colorMode=<0   1   2>	(Optional) Sets the default color mode for a new timelapse layer. Defaults to 0. <ul style="list-style-type: none"><li>• 0: One Color</li><li>• 1: Color by ID</li><li>• 2: Color Ramp</li></ul>		timelapse	
<b>timelapse default opacity</b>	<ctx>.timelapse. defaultOpacity=<0 -100>	(Optional) After performing a timelapse query, the default opacity will be set to this value. Can still be adjusted through the Style Manager.	DS	timelapse	
<b>timelapse default point size</b>	<ctx>.timelapse. defaultPointSize= <positive integer>	(Optional) Specify the starting point size when performing a timelapse query		timelapse	
	<ctx>.timelapse. defaultWmsOpacit y=<0-100>	(Optional) After performing a timelapse query with the 'labelStyle' keyword, this keyword will determine the opacity of the layer created when 'Show Labels' is checked.	DS	timelapse	
	<ctx>.timelapse. dictionaryEncoded ArrowFields=<field name 1>,<field name 2>,...	(Optional) A set of fields to request with the Arrow format that will be dictionary encoded. All other fields will <i>not</i> be dictionary encoded	TT	timelapse	
<b>timelapse disable fade</b>	<ctx>.timelapse. disableFade=<true   false>	(Optional) When enabled, timelapse layer points shouldn't fade in opacity or size.	DS	timelapse	
<b>timelapse export</b>	<ctx>.timelapse. export.exclude.<fo rmat name>		TT	timelapse	
	<ctx>.timelapse. export.include.<fo rmat name>=<form at value>		TT	timelapse	
<b>timelapse</b>	<ctx>.timelapse. hideRoot=<true>	(Optional) If set on a live layer this will hide unremovable layer from the layer manager and hide the layer from the live wizard. If added to an historical layer this will hide the layer from the timelapse wizard. The layers can still be added through things such as capability buttons that build their own queries.		timelapse	
	<ctx>.timelapse. preferredDatasour ce	(Optional) All datasources with this keyword are pulled to the top of the Select Datasource dropdown of the Timelapse wizard.		timelapse	
	<ctx>.timelapse. histogram.field. <name of field>. sortBy=<count, values>	(Optional) Sets the default sorting of the specified field. "count" sorts the histogram by the count of times the field's values appears in the data. "values" sorts by the ordering of the field's values (e.g. lexicographical for strings, numerical for numbers)	TT	timelapse	
<b>timelapse 1D Histogram (aka "Chart")</b>	<ctx>.timelapse. histogram. groupByField=<na me of field>	(Optional) Sets the default groupByField on the 1D Histogram. If not set, defaults to the first property it can use in the data.	TT	timelapse	
	<ctx>.timelapse. histogram. yAxisDropdown=< true   false>	(Optional) Enables or disables the dropdown on the y-axis of the 1D chart. If disabled, "Counts" will be displayed instead of the dropdown.	TT	timelapse	
<b>timelapse historical (stealth &gt;= 3.0.0)</b>	<ctx>.timelapse. historical	Denotes a layer on which a historical query should be possible.  <b>IMPORTANT NOTE: THE NAME OF THE LAYER IN GEOSERVER <i>MUST</i> MATCH THE NAME OF THE SFT IN GEOMESA.</b> To have two layers with the same name in GeoServer, you must add the other layer under a new workspace and new store.	TT	timelapse	
	<ctx>.timelapse. historical.field. colorBy=<color by field>	(Optional) Sets the default colorBy field for a timelapse query on that layer  Defaults to the trkIdField	TT	timelapse	
	<ctx>.timelapse. historical.field. colorRamp=<strin g>	(Optional) Specifies a field as the default color ramp field	TT	timelapse	

	<ctx>.timelapse. historical.field.dtg=<dtg field>	Required for non-summary layer timelapse queries. Sets the default dtg field to use.	TT	timelapse	
	<ctx>.timelapse. historical.field. endDtg=<end dtg field>	(Optional) Required for "summary" layer, with LineString geom	TT	timelapse	
	<ctx>.timelapse. historical.field. geom=<geom field>	Required. Sets the default geometry field to use.	TT	timelapse	
	<ctx>.timelapse. historical.field. heading=<heading field>	(Optional) Required for Route Search. Sets the default heading field to use.	TT	timelapse, route-search	
	<ctx>.timelapse. historical.field. label=<label field>	(Optional) Sets the default label field to use.	TT	timelapse	
	<ctx>.timelapse. historical.field. startDtg=<start dtg field>	(Optional) Required for "summary" layer, with LineString geom	TT	timelapse	
	<ctx>.timelapse. historical.field. trkid=<trk ID field>	Required. Sets the default track ID field to use.	TT	timelapse	
	<ctx>.timelapse. historical. fieldsIndexed. dtg=<list,of,fields>	(Optional) Allows us to limit the visible <b>"Time"</b> dropdown options of the first wizard step ("Select Data Source and Time Range") to those fields that are indexed in the db.	TT	timelapse	
	<ctx>.timelapse. historical. fieldsIndexed. geom=<list,of,fields>	(Optional) Allows us to limit the visible <b>"Geometry"</b> dropdown options of the first wizard step ("Select Data Source and Time Range") to those fields that are indexed in the db.	TT	timelapse	
	<ctx>.timelapse. historical. fieldsIndexed. additional=<list,of,fields>	(Optional) Displays a 'indexed' indicator icon next to the field in the tl wizard showing which fields will perform better. Also displays a warning icon if user selects non indexed field	TT	timelapse	
	<ctx>.timelapse. historical.group=<string>	(Optional) Determines sort order (added to maintain functionality previously provided by the <workspace> format). Defaults to z. (Requires TL Refactor)	TT	timelapse	
	<ctx>.timelapse. historical. interactionType=<string>	(Optional) Sets the click search strategy for a time-lapse layer. By default, it will use: <ul style="list-style-type: none"> <li>"BasicTLServer" for layers created through requests. This will re-run the query with a bbox filter based on the map click location to pull in features near the click</li> <li>"BasicTLLocal" for layers created from local files</li> </ul> Other options include: <ul style="list-style-type: none"> <li>"None" - Disables interactions on the layer</li> <li>"ArrowTLServer" - Can be used for arrow layers. This will create an id filter based on features close to the click location and uses it in place of the query's cql filter</li> </ul>	TT	timelapse	
<b>timelapse - Source Types Selection for Fused Layers</b>	<ctx>.timelapse. historical.fields. sourceField=<string>	Required for using the "source types" selection UI, which lets users querying against a Fused layer decide if they want to filter by contributing sources. (I.e., show them only results from the selected sources).  Filtering sources using this UI appends CQL such as sourceField IN ('list', 'of', 'source', 'values')  If no sources are selected, no additional CQL is added.	TT	timelapse	
	<ctx>.timelapse. historical.sources. <groupid>.label=<string>	Sets the label for a particular group of source types. The groupId can be any unique identifier. If unspecified, we'll show the <groupid> text as the label.	TT	timelapse	
	<ctx>.timelapse. historical.sources. <groupid>.list=<list,of,source,values>	Sets the list of source types in this group. These will appear nested under the associated label (or groupId, if a label isn't set.) The list of types must match the possible values of the configured sourceField.	TT	timelapse	
	<ctx>.timelapse. historical.sources. noGroup.list=<list,of,ungrouped,source,values>	Sets the label for ungrouped source types. These will not appear nested under anything in the UI. The list of types must match the possible values of the configured sourceField.	TT	timelapse	
<b>timelapse - Passthrough</b>	<ctx>.timelapse. historical. passthrough. enable	If present, adds the pass-through option to the TL layer context menu	TT	timelapse	
	<ctx>.timelapse. historical. passthrough. custom	If present, adds the pass-through custom wizard to the TL layer context menu		timelapse	
	<ctx>.timelapse. historical. passthrough. preset.<key>. offset=<duration>	If present, adds preset pass-through options with the specified durations, using a specified duration in ISO Duration format. (e.g., PT1H. See <a href="https://en.wikipedia.org/wiki/ISO_8601#Durations">https://en.wikipedia.org/wiki/ISO_8601#Durations</a> )		timelapse	
<b>timelapse historical - time options</b>	<ctx>.timelapse. historical. maxTime=<2000-01-01 00:00:00Z   NOW>	Returns data availability range - with min and max date/time - when known.  Accepts datetime in YYYY-MM-DD hh:mm:ss format or NOW as value.	TT, DS	timelapse	

	<ctx>.timelapse. historical. maxTimeRangeMi llis=<ms>		TT	timelapse	
	<ctx>.timelapse. historical. minTime=<2000- 01-01 00:00:00Z>	Returns data availability range - with min and max date/time - whe	TT	timelapse	
	<ctx>.timelapse. historical. polygonPixelThres hold=<number>	(Optional) If a polygon is going to be rendered as fewer pixels than the given keyword val, it draws a circle instead	DS	timelapse	
	<ctx>.timelapse. historical. relativeTimeEnabl ed=<true   false>	(Optional) Determines if the relative time range input appears in the timelapse wizard. Overrides the relativeTimeEnabled setting in the config	DS	timelapse	
	<ctx>.timelapse. historical. relativeTimeUnits= <unit1>,<unit2>,...	(Optional) List of available time units in the wizard's relative time range input. The accepted unit values are any options defined under moment.unitOfTime.Base. Defaults to using hours, days, weeks, months, and years	DS	timelapse	
	<ctx>.timelapse. historical. renderer=<string>	(Optional) Defaults to POINT. If provided, choose a different renderer to handle the geom. Current options include POINT, POLYGON.	DS	timelapse	
	<ctx>.timelapse. historical. requestType=<stri ng>	(Optional) Determines the type of query that gets run from the time-lapse wizard. By default, it will run a WFS getFeatures request. Some other options include "WPSQueryFeatures" and "WPSFlattenFeatureProperties"	TT	timelapse	
	<ctx>.timelapse. historical. timeRangeButtons= <value1,value2...>	value is a list of comma-separated values representing time differences that should be presented as buttons when starting a timelapse query, such as: 12h,3h,1d,1w,1m. This will replace the default buttons, not add to them.  To add the special time range button that sets the datetime pickers to the currently visible range on the timelapse slider, use "SLIDER_WINDOW" as one of the values (however, this button will appear with the fa-history icon instead of that text). This will not appear unless there is an active timelapse slider.  <b>It is recommended you configure no more than four options.</b>	TT	timelapse	
	<ctx>.timelapse. historical. trackTimeOffsetSe conds=<s>	(Optional) If specified, restricts query to return LineString data with start date/time occurring no earlier than specified start date/time minus keyword value in seconds. Use optimizes query performance.	TT	timelapse	
	<ctx>.timelapse. historical.showArr owFields=<true   false>	(Optional) shows arrow fields section by default (checkbox UI)	TT	timelapse	
<b>timelapse label</b>	<ctx>.timelapse. label.defaultStyle= <style name>	(Optional) Allows a time-lapse layer to render labels by requesting a WMS layer with the specified style.	TT	timelapse	
	<ctx>.timelapse. label. customStyle=<styl e name>	(Optional) Allows user to toggle between the default label style and the custom one defined by this string.		timelapse	
	<ctx>.timelapse. label. allowCustomSelec tions=<true   false>	(Optional) Allows a user to customize the fields that appear in the 'customStyle' label. Keywords 'label1,' 'label2,' and 'label3' set the defaults for those fields. Default is false		timelapse	
	<ctx>.timelapse. label. customStyleText= <custom style label text>	(Optional) Sets the text for the radio button that turns on a custom style defined by the 'customStyle' keyword. Default is "Custom"		timelapse	
	<ctx>.timelapse. label. defaultStyleText= <default style label text>	(Optional) Sets the text for the radio button that turns on a default style defined by the 'defaultStyle' keyword. Default is "Default"		timelapse	
	<ctx>.timelapse. label.trackHeadSt yle=<true   false>	(Optional) Allows a separate checkbox to display track heads in the Style Manager time-lapse section. Default is false. Includes 'env.trackHeads' parameter in WMS label request when set to 'true'		timelapse	
	<ctx>.timelapse. label.trackHeadSt yleText=<track head label text>	(Optional) Sets the text for the checkbox turned on by <ctx>.timelapse.label.trackHeadStyle. Default is 'Heads'		timelapse	
	<ctx>.timelapse. label.label1=<label field> <ctx>.timelapse. label.label2=<label field> <ctx>.timelapse. label.label3=<label field>	(Optional) sets defaults for the three label fields for custom label style		timelapse	
	<ctx>.timelapse. label.fontSize. enable=<true   false>	(Optional) Enables a font size slider that sends 'env.fontSize' param in label WMS requests for use by the SLD to modify the font size of labels. Default is false		timelapse	
	<ctx>.timelapse. label.fontSize. minimum=<font size>	(Optional) Sets the minimum font size that a user can set. Defaults to 8 pt font.		timelapse	
	<ctx>.timelapse. label.fontSize. maximum=<font size>	(Optional) Sets the maximum font size a user can set. Defaults to 32 pt font.		timelapse	

	<ctx>.timelapse. label.fontSize. default=<font size>	(Optional) Sets the default font size prior to any user changes. Default is 14 pt.		timelapse	
	<ctx>.timelapse. labelStyleText=<st ring>		DS	timelapse	
	<ctx>.timelapse. label. resolutionThreshold =<ol map resolution>	(Optional) Sets the minimum ol resolution at which time-lapse labels will be requested from the frontend. Default is 1, which should always request		timelapse	
	<ctx>.timelapse. label.selectionCql Limit=<string length of label cql query>	(Optional) Sets the maximum length of the CQL string used to query for time-lapse labels. Used to prevent burdening the backend with excessively long queries. A toast warning will appear if this limit is reached, and labels will be turned off.		timelapse	
<b>timelapse largeTimeRangeWarning</b>	<ctx>.timelapse. largeTimeRange Warning.duration=< duration>	Sets a max recommended duration for the first step of the timelapse wizard. Expects <a href="#">ISO Duration format</a> with <a href="#">slight differences</a> . Examples: <ul style="list-style-type: none"> <li>• 12 hours: "PT12H"</li> <li>• 3 weeks: "P3W"</li> <li>• 3 days: "P3D"</li> <li>• 1 month, 4 hours: "P1MT4H"</li> </ul> Works in conjunction with timelapse.largeTimeRangeWarning.message in pom.xml.	TT	timelapse	
	<ctx>.timelapse. historical. largeTimeRange Warning.duration= <duration>	Same as <ctx>.timelapse.largeTimeRangeWarning.duration, but this form is used by the Colocation query. Not sure why.			
	<ctx>.timelapse. historical. largeTimeRange Warning. message=<messag e>	Per-layer override. See largeTimeRangeWarning.message in <a href="#">Stealth Config Options</a> .			
<b>timelapse list</b>	<ctx>.timelapse. list.cardContent=< title>	(Optional) Sets the directive used to define the content with the Timelapse list cards		timelapse	
	<ctx>.timelapse. list.cardTitle=<title>	(Optional) Sets the directive used to define the title section of the Timelapse list cards		timelapse	
	<ctx>.timelapse. list.enabled=<true /false>	(Optional) Determines if the list is added along with the Timelapse layer. When set, it overrides the list enabled setting from the config.		timelapse	
	<ctx>.timelapse. list.listTitle=<title>	(Optional) Sets the directive used to define the title section of the Timelapse list view		timelapse	
	<ctx>.timelapse. list.title=<title>	(Optional) Defaults to using either the customPopup.title keyword if available or the trkld field.	TT	timelapse	
<b>timelapse live</b>	<ctx>.timelapse. live.<workspace>	Enables a live layer, such as one from a Kafka Data Store.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. field.tailGeom=<tail geom field>	(Optional) Enables "Jailbreak" queries in the Live Wizard.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. idField=<id field>	Set this to enable MKB map/table interactions	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.display.field.<d isplay field>	Denotes fields to display in live list for layer. Use one instance of this keyword per field.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.iconClass=<ico n class>	(Optional) Icon Class for Live Layer/list (non-air) - remember to add ccri-icon class if using ccri fonts e.g. ccri-icon ccri-icon-sam-fixed	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.search.field.<s earch field>	Denotes fields to use in live list search for layer. Use one instance of this keyword per field.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.subTitle.field.< subTitle field>	(Optional) Denotes subtitle field used in live list for layer. If not configured, then 'sublabel' will be used'.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.title.field.<tit le field>	(Optional) Denotes title field used in live list for layer. If not configured, then 'label' will be used'.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. thresholdFilter. defaultMax=<max>	(Optional) Initial max value for threshold filter. Defaults to max, if not specified.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. thresholdFilter. field=<field name>	(Optional) Name of field associated with threshold filter.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. thresholdFilter. max=<max>	Max value for threshold filter. Required to use threshold filter.	TT	timelapse	

	<ctx>.timelapse. live.<workspace>. thresholdFilter. min=<min>	Min value for threshold filter. Required to use threshold filter.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. thresholdFilter. step=<step>	(Optional) Step increment for threshold filter values.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.sort.field.<sort field>	Denotes fields to use in list view sort for layer. Use one instance of this keyword per desired sort field.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.sort. defaultSortField.< default sort field>	(Optional) Denotes the default field(s) of the list view sort. If not specified, the first list.sort.field will be the default.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.sort. defaultSortOrder.< default sort order>	(Optional) Denotes the default sort order, that the default sort field will be ordered by. If not specified, default sort order is asc.	TT	timelapse	
	<ctx>.timelapse. live.<workspace>. list.sort. fieldsTracked.<fiel ds tracked>	(Optional) A number that specifies the number of sort fields to use, when sorting the list data. The default will be 1.	TT	timelapse	
<b>timelapse queryhistory</b>	<ctx>.timelapse. queryhistory. geomads=<Geo Mesa datastore alias>		TT	timelapsehi story	
	<ctx>.timelapse. queryhistory.sft=< SFT name>	(Optional) Defaults to layer name, if not specified	TT	timelapsehi story	
<b>timelapse queryTypes</b>	<ctx>.timelapse. queryTypes=<que ry type 1>,<query type 2>,...	Used to identify what query types are supported. The first value defines the default query type for programmatic queries such as the show timelapse capability button.  Example: <ctx>.timelapse.queryTypes=arrow,binary	TT	timelapse	
	<ctx>.timelapse. recordTerm=<strin g>	(Optional) Allows for historical layers to refer to their individual records as something other than the default 'observations', such as reports, or activities, or whatever you like	TT	timelapse	
	<ctx>.timelapse. recordTermLabel= <string>	(Optional) Abbreviated term for a layer's records to use where space is limited, such as how 'Observations' becomes 'Obs' in the County column header	TT	timelapse	
	<ctx>.timelapse. requiredArrowFiel ds=<field name 1>, <field name 2>,...	(Optional) A set of fields to request with the Arrow format. The user will not be able to remove these fields.	TT	timelapse	
	<ctx>.timelapse. fastFields=<field name 1>,<field name 2>,...	(Optional) A set of fields to be requested for the Fast Fields and Selected Fields export type. The User will not be able to remove these fields	TT	timelapse	
	<ctx>.timelapse. showLabelDefault= <style name>	(Optional) If timelapse.labelStyle is set, check the added checkbox by default	DS	timelapse	
<b>timelapse scatterplot</b>	<ctx>.timelapse. scatterplot. xdefault=<field>	(Optional) Default field for the x-axis of the scatterplot		timelapse	
	<ctx>.timelapse. scatterplot. ydefault=<field>	(Optional) Default field for the y-axis of the scatterplot		timelapse	
<b>timelapse summary</b>	<ctx>.timelapse. summary.<worksp ace>		TT	timelapse	
	<ctx>.timelapse. summary.<worksp ace>. eventsLayerName= <layer ws>.<layer name>	Specifies the corresponding layer that holds events.	TT	timelapse	
<b>timelapse table</b>	<ctx>.timelapse. table.enable=<true   false>	(Optional) Enables or disables the Timelapse Table option in the 3-dot menu on a timelapse query for the layer  This feature also requires `stealth.timelapse.queryTypes=arrow`	TT	timelapse	
	<ctx>.timelapse. table. groupByFields. include=<field name 1>,<field name 2>,...	(Optional) When set, will limit the table's group-by field options to those in the list (if they're present in the data)	TT	timelapse	
	<ctx>.timelapse. table. groupByFields. exclude=<field name 1>,<field name 2>,...	(Optional) When set, will exclude these fields from the table's group-by field options (if they're present in the data)	TT	timelapse	
	<ctx>.timelapse. table. decimalPlaces=<i nteger>	(Optional) Number of decimal places to round timelapse table numeric values by. Also supports negative values, which will round by 10s, 100s, etc. See also: <ctx>.fieldDisplayDecimalPlaces.<field>	TT	timelapse	
	<ctx>.timelapse. table. groupingDecimalP laces=<integer>	(Optional) Number of decimal places to group observations by when grouped by a numeric value. E.g., if this keyword is 3, values will be binned by the 1000s. See also: <ctx>.fieldGroupDisplayDecimalPlaces.<field>	TT	timelapse	



	<ctx>.timelapse. whitelistedArrowFields=<field name 1>,<field name 2>,...	<b>DEPRECATED (use allowedArrowFields)</b> (Optional) If specified, Arrow field options will be limited to this list.	TT	timelapse	
	<ctx>.timelapse. allowedArrowFields=<field name 1>,<field name 2>,...	(Optional) If specified, Arrow field options will be limited to this list.	TT	timelapse	
<b>timelapse video</b>	<ctx>.timelapse. video. entityIdField=<field name>	The field name where the ID for the current entity these videos are grouped by (e.g. missionID). See <a href="#">Timelapse Video</a> .	TT	timelapse	
	<ctx>.timelapse. video. videoFileField=<field name>	The field name where the video file is stored in the arrow data. See <a href="#">Timelapse Video</a> .	TT	timelapse	
<b>timelapse wizard</b>	<ctx>.timelapse. wizard.area. zoom=< true   false   num,num,num,num >	(Optional) Shows/hides the "Go to AOI" button in the area step of the Time-lapse wizard. By default, the button uses the bounding box that geoserver calculates for a layer, but that can be overwritten by defining an extent in the keyword value	TT	timelapse	
	<ctx>.timelapse. wizard.drawtools. default=<tool_name>	(Optional) Sets the default TL wizard draw tool option for the layer. Options include: coordRect, polygon, radiusCircle, bufferFeature, mapView, wholeEarth	TT	timelapse	
	<ctx>.timelapse. wizard.drawtools. exclude=<tool_name_1>,<tool_name_2>,...	(Optional) Excludes the specified tools from the TL wizard draw tools options for the layer. By default the wizard includes these options: coordRect, polygon, radiusCircle, bufferFeature, mapView, wholeEarth	TT	timelapse	
	<ctx>.timelapse. wizard.drawtools. include=<tool_name_1>,<tool_name_2>,...	(Optional) Sets the TL wizard draw tool options for the layer. The available options include: coordRect, polygon, radiusCircle, bufferFeature, mapView, wholeEarth	TT	timelapse	
<b>timelapse merge layers</b>	<ctx>.timelapse. mergeLayers. enable=<boolean>	(Optional) Set the optional ability to merge similar timelapse layers. Seen in the 3 dot menu of the layer. defaults to false	TT	timelapse	
<b>wms</b>	<ctx>.wms. initialOpacity=<0-1>	(Optional) Specifies an initial opacity for a WMS layer	TT		
	<ctx>.wms. params.<param name>=<param value>	(Optional) Specifies a WMS GetMap request parameter. Ex: <code>stealth.wms.params.FORMAT=image/png8</code>	TT		
<b>style</b>	<ctx>.style. checkboxes.<Env param key>=<Display name>;<default value>	(Optional) Allows a layer to specify a custom checkbox in the style widget for controlling environment parameters sent back to the server.  <default value> is specified as either 'true' or 'false' not 1 or 0	TT		
	<ctx>.style. checkboxes. showLabels=<Display name>;<default value>	(Optional) Adds a checkbox to control label visibility and a UI that allows users to edit labels. Currently only respected by Live layers.  <b>SLD Requirements:</b> 1) showLabels is the param that controls label visibility in the SLD 2) label1, label2, and label3 are the params used for the actual labels in the SLD. At minimum there should be at least one of these.	TT		
	<ctx>.style. colorpickers.<Env param key>=<Display name>	(Optional) Adds a checkbox and a color picker element to the Style Manager entry for a live layer which allows users to a) toggle a layer style element on/off in the map, and b) change the color of that layer style element.  For example this configuration will add a checkbox and color picker ui controls with the combined label 'Halo'. Changing the color will change the color of the layer elements using the 'shapeStrokeColor' environment parameter in the live layer SLD, for example halo colors. Toggling the checkbox will toggle these same elements on/off.  <ctx>.style.colorpickers.shapeStrokeColor=Halo	TT		