Geocortex® | by Latitude Geographics®

Software Release Notes

Geocortex Viewer for HTML5 2.11.0

June 2018

1.1 Introduction

The Geocortex Viewer for HTML5 is part of the Geocortex Essentials product line; however it is shipped and released separately from Geocortex Essentials.

This document summarizes changes included in the most recent release of the Geocortex Viewer for HTML5, as well as changes made in previous versions. For more information about the release of Geocortex Essentials, please consult the Geocortex Essentials Release Notes.

2.11.0 Product Release

Released: 27-Jun-2018

Release Version Number	2.11.0

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.10.1 release to the 2.11.0 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.10.

- This release requires Geocortex Mobile App Framework version 2.3.1 for offline deployments.

- This release uses version 3.21 of the ArcGIS API for JavaScript.

- This release supports ArcGIS Enterprise version 10.6.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.3.

New Features

The following features were introduced in this release:

- Results Table – In Place Editing

- Results Table – Sort Results

- Results Table – Filter Results

- Results Table – Reorder and Remove Columns

- Results Table – Export and Save Modified Results

- Reporting 5 Support

- Improved Startup Times

Known Issues

- WFS Layer limitations:
    - Not currently supported in global search
    - Must match the spatial reference of the base map of the application

Bug Fixes

The following issues were resolved in this release:

BUG-9195	Resize overlay incorrectly sized when a form is active in the data frame
BUG-13746	Layer name text too close to the layer icon in Feature Set Collection view
BUG-13955	Fixed a misconfiguration that could result in the failure to download ESRI api components
BUG-14086	Feature Action Menu text was incorrectly aligned in the handheld shell
BUG-14242	Collaboration Websocket connections could fail with large numbers of users
BUG-14342	Some OGC WMS services produced errors when identifying
BUG-14455	'Add to results' command was unavailable until the results pane had been opened
BUG-14471	Certain actions in the viewer could permanently disable annotation layers
BUG-14619	Some administrator defined queries on coded domain fields could not be displayed in the viewer
BUG-14629	A service whose full extent was undefined would cause an error when initializing a site
BUG-14639	Could not toggle WMS layers on and off when using a local copy of ESRI's API
BUG-14640	User added graphics layers sometimes added to the bottom of the map
BUG-14696	Update interval not respected for WMS layers
BUG-14698	Collaboration could fail periodically with a 'NullReferenceException'
BUG-14737	Stream layers could not be resymbolized
BUG-14742	Uploading data or restoring projects could sometimes break dynamic mapservice layers
BUG-14794	Some workflow forms had incorrectly wrapped text
BUG-15038	Text markup tool needed to be 'sticky' to function properly
BUG-15053	Layer reordering view incorrectly claimed that some services were not in the layer list
BUG-15346	Some WMTS services in Web Mercator could fail to display
BUG-15429	Collaboration could become unavailable until Geocortex Core was restarted
BUG-15829	Blank images requested for dynamic mapservices with no layers turned on
BUG-16253	A WMTS service that did not specify a bounding box would not display correctly
BUG-16397	Using the Filter tool on Layer Catalog layers could cause them to disappear
BUG-16428	Geolocation 'Follow Me' mode disabled map panning permanently
BUG-16869	Coordinate values truncated when using a comma as the decimal separator
BUG-16918	Incorrect validation used for edits on 1:1 relationship key fields
BUG-17108	Feature hyperlinks were non-functional when displayed in the FeatureSelectorView on some browsers
BUG-17221	Fixed many issues present when using the screen reader NVDA in combination with Firefox
BUG-17721	Filter state could not be reset by selecting 'Clear' after closing and reopening tool
BUG-18393	Layer Catalog would not function properly if a group layer had the same name as a layer in the catalog service
BUG-18662	Datalink field replacement tokens in feature descriptions did not resolve when the datalink was inherited
BUG-18815	1:1 datalink data not visible in Results Table view

BUG-19020   Using the 'ClearSelection' command on query results would disable the Query Builder tool

2.10.1 Product Release

Released: 14-Dec-2017

Release Version Number	2.10.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.10 release to the 2.10.1 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.9.1.

- This release requires Geocortex Mobile App Framework version 2.3.1 for offline deployments.

- This release uses version 3.21 of the ArcGIS API for JavaScript.

- This release supports ArcGIS Enterprise version 10.5.1.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.3.

Important Information – Support for Workflow 5 Series

In support of the Workflow 5 series, an additional library has been added to the configuration files for the 2.10 release of the Geocortex Viewer for HTML5.

If a viewer is not able to access this library, then the viewer may not operate properly. This situation may occur where the viewer's environment includes either:

- Forward proxies; or

- Close networks

For both use cases, the problem may be avoided by:

- Upgrading to the 2.10.1 release; and

- Deleting both the Workflow 5 host library and the corresponding module from the viewer's configuration files

For a proxied system, the problem may also be avoided by upgrading to the 2.10.1 release and adding the URL included in the WorkflowHost module to the proxy's whitelist.

Known Issues

- WFS Layer limitations:
  - Not currently supported in global search
  - Must match the spatial reference of the base map of the application

Bug Fixes

The following issues were resolved in this release:

GVH-8803	Smart labeling causes illegible labels
GVH-14070	'SelectFeatures' task in workflow switches from the workflow view to the results view
GVH-14768	Action menu styling renders incorrectly on IE11
GVH-15241	New Feature or Related Record Disappears Until Viewer Extent Change or Reloaded in Safari iOS
GVH-15292	Page title incorrectly reads "Results List Collection Actions" for several different context menus
GVH-15539	Border tab indicator needs increased contrast
GVH-16026	Translating user privileges in Collaboration results in overlapping text
GVH-16219	Revert to non-grouped results cannot save "Look and feel" changes
GVH-16314	Simple Query Builder, Simple Filter Builder and Scale box forms have no submit buttons
GVH-16316	Allow administrator to configure whether highlights appear on map images in reports
GVH-16366	Datalink values of 0 do not show in the results panel of the viewer
GVH-16371	OpenStreetMap link doesn't conform to WCAG Guidelines
GVH-16415	Cannot change library in drawing styles
GVH-16426	Simple Query Builder has non-unique IDs
GVH-16427	Date Picker has non-unique IDs
GVH-16456	First measurement erased on map isn't cleared from Results Table
GVH-16477	Dragging Bottom Panel view up pushes map widgets above Toolbar
GVH-16483	Views are overlapped when clicking on add attachment while editing
GVH-16487	File picker in collaboration does not have description
GVH-16488	Feature Set Actions can appear outside of the screen when Results Table has many tabs
GVH-16490	Query Builder displays dropdown menus for field and operator for layers with no visible fields
GVH-16499	Saved Project Results Table Layer Buttons Missing
GVH-16509	Union of overlapping features does not work in iOS tablet
GVH-16515	Cannot export markup to shapefile from saved project
GVH-16541	Clustering/Heat maps opacity not respected when exported/printed
GVH-16548	Cut/Union Support for Related Features. Warn users when performing actions that alter features relationships.
GVH-16592	Highlight cannot be removed when the map tip is open, and a newly created feature is cut or edited.
GVH-16623	Cut does not work on Polylines
GVH-16624	Union does not work on Polylines
GVH-16625	Display Results Picker no longer respects Feature Description and Show Icons configuration
GVH-16634	Field permissions are not respected on date fields
GVH-16658	Using a Select Features or Show Results (in Workflow 5) without specifying a Layer Name causes Results Table to appear without tab name
GVH-16694	Do Not Highlight Any Features is broken when using the Table View
GVH-16696	Time slider does not show correctly in Firefox 57
GVH-16714	Insufficient contrast in Footer Menu View
GVH-16746	Extra request for file that does not exist
GVH-16782	Double slash in ESRI request results in 404

2.10 Product Release

Released: 02-Nov-2017

Release Version Number	2.10

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.9.2 release to the 2.10 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.9.

- This release requires Geocortex Mobile App Framework version 2.3.1 for offline deployments.

- This release uses version 3.21 of the ArcGIS API for JavaScript.

- This release supports ArcGIS Enterprise version 10.5.1.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.3.

- This release contains changes to the way that custom CSS is applied. Custom CSS changes should follow the recommendations included in the "Shells Module" section of the "Geocortex Viewer for HTML5 (GVH) Administrator Help" page on the Geocortex Documentation Center.

- This release contains an updated QuickStart project and sample modules that use modern AMD development patterns. See the QuickStart's README.md file for build instructions.
  Note: legacy development patterns are still fully supported, but AMD style development is recommended for new code.

- The Samples Viewer for the SDK Samples is not included in this release. The Samples Viewer is now available online at the Geocortex Documentation Center.

Important Information – Support for Workflow 5 Series

In support of the Workflow 5 series, an additional library has been added to the configuration files for the 2.10 release of the Geocortex Viewer for HTML5.

If a viewer is not able to access this library, then the viewer may not operate properly. This situation may occur where the viewer's environment includes either:

- Forward proxies; or
- Close networks

For both use cases, the problem may be avoided by:

- Upgrading to the 2.10 release; and

- Deleting both the Workflow 5 host library and the corresponding module from the viewer's configuration files

For a proxied system, the problem may also be avoided by upgrading to the 2.10 release and adding the URL included in the WorkflowHost module to the proxy's whitelist.

New Features

The following features were introduced in this release:

- Results Table Redesign – Results Tables Actions (per tab or row)
- Results Table Redesign – Infinite Scrolling
- Results Table Redesign – Improved Performance
- Advanced Editing Tools – Cut
- Advanced Editing Tools – Union

Known Issues

- WFS Layer limitations:
    - Not currently supported in global search
    - Must match the spatial reference of the base map of the application
- New Features or Related Records in iPad (iOS)
    - New features/related records are not visible until the viewer extent is changed or the viewer is reloaded
- The Cut and Union tools do not support layers with related features

Bug Fixes

The following issues were resolved in this release:

GVH-5518	Cannot listen for any events with circular references from workflow
GVH-6093	Querying an exact date with the '=' operator doesn't return any features
GVH-7522	Forms in "ModalWindowNoCloseButton" container do not close
GVH-9156	Panning with any 3rd Party Map option "sticks" and moves map, but not cursor
GVH-11950	User-added layers disappear when running "AppendCatalogLayers" command
GVH-12011	Viewer fails to zoom and pan related feature for feature layer
GVH-12350	Ability to attach file or photo to related feature missing from Panel Actions menu
GVH-13409	Total measurement label obscures last vertex of polyline
GVH-13411	One-to-one data link fields are truncated or null when exporting to CSV or XLSX
GVH-13442	Pictometry "Export Visible Area" doesn't download any images
GVH-13743	Layer themes broken when including nested base map folders
GVH-14302	Attachment and related feature missing from feature details panel
GVH-14868	Sticky tools not deactivated when selecting linked maps tool
GVH-15681	Highlights disappear when switching results list to results table with "Highlight All Features" mode

GVH-15777   MapTip callouts do not show "View Additional Details" or "Edit Feature" at the bottom of the callout

GVH-15789   RunWorkflowByUrl isn't listed as an available command in Manager

GVH-15813   Feature Buffering - Selecting the "Units" drop-down when the "Distance" field is empty causes an error

GVH-15822   When "Highlight All Features" is selected, the highlight layer is not cleared when a new identify operation is run

GVH-15933   When "Highlight All Features" mode is used, "Remove from Results" does not remove yellow highlight

GVH-16039   Filter builder interactions with workflow SetLayerDefinition activity are inconsistent

GVH-16052   "Create New Feature" tool shows feature services that don't have "Create" capability

GVH-16060   "Get Current Location" workflow activity occasionally returns stale location

GVH-16063   "Outer Focused Border Highlight" colour is not respected

GVH-16115   Buffer distance of "1" fails to buffer

GVH-16169   Unable to run reports if map contains a text symbol with no font size

GVH-16193   Changing drawing order of layers within group layers causes layers to disappear

GVH-16230   Layer charts consider 'null' to have a value of 1 rather than 0

GVH-16235   Vector tiled layer will not load when geocortexUseLocalEsriApi = true

GVH-16382   Cannot scroll context menu on tablet shell when in table view

2.9.2 Product Release

Released: 25-September-2017

Release Version Number	2.9.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.9.1 release to the 2.9.2 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.8.

- This release requires Geocortex Mobile App Framework version 2.3 for offline deployments.

- This release uses version 3.21 of the ArcGIS API for JavaScript.

- This release supports ArcGIS Enterprise version 10.5.1.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.3.

- This release contains an updated QuickStart project and sample modules that use modern AMD development patterns. See the QuickStart's README.md file for build instructions.
  Note: legacy development patterns are still fully supported, but AMD style development is recommended for new code.

- The Samples Viewer for the SDK Samples is not included in this release. The Samples Viewer is now available online at the <u>Geocortex Documentation Center</u>.

Known Issues

- WFS Layer limitations:
  - o Not currently supported in global search
  - o Must match the spatial reference of the base map of the application

Bug Fixes

The following issues were resolved in this release:

GVH-16201   WMTS in Webmercator & WGS84 fails to get the tiles with GVH 2.9.1
GVH-16228   OGC (WMTS and WFS) features are shifted

2.9.1 Product Release

Released: 16-August-2017

Release Version Number	2.9.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.9.0 release to the 2.9.1 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.8.

- This release requires Geocortex Mobile App Framework version 2.3 for offline deployments.

- This release uses version 3.21 of the ArcGIS API for JavaScript.

- This release supports ArcGIS Enterprise version 10.5.1.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.3.

- This release contains changes to the way that custom CSS is applied. Custom CSS changes should follow the recommendations included in the "Customizing the Viewer" section of the Geocortex Viewer for HTML5's Administrator and Developer Guide.

- This release contains an updated QuickStart project and sample modules that use modern AMD development patterns. See the QuickStart's README.md file for build instructions.
  Note: legacy development patterns are still fully supported, but AMD style development is recommended for new code.

- The Samples Viewer for the SDK Samples is not included in this release. The Samples Viewer is now available online at the Geocortex Documentation Center.

Known Issues

- WFS Layer limitations:
  - Not currently supported in global search
  - Must match the spatial reference of the base map of the application

- Version 3.21 of the ArcGIS API for JavaScript refactored a css class from "tooltip" to "esriMapTooltip". We have included this change in this release, but custom developers who are using the "tooltip" class will need to refactor their code to accommodate this change.

Bug Fixes

The following issues were resolved in this release:

GVH-14376	Coded domains not resolving for feature description and details
GVH-15079	Removed user added layers appear on project load
GVH-15097	Filter builder has text that incorrectly refers to the filters as queries
GVH-15424	Query/Filter Builder does not allow proper drop down option for coded domains
GVH-15581	Feature Details not shown in results list unless Feature Description and Feature Long Description are defined
GVH-15593	Typescript definition files not included in SDK package
GVH-15629	Workflow's content has scroll bar
GVH-15756	Icon URI property of the Select Features activity has no effect
GVH-15786	GVH CSS Files No Longer Loaded From inetpub Directory
GVH-15819	Map Tips initial HREF link does not work
GVH-15844	IE11 fails when adding graphics layer to the map while Esri Draw toolbar is active

2.9 Product Release

Released: 04-Jul-2017

Release Version Number	2.9

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.8.2 release to the 2.9 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.8.

- This release requires Geocortex Mobile App Framework version 2.3 for offline deployments.

- This release uses version 3.20 of the ArcGIS API for JavaScript.

- This release supports ArcGIS Enterprise version 10.5.1.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.3.

- This release contains an updated QuickStart project and sample modules that use modern AMD development patterns. See the QuickStart's README.md file for build instructions.
  Note: legacy development patterns are still fully supported, but AMD style development is recommended for new code.

- The Samples Viewer for the SDK Samples is not included in this release. The Samples Viewer is now available online at the Geocortex Documentation Center.

Important Information – Support for Workflow 5 Series

In support of the Workflow 5 series, an additional library has been added to the configuration files for the 2.9 release of the Geocortex Viewer for HTML5.

If a viewer is not able to access this library, then the viewer may not operate properly. This situation may occur where the viewer's environment includes either:

- Forward proxies; or
- Close networks

For both use cases, the problem may be avoided by:

- Upgrading to the 2.9 release; and

- Deleting both the Workflow 5 host library and the corresponding module from the viewer's configuration files

For a proxied system, the problem may also be avoided by upgrading to the 2.9 release and adding the URL included in the WorkflowHost module to the proxy's whitelist.

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New Features

The following features were introduced in this release:

- "Skip Navigation" Links (Accessibility/WCAG)
- Support for MGRS/USNG coordinate systems in the Coordinate Tool
- Tool Labels Toggle
- Support for Workflow 5 series

Known Issues

- WFS Layer limitations:
    - Not currently supported in global search
    - Must match the spatial reference of the base map of the application

Bug Fixes

The following issues were resolved in this release:

GVH-10465	Query/Filter tools show all layers from all layer themes upon site load
GVH-12602	"Follow Me"/"Track Me" throws an error shortly after being invoked on an iPad
GVH-14602	Toolbar button displayed when toolbar is open on startup
GVH-14635	Layer loading notification occasionally does not appear
GVH-15058	Feature disappears when editing from the feature actions menu in the results list or from Map Tip link
GVH-15570	ConfigDomain issues following viewer upgrader to GVH 2.8.x

2.8.2 Product Release

Released: 30-May-2017

Release Version Number	2.8.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.8.1 release to the 2.8.2 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.7.

- This release requires Geocortex Mobile App Framework version 2.2 for offline deployments.

- This release uses version 3.20 of the ArcGIS API for JavaScript.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.1.

- This release contains an updated QuickStart project and sample modules that use modern AMD development patterns. See the QuickStart's README.md file for build instructions.
  Note: legacy development patterns are still fully supported, but AMD style development is recommended for new code.

Deprecation Notice

- Geocortex Viewer for HTML5 2.7.2 was the final version to support iOS 8; as of version 2.8, the Geocortex HTML5 Viewer requires iOS 9 or greater. iOS 10 is recommended.

Known Issues

- WFS Layer limitations:
  - Not currently supported in global search
  - Must match the spatial reference of the base map of the application

Bug Fixes

The following issues were resolved in this release:

GVH-15385   Unable to load site when signed in, with Insight/Analytics module enabled

2.8.1 Product Release

Released: 25-May-2017

Release Version Number	2.8.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.8.0 release to the 2.8.1 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.7.

- This release requires Geocortex Mobile App Framework version 2.2 for offline deployments.

- This release uses version 3.20 of the ArcGIS API for JavaScript.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.1.

- This release contains an updated QuickStart project and sample modules that use modern AMD development patterns. See the QuickStart's README.md file for build instructions.
  Note: legacy development patterns are still fully supported, but AMD style development is recommended for new code.

Deprecation Notice

- Geocortex Viewer for HTML5 2.7.2 was the final version to support iOS 8; as of version 2.8, the Geocortex HTML5 Viewer requires iOS 9 or greater. iOS 10 is recommended.

Known Issues

- WFS Layer limitations:
  - Not currently supported in global search
  - Must match the spatial reference of the base map of the application

Bug Fixes

The following issues were resolved in this release:

GVH-12582	Creating related tabular data fails if table not published in map service
GVH-13749	When entering text into a textarea, the cursor jumps to the end
GVH-14247	Selected file window does not close after trying to add a file to Collaboration room with Microsoft Edge
GVH-14279	Unable to create related spatial features
GVH-14469	Random legend labels displayed in layer list after user re-symbolizes dynamically added layers

GVH-14471   WMS layers are displayed initially when added through the AssemblyProvider Layer Catalog

GVH-14519   Geolocation time-out error on iOS 10.3 and 10.3.1

GVH-14900   Cannot click command hyperlinks in feature set view in IE 11 and Firefox

GVH-14984   Filter Builder clauses stack when user presses "Filter" button multiple times without any intervening events

GVH-14998   Data frame resize button (handle) is missing on startup

GVH-15014   Setting results list to use Feature Description has no effect – Feature Long Description is always used

GVH-15019   Zoom upon geolocation no longer works

GVH-15041   Images in the results list have unexpected formatting applied

GVH-15081   Images not displayed in Display Form

GVH-15090   Opening and closing the Panel Actions Menu prevents use of Map Tips

2.8 Product Release

Released: 26-Apr-2017

Release Version Number	2.8.0

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.7.2 release to the 2.8.0 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.7.

- This release requires Geocortex Mobile App Framework version 2.2 for offline deployments.

- This release uses version 3.20 of the ArcGIS API for JavaScript.

- Custom development done against this version of the product in TypeScript requires TypeScript 2.1.

Deprecation Notice

- Geocortex Viewer for HTML5 2.7.2 was the final version to support iOS 8; as of version 2.8, the Geocortex HTML5 Viewer requires iOS 9 or greater. iOS 10 is recommended.

New Features

The following features were introduced in this release:

- Tested to be compatible with ArcGIS 10.5:
  - ArcGIS for Server
  - Portal for ArcGIS

- Solve communication challenges spatially with real-time, map-based collaboration tools

- Clickable graphics, improved editing, editing markup

- The results list now supports grouping of results by layer

- Improved feature highlighting and push-pin interactions between the results list and map

- Easily add or remove from existing results using identify tools

- Enhanced markup symbology controls allow you full control over styles including support for icons

- Filter the layer list and legend to find layers of interest

- Build, save and run more sophisticated queries. This includes:
  - 'OR' operations with nesting
  - Administrator defined queries

- Dynamically reorder map services and layers within the viewer
- Export to CSV and Excel operations now include related data link data
- Receive instant, ripple-effect feedback when clicking on the map
- Enhanced feedback/notification system to prompt actions
- End users are now able to delete attachments

Known Issues

- WFS Layer limitations:
    - Not currently supported in global search
    - Must match the spatial reference of the base map of the application
    - Cannot be added via layer catalog or user layer addition
- The Quickstart and SDK samples still use the legacy module syntax

Bug Fixes

The following issues were resolved in this release:

GVH-5169	Display Capture Geometry default type not shown as active
GVH-5679	Null reference when using geocortex.request on a secured site and content is not specified
GVH-5860	Results Table Tab arrows off center in Firefox, IE 8, 9, 10
GVH-6746	Toolbar arrow button should not be displayed if number of tools in toolbar is less than number of tools to display
GVH-7788	Long related feature title tabs overlapped in expanded view
GVH-8013	Markdown form item contents do not appear in Handheld shell
GVH-8134	Map clicks sometimes do not register or have a long delay in Chrome
GVH-8427	Font used in Print Map difficult to read in Chrome/IE
GVH-8796	Query value field width shrinks to an unusable width when a large field name exists
GVH-9339	Cannot resize table results view as expected by dragging on edge of table
GVH-9828	'Create new Feature' view remains with 'no editable field' error after deleting feature
GVH-9883	Text in Data Region is double-spaced in IE
GVH-10416	Feature hyperlinks convert hyperlink text replacement tokens into an "&" command
GVH-10455	Long URL in feature description causes squished feature details view
GVH-10482	Offline basemap options do not align properly in manager
GVH-10670	Layer List folder still appears in Layer List view when permissions restrict access to layers
GVH-10693	Bottom of text in map tip title is cut off
GVH-10813	Layer's legend appears in theme that does not have the layer available
GVH-10968	Border is overlapped with legend in legend page
GVH-11057	Mailto links don't work in map tips
GVH-11287	Workflow returns to HomePanel after being run from HomePanel, without displaying results
GVH-11357	"Show Labels" in customize labels dialog doesn't align with checkbox
GVH-11363	Styling issue with portrait mode on iOS devices
GVH-11510	Styling issue with "Layer Added" confirmation message in Handheld shell

GVH-11590	Poor performance with table view and thousands of results
GVH-11790	Tab focus length overflows on time slider handles and data picker in FireFox
GVH-11832	Token not being refreshed for layer-secured map services
GVH-11840	Unable to use certain characters on Search Tables via the global search
GVH-11867	High memory usage after doing a few large identify operations
GVH-12004	Incorrect tab title when multiple anonymous feature sets are selected from workflow
GVH-12020	Heat map enabled on uploaded data features becomes opaque in loaded project
GVH-12024	Layer Addition: Feature layers from ArcGIS Online cannot be saved and restored correctly via save project
GVH-12107	Multiple export calls made by viewer on startup
GVH-12157	Can't identify layers added via layer catalog that have minimum scale set to zero
GVH-12195	NVDA screen reader does not read row description in the debug menu
GVH-12227	Cannot customize labels when service is token secured
GVH-12245	Global Search only works if unchecking "Give Precedence to Nearby Results"
GVH-12290	ViewManager.createView does not properly check for null
GVH-12302	Layer Catalog Assembly Provider: Possibly unhandled TypeError: Cannot read property 'mapServices' of null
GVH-12325	The buildEventBinding function does not check for null
GVH-12334	Color picker not available in Internet Explorer when customizing visualization
GVH-12354	User list appears in IE11
GVH-12356	Named anchor tags (fragments) are removed and root URL is loaded
GVH-12393	Search results can take a long time to display
GVH-12406	Transparency slider not restored properly when a project is opened
GVH-12497	Setting Display Time Zone causes site with time slider to fail to load
GVH-12551	Add layer URL overflow in IE11 and Edge
GVH-12620	Cannot type dates manually into the date picker
GVH-12751	Line layer legend swatch is at the bottom beside the layer text
GVH-12835	"Font Style" checkboxes in label customization are not aligned with their text
GVH-12896	Cannot pick seconds in DatePicker form items
GVH-12951	Default Geographic Coordinate System functionality broken
GVH-12973	Scale Override not respected when set in Layer Catalog
GVH-12975	Menus missing default icon
GVH-13099	Workflow loops, then fails, when changing container name in a sequence
GVH-13127	Closing time slider also closes the data region
GVH-13129	Number of results counted is inconsistent in Table view
GVH-13153	GeoRSS layers with default namespaces are not displayed by the viewer
GVH-13282	Layer List and Legend do not wrap long layer names
GVH-13333	Map tip appears while Edit tool is being activated
GVH-13513	Broken splash logo when local path used
GVH-13592	Splash screen moves around while viewer loads
GVH-13639	Setting Line Width has no effect in Layer Visualization
GVH-13732	Identify operation incorrectly warns that "Feature Set Collection does not exist"
GVH-13829	Cannot re-add features to results list that you previously removed

2.7.2 Product Release

Released: 5-Dec-2016

Release Version Number	2.7.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.7.1 release to the 2.7.2 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.6.

- This release requires Geocortex Mobile App Framework version 2.1 for offline deployments.

- Custom development done against this version of the product in TypeScript requires TypeScript 1.8.

- As of iOS version 10.0, Safari's geolocation capabilities are only supported for applications on secure origins (HTTPS). See https://support.geocortex.com/essentialsGSCForum?id=90660000000PDgrAAG for more information.

Deprecation Notice

- Geocortex Viewer for HTML5 2.7.2 is the final version to support iOS 8; as of version 2.8, the Geocortex HTML5 Viewer will require iOS 9 or greater. iOS 10 is recommended.

Known Issues

- GVH-12406: When a saved project is opened, its layer list transparency slider settings may not be reset properly. For example, a transparency slider set to the minimum position when a project is saved may be set to the maximum position when the saved project is opened.

Bug Fixes

The following issues were resolved in this release:

GVH-4200	Remove calls to deprecated FileError API
GVH-12262	Session expiry warning appears for ArcGIS Online/Portal (requires Essentials 4.6.3)
GVH-12472	Last tool in the list can't display on the compact toolbar
GVH-12480	Maximum call stack size exceeded when using the time slider
GVH-12596	Geocortex Bookmarks stops working after clearing cache in Chrome 54
GVH-12696	Load/Save Projects not working after clearing cache in Chrome 54

2.7.1 Product Release

Release Version Number	2.7.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.7 release to 2.7.1 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.6.

- This release requires Geocortex Mobile App Framework version 2.1 for offline deployments.

- Custom development done against this version of the product in TypeScript requires TypeScript 1.8.

- As of iOS version 10.0, Safari's geolocation capabilities are only supported for applications on secure origins (HTTPS). See https://support.geocortex.com/essentialsGSCForum?id=90660000000PDgrAAG for more information.

Deprecation Notice

- Geocortex Viewer for HTML5 2.7.1 is the final version to support iOS 8; as of version 2.8, the Geocortex HTML5 Viewer will require iOS 9 or greater. iOS 10 is recommended.

Known Issues

- GVH-12262: When a user is signed into ArcGIS Online, the session expiration warning may not appear until 15 to 20 minutes after the token has already expired.

- GVH-12406: When a saved project is opened, its layer list transparency slider settings may not be reset properly. For example, a transparency slider set to the minimum position when a project is saved may be set to the maximum position when the saved project is opened.

Bug Fixes

The following bug fixes were made:

GVH-3026	Implement Layer Addition using Service Discovery Interface
GVH-6004	Legend items are displayed with incorrect sizes
GVH-8109	In the "Create New Feature" template picker, the line features icon is identical to the polygon icon
GVH-9908	Responses from image services are parsed incorrectly, resulting in no feature details
GVH-10255	Text entered into the "Notes" field in the "Print Map" view appears from right to left

GVH-10559	Save and Restore project state for Layer Addition feature
GVH-10646	Identify operation generates type errors ("Cannot read property 'query' of undefined")
GVH-10807	Layer excluded from layer list is visible after loading project
GVH-10836	Cancel button in upload data is cut off in Android phone
GVH-10855	Layer lists without any theme configuration may display an empty folder
GVH-11009	Time-aware sliders cannot be saved in a project
GVH-11139	Layer Catalog – Implement "remove" functionality for Assembly Provider
GVH-11155	Layer catalog and user added layers do not respect symbol transparency
GVH-11164	Edit Geometry not functioning for feature layers added via Layer Addition
GVH-11176	Cannot remove a catalog layer from the map until all layers in the folder are removed
GVH-11243	Bookmarks widget popup covered when using the footer module
GVH-11291	Some borders missing in legend list on iOS handheld
GVH-11388	When identifying a raster and in the tabular view, some headers are not associated with the correct field
GVH-11429	Save Open Project for Assembly Provider
GVH-11441	User added layer not displayed correctly in layer list in SDK samples
GVH-11447	Cannot Change Time Slider Start/End Point if Clicking Directly on a Line
GVH-11449	Layer Catalog creating UserAddedLayers Folder
GVH-11453	Label for button that hides the Time Slider is misleading
GVH-11455	Cannot change extent by clicking left side of Time Slider in "cumulative from start" mode
GVH-11457	Restoring tiled or image service does not work with layer catalog Save Open Project
GVH-11463	Removing a layer from a folder while adding one from its sub-folder creates two linked transparency sliders
GVH-11479	Time Slider scale is visible behind blue bar after expanding tabbed toolbar in Chrome
GVH-11497	Unable to use Time Slider in an offline environment
GVH-11516	Cannot load attachments for feature services layers added from layer catalog
GVH-11532	Related data missing in Feature Details for layers added from layer catalog
GVH-11534	Basemap folder icons in layer list appear at wrong location
GVH-11537	Viewer does not pan or zoom to a related record when clicked
GVH-11545	Layer Catalog – implement some changes needed for "RemoveUserAddedLayer"
GVH-11546	Layer Catalog – empty user added layers folder is recovered while opening saved project
GVH-11556	Layer Catalog – change esri.layers.ArcGISDynamicMapServiceLayer._img exists to hit a different dynamic map service
GVH-11618	Cannot identify Upload Data
GVH-11621	QuickStart configuration is out of date
GVH-11624	Show site's rest endpoint in viewer log
GVH-11639	Layer Catalog – Assembly Provider has multiple ways to check/uncheck from layer list
GVH-11641	Callout map tips show content (rather than title) in title field
GVH-11643	All layers turn visible when adding/removing a layer with Layer Catalog
GVH-11645	Moving end-time handle causes start-time handle to move (Handheld)
GVH-11651	Time slider handle misbehaves when "Time Instant" mode is set
GVH-11653	Layer Catalog – layer disappears from map while adding another layer from layer catalog

GVH-11660	"Place User Added Layer Here" folder remains invisible until layer added from Layer Catalog
GVH-11664	Cannot Edit Multi Point Feature
GVH-11669	Type errors ("Cannot read property 'isCodedValueDomain' of undefined") are generated when adding layers via layer catalog
GVH-11671	Time Slider – cannot access parts of UI in landscape mode on Handheld Android devices
GVH-11675	Time Slider – styling issues with labels
GVH-11695	Add help link for Measurement page in Management Pack
GVH-11696	Layers from Layer Catalog that are not contained in folders do not get removed from layer list
GVH-11700	Remove "smartOrderUserAddedLayers" and "insertPosition" from LayerAdditionViewModel configuration
GVH-11701	Add a UserLayerType property to services and layers added at runtime
GVH-11708	Layer Catalog – Remove configuration check for smart ordering
GVH-11711	Layer Catalog – Layer list check/uncheck is reset when adding layers from layer catalog seed site provider
GVH-11724	Date picker keyboard support
GVH-11727	SDK sample does not navigate correctly after external webpage opened in iframe
GVH-11729	Update time slider setting tab icon
GVH-11732	Layer Catalog type error in initializing layer: "Unable to draw graphic (geometry:null, symbol:null): Cannot read property 'parent' of undefined"
GVH-11740	Create a language string for Layer Addition Unsupported WKID error
GVH-11743	Layer Addition – color of success message
GVH-11753	SDK Samples: Add Layer example broken
GVH-11755	Time slider still displayed on the map when loading a saved project without time slider profile
GVH-11759	Time slider handles are not screen reader-friendly
GVH-11769	Cannot delete DateTime in an Edit Feature Session
GVH-11777	"Write to Drawing Layer" is not aligned to checkbox
GVH-11779	Base map layer legend is not aligned properly in FireFox
GVH-11792	Time slider handles do not work when screen readers enabled
GVH-11814	Layer Catalog Assembly Provider – spaces in URL of essentials layer
GVH-11828	Save Results – "Currently Open" text on the same line as results name
GVH-11830	Secured geocoding service does not pass token in URL for Reverse Geocodes
GVH-11835	Null check needed when getting default renderers in case a cluster layer data source has gone missing.
GVH-11842	Dynamic Symbolization – search extent does not increase if initial query returns no results
GVH-11849	Modify MapTextProvider to include map time extent description
GVH-11856	Smart ordering causes assembly provider layer catalog pre-added layers to be ignored
GVH-11863	Fields used to make subtypes claim to have coded domains even when they do not, causing symbolization to fail
GVH-11865	Failed service icon appears under layer name in layer list (Firefox)
GVH-11869	Long layer name overlaps with transparency slider in handheld
GVH-11875	Layer Addition – error When Adding WMS Services in IE
GVH-11889	Layer Catalog – whole layer catalog tree structure is removed while removing a layer in presence of other layer catalog layers
GVH-11899	Highlights on map do not update if layer renderer changes
GVH-11927	Layer Catalog – error when removing vector tile service

GVH-11931	Load saved project does not function correctly
GVH-11941	Unique Value renderer fails mysteriously in Chrome
GVH-11945	Time extent does not disappear when set to "time instant" mode
GVH-11948	Layer Catalog – permissions not being properly applied
GVH-11953	Include LabelLayer.js in Esri scripts
GVH-11958	Identify does not work for WMS services added from Layer Catalog
GVH-11964	Layer Visualization will not reset to default using Layer Catalog with dynamic layers
GVH-11972	Legend is not retrieved if a Dynamic map service URL does not end with "/Mapserver"
GVH-11974	Workflow date picker remembers the last selected date even after clearing the date field
GVH-11978	Identify does not work for WMS services that do not support the "Query" operation
GVH-11986	Layer catalog does not support secured map service with token security
GVH-12017	Uploaded data does not appear in results list/table when loading the saved project
GVH-12024	Layer Addition – feature layers from ArcGIS Online cannot be saved and restored correctly via save project
GVH-12028	Upgrading to GVH 2.7 resets the Analytics Client Relay to the default
GVH-12034	Changing Opacity in "Set Map Service Property" activity does not have any effect on map service
GVH-12054	Folder icon changes its position after upgrade GVH 2.6.1 to 2.7
GVH-12062	Unable to run report on layers added via Layer Catalog
GVH-12086	Related features/tables not working with Layer Catalog
GVH-12088	Data links do not work with Layer Catalog
GVH-12124	Cannot resymbolize labels if original label has no halo
GVH-12146	Changing text of Input Scale 'GO' button results in its wrapping below
GVH-12175	Global search results from Bing Geocoder do not have a display name
GVH-12206	Query does not highlight feature services that are re-projected
GVH-12233	Bookmarks list can be covered by the footer module
GVH-12243	Can't identify a WMS backed by a WFS containing raster features

2.7 Product Release

Released: 8-Aug-2016

Release Version Number	2.7

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.6.1 release to 2.7 release of the Geocortex Viewer for HTML5.

Important Information

The following information applies to this release:

- This release requires Geocortex Essentials 4.6.

- Custom development done against this version of the product in TypeScript requires TypeScript 1.8.

New Features

The following features were introduced in this release:

- Tested to be compatible with ArcGIS 10.4.1:
  - ArcGIS for Server
  - Portal for ArcGIS
- API Updates
  - The API uses version 3.17 of the ArcGIS API for JavaScript.
  - The API is built using TypeScript 1.8.
- Users can use a new Time Slider control to manipulate the time extent of the map.
- Users can change the rendering of layers on the fly with new Dynamic Symbolization controls.
- Users can toggle and reconfigure the labels of layers on the fly.
- Users can add layers to the map from a predefined list of catalog layers set by the administrator.
- Users can search for services and layers by URL or keyword and add them to the map.
- When performing a buffered identify operation the end user now has the option of persisting the buffer polygons to the drawings layer.
- Management Improvements. Administrators are now able to:
  - Edit all menus
  - Configure the "Hide on Disabled" behavior of menu items
  - Configure color of the I Want To menu and other components
  - Publish viewer URLs to ArcGIS Online and Portal for ArcGIS.

Known Issues

- Services and Layers added to the map by end users through Layer Addition are not stored in saved projects

Bug Fixes

The following bug fixes were made:

GVH-5525	Allow viewer command links in the home panel to be made WCAG-compliant
GVH-6955	Map tips won't show resolved coded value domain when one feature is selected
GVH-7552	Change title of view from "Create a feature" to "Create New Feature"
GVH-7947	Some requests to WMS service are not being sent through configured proxy page
GVH-8747	Accessibility icon background does not respect banner background color
GVH-8844	If the I Want To Menu contains no items, it displays poorly
GVH-8900	Some graphical elements do not have adequate contrast
GVH-9178	The Printing module fails to print correct layers if the map scale differs from the print scale
GVH-9351	For Android tablets, items in the Saved Selection results view are missing their bottom borders
GVH-9386	For the Tablet shell, items in the I Want To Menu are missing their separating borders
GVH-9462	In the Offline Maps manager, a long name string will overlap the edit box
GVH-9653	Share Project styling
GVH-9710	The Upload Data module is retaining Custom WKID field information for subsequent upload calls
GVH-9752	The measurement unit dropdown tool is not centered in the tabbed toolbar
GVH-9918	Legend label wraps in the Layer List
GVH-10025	Feature results remain in results list after feature's uploaded layer is removed
GVH-10059	Upload Data dialog styling
GVH-10091	Make infrastructure.taskUtils.getQueryTaskUrl method backwards-compatible for GVH 2.5
GVH-10112	The Offline Maps UI is inconsistent with the rest of the viewer
GVH-10223	Unable to open Scale Input Box using keyboard controls in IE11 and Firefox
GVH-10272	IE 10 and 11 don't trust URLs that are on the whitelist
GVH-10318	The GetLayerInfoByProperty does not work for table layers
GVH-10350	If user edits/deletes a feature more than once, the Saved Result view does not update properly
GVH-10354	If a URL is added to the viewerConfig object in the Index.html file, the splash screen will not appear
GVH-10380	Upgrading to GVH 2.6 breaks Insight client relay
GVH-10390	Letters are chopped from search text when using Instant Search if the search string contains both letters and numbers
GVH-10401	The Map's WKID is appended to "Map's Current" option in spatial reference dropdown every time Table Mapping Details dialogue is displayed
GVH-10408	When the chart view closes, highlights remain visible
GVH-10457	Hyperlinks built with replacement tokens do not work if content contains curly braces
GVH-10473	Cannot hide labels on the y-axis of a scatterplot chart

GVH-10487	The input "{{context}}" reported as Invalid JSON by management pack
GVH--10494	Map tip menu items should be left-justified rather than right-justified
GVH-10500	In the Saved Results view, a long name overlaps with the view's edit and delete buttons
GVH-10505	If the combine mode is set to subtract or intersect in the selectFeatures workflow, the collection name is not populated
GVH-10529	The "Zoom Upon Geolocation" checkbox does not remain unchecked
GVH-10538	The offline page title displays incorrectly in management pack
GVH-10562	Clicking a related record from Table Layer navigates to an incorrect layer
GVH-10569	The Workflow combobox does not set the selected value
GVH-10574	Incorrect word order in warning message when tool cannot execute a command
GVH-10576	Global searches for a text string containing a number return incomplete results
GVH-10614	Query builder in iOS displays blank fields when loaded in Airplane Mode
GVH-10624	Map context menu does not appear when no coordinate system is configured and "Show coordinates" is enabled
GVH-10644	In SDK Samples, the custom search provider returns a language key rather than the related value
GVH-10660	Layer List doesn't honor order of layers added through the layer catalog
GVH-10675	8-Digit Numbers entered into the Filter tool are converted into dates
GVH-10688	In IE 11 clicking exactly in the check box does not change its state
GVH-10690	User is able to open Create Feature tool even when using basic license offline
GVH-10701	Mixed content error when uploading FGDB to ArcGIS Online
GVH-10711	Cannot upload data to AGOL when signed in to Enterprise account as User
GVH-10745	Upload FGDB/ShapeZip data not exporting in opened project
GVH-10762	Empty Layer Theme causes exceptions
GVH-10766	ExportResultsTo documentation appears within the 'null' section of the API Reference
GVH-10781	Additional info required for Unknown Error when upload data tool is used
GVH-10807	Layer excluded from layer list is visible after loading project
GVH-10832	Query Builder race condition when restoring projects
GVH-10883	Save project excludes attributes due to missing ContentPolicy instance
GVH-10903	Unable to manage or create attachments for AGOL hosted feature layer
GVH-10924	User Added Layer List Folder items' state should be maintained across theme changes
GVH-10960	"Download report" link not highlighted when report is run from the results list context menu
GVH-10981	Basemap Slider causes layer to disappear

2.6.1 Product Release

Released: 6-May-2016

Release Version Number	2.6.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.5.

The following section describes changes made from the 2.6 release to 2.6.1 release of the Geocortex Viewer for HTML5.

Important Information

- This release requires Geocortex Mobile App Framework version 2.0.1 for offline deployments.

- As of Google Chrome version 50 geolocation capabilities are only supported for applications on secure origins (HTTPS). See https://support.geocortex.com/EssentialsGSCForum?id=906600000000BdyAAE for more information.

Known Issues

- GVH-8134 Map clicks sometimes do not register in Chrome

Bug Fixes

The following issues were resolved in this release:

GVH-4335	Improve automatic positioning of the legend in multi-feature Charts
GVH-4500	No way to return to full list of create-able features
GVH-5525	Viewer command links in home panel cannot be made WCAG compliant
GVH-6955	Map tips won't show resolved coded value domain when one feature is selected
GVH-7106	Unable to show feature detail by clicking points on Chart in handheld
GVH-8368	Leaving the name field blank when renaming a collection of Saved Results does not fail properly
GVH-8490	Uploaded KML File only displays one visible marker
GVH-8545	Honor Time Zone Offsets in Reports
GVH-8614	Menu system doesn't respect defaultIconUri
GVH-8741	Overwriting the saved refine results causes some features to disappear from saved results
GVH-8747	Accessibility icon background does not respect banner background color
GVH-8751	Results view title is not indicating saved results after overwriting the saved results with same name.
GVH-9048	Proxy configured in workflow ComboBox form item is not respected by viewer
GVH-9067	Feature 'Applying edits...' view is stuck and saved results total doesn't match when manually add/remove new feature in viewer

GVH-9154	Charts and 3rd party maps selector only allows one item selected at a time
GVH-9195	Don't show offline maps as orphaned that are known to be inaccessible by security
GVH-9462	Long name string overlaps edit box in Offline Maps manager
GVH-9464	Offline Maps edit basemap UI panels overlap container
GVH-9599	TypeError thrown when a small set of results is combined with a larger set
GVH-9699	Viewer crashes when changing orientation during QR code scanning on iOS
GVH-9728	Very long saved result title not displayed correctly
GVH-9744	Visualization options remains in data region after completion
GVH-9783	Configured feature fill and border colors are not respected in saved projects
GVH-9822	Project List entry styling issues
GVH-9866	Attachments option appears in menu for layers that do not support attachments
GVH-9923	Switching to between Layer Theme with Basemap only present in first theme causes basemap to be deselected
GVH-9994	Data Link tab not showing when Relationship row clicked to navigate
GVH-10005	Uploaded layers visualization options do not function properly after loading project
GVH-10012	Visualization "Done" button should go back to the previous page instead of layer list
GVH-10074	Toolbar command parameter displays as [object Object]
GVH-10076	Alternate Context Menu address handling required for reverse geocoders that do not return "Match_addr" property
GVH-10078	"Attach a file or photo" option doesn't appear in action menu following a single click on a feature
GVH-10082	Mouse Coordinates toggle button should use language key rather than hardcoded English string
GVH-10094	Improve contrast of Upload Data colors
GVH-10112	Offline maps UI style inconsistencies
GVH-10114	Layers in a map service within two different layer list folders can affect each other's visibility
GVH-10118	Unable to create new features with QR Scan in Windows App
GVH-10119	GVH Bridge throws errors when enabling ChromeVox
GVH-10132	User-uploaded layers should be excluded from the query builder
GVH-10156	Uploaded Heatmap layer fails to load when opening a project from a URL
GVH-10158	Cannot save Plot Coordinate state if coordinate editing is active
GVH-10177	Linked Maps action buttons styling
GVH-10195	Support field formats that include the field's time zone offset from UTC
GVH-10199	Select Existing Feature option (QR Code scanner) doesn't return the list of selected features
GVH-10240	Base map and visualization legend are not respected by layer list visibility
GVH-10245	Offline Map becomes corrupt if sync fails when 'downloading site resources'
GVH-10253	View with view model MultiFeatureSelectorViewModel has no method 'setFeatureView'
GVH-10268	Map Context Menu - Long strings in "Address" field do not wrap
GVH-10272	IE 10 and 11 don't trust certain whitelisted URLs
GVH-10288	Access denied error message is not correctly displayed when a user attempts to sign in to a viewer they do not have permission to view
GVH-10291	Share project spacing issues

GVH-10318	Get Layer Info By Property workflow activity does not work if the layer is a Table
GVH-10320	Improve auto-zoom to offline map
GVH-10329	Cannot Sync to device for certain map services
GVH-10333	Token for secured services not refreshed when performing a sync
GVH-10350	Editing, deleting features on a map fails to update Saved Result if performed multiple times
GVH-10377	ListBox with single selection mode does not stay selected when bound to Visible When setting if used with cascading form items
GVH-10380	Insight client relay does not submit data
GVH-10385	Escaped HTML tags appearing in the layer list
GVH-10390	Letters are excluded from search text when using Instant Search if the search string contains both letters and numbers
GVH-10405	Map Widgets SDK sample doesn't work
GVH-10408	Chart tooltips and highlight issues on handheld
GVH-10421	Select Features and Display Result Picker Workflow activities do not use a table's feature description
GVH-10433	SDK SampleViewer build script does not succeed the first time it runs
GVH-10457	Hyperlinks built with replacement tokens do not work if the replaced content also contains curly braces
GVH-10491	File extension filter for upload data is case sensitive
GVH-10494	Inconsistent alignment of items in map tip action menu
GVH-10497	Support HTML "title" attribute on links in feature description
GVH-10505	Subtract and intersect combine modes don't populate collection name in Select Features workflow activity
GVH-10549	Title color resets to blue when upgrading to 2.6
GVH-10576	Letters are excluded from search text when using Layer Search if the search string contains both letters and numbers

2.6 Product Release

Released: 31-Mar-2016

Release Version Number	2.6

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.5.

The following section describes changes made from the 2.5.3 release to 2.6 release of the Geocortex Viewer for HTML5.

New Features

The following features were introduced in this release:

- API Updates
  - Version 3.16 of Esri's JavaScript API integrated
- Allow end users to save, share and load project files
- Allow end users to save, open and modify collections of features
- Allow end users to upload feature data
- Improvements and new additions to the SDK samples
- Provide a map scale input box
- Provide a map context menu at a location by right-click or long-press
- Initial support for Vector Tile Layers
- Improvements to charting
- Support for field value manipulation on date/time, numeric fields, and time zones
- Support for search tables in Global Search
- Enhancements to the Layer Search and Instant Search providers with support for standalone and related tables
- Reverse geocoding functionality in the Map Context Menu
- Customizable splash screen
- Improvements to markup measurement presentation
- Allow end users to save markup/drawings to Shapefile
- Provide a new print preview dialog
- New Global Menu in the I Want to Menu

Deprecation Notice

- Geocortex Viewer for HTML5 2.5 was the final version to support Internet Explorer 8; as of version 2.6, the Geocortex HTML5 Viewer requires Internet Explorer 9 or later. The latest version of Microsoft Edge, Google Chrome or Mozilla Firefox is recommended.

Known Issues

- GVH-8134 Map clicks sometimes do not register in Chrome

Bug Fixes

The following bug fixes were made:

GVH-9844	Layer definition not respected when exporting or printing for polygon
GVH-9842	Memory usage incrementally increases on reload in IE and Edge
GVH-9681	Error message not properly rendered in "Display Resutls Picker" when no features are selected
GVH-9249	High memory usage for large site in IE 11 and Edge
GVH-9187	Barcode scanner broken on GMAF Android with Chrome 47 installed
GVH-8910	If the data frame contains an active view, users should not be able to focus on the placeholder view
GVH-8908	Add title attribute to the delete button in the Query or Filter Builder UI
GVH-8906	Make sure all HTML elements have unique ids, if they are needed at all
GVH-8904	Ensure text in the accessibility information modal dialog is a language string that can be translated
GVH-8902	Advertise language of the page
GVH-8900	Some elements don't have adequate contrast
GVH-8898	Update menu systems so that bold text are now headings
GVH-8896	Add alt tags to layer list icons
GVH-8813	Show map tip setting in management pack not respected by pushpin
GVH-8644	Field types for catalog items are not respected
GVH-8556	Report command aliases unimplemented
GVH-8554	Report commands not hyperlinkable
GVH-8548	GVH 2.5 QuickStart guide contains old Defaults.json.js configuration file
GVH-8533	Query or Filter builder support for user added layers
GVH-8370	LayerName token does not resolve in feature description commands
GVH-8355	Map Tip callout generates a null type error when the selected feature has null geometry
GVH-8288	Measurement segment labels always display when a circle is printed or exported
GVH-8243	Closing a map tip twice removes pushpin from the map
GVH-8225	Snapping measurement line inaccurate
GVH-8149	First letter in text area on a workflow form is not displayed
GVH-8130	Default selected layers for measurement snapping not honoured
GVH-8121	Issue with User Defined Layers
GVH-8065	Callout-style maptips don't respond to inline table width formatting
GVH-7984	Unable to find dynamic catalog layer by GetMapServiceInfo workflow activity
GVH-7982	Some legend swatches don't show on initial load
GVH-7945	Datepicker in workflow form not presented in the right locale on iPads
GVH-7846	Screen reader skips from modal dialog text to map extent text
GVH-7840	All links within user guides need updating to the new Communities site

GVH-7812	Workflow button hover state contrast not high enough
GVH-7808	Information text for zoom in or zoom out selection functions should not include rotation and vertex info
GVH-7793	Proper labels for print title or text attributes
GVH-7713	Zooming or dragging pointer on chart configured to zoom does nothing
GVH-7518	Raster identify with multiple raster layers returns no results if any layer has NoData value
GVH-7413	Layer visibility affecting callout map tip location
GVH-7379	Query or Filter builder should not exclude layers that are not in the layer list.
GVH-7330	Event ComponentViewpointUpdatedEvent in IntegrationModule is susceptible to null reference exceptions
GVH-7279	Case in shortened URL can cause export issues CSV Excel or Shapefile
GVH-7146	Related Features/Data Links in feature details expanded view do not have pagination controls
GVH-7011	Display Capture Geometry dialogue hidden behind workflow panel
GVH-6984	Combo box backed with date objects shows UNIX timestamp instead of properly formatted date
GVH-6835	Bar chart series are sorted incorrectly
GVH-6536	Set a datalink as the default tab in table view not working
GVH-6485	SSL not being applied to legend URL requests to a WMS service, causing a mixed content warning in the viewer
GVH-6404	No way to display workflow results from specific workflows in the results table
GVH-6215	Tools in toolbar offset horizontally by toolbar tabs in Firefox
GVH-6180	English strings present in translated GVH management pack
GVH-6032	Improve MapTextProvider performance
GVH-6001	Some fields from SQL-backed non-SEP service round decimal point-containing fields
GVH-5982	Feature hyperlinks appearing at bottom of feature details when layer Invalid or Broken set to "Show Disabled"
GVH-5932	Dialog box renders momentarily in a random location before being shown center screen
GVH-5598	Error exporting data with large numbers to SHP, XLSX, or CSV
GVH-5431	Global Search does not return formatted values in dataframe
GVH-4860	Export to CSV/XLSX/SHP should respect configuration made on the fields tab
GVH-4673	Get Map Service Info workflow activity does not return ID when used on a table
GVH-4538	Query or Filter builder support for dynamic layers
GVH-4367	Filter builder does not respect spatial filter field
GVH-4351	Activating charting highlights makes feature highlight color opaque instead of transparent
GVH-4195	Submitting workflow form with textbox in Firefox prompts you to save the password
GVH-3932	Allow Administrator to configure short launch links without editing the Index.html

2.5.3 Product Release

Released: 24-Dec-2015

Release Version Number	2.5.3

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.5.2 release to 2.5.3 release of the Geocortex Viewer for HTML5.

The Geocortex Mobile App Framework 1.3.2 follows any proxy settings set in the Geocortex HTML5 Viewer proxy.config file.

The Geocortex Perspective 1.0 is designed to work with GVH 2.5.3 or later.

Upgrading Offline Viewers: In versions of the HTML5 Viewer prior to 2.5, there was a required manual step for upgrading viewers that were used offline in disconnected environments. This step had you update the CacheManifestConfig.xml file, located in Resources/Config/Default inside of the virtual directory of your viewer(s).

As of version 2.5, the cache manifest no longer exists and all content contained within the hosted viewer folder (typically in `C:\inetpub\wwwroot\Html5Viewer`) or within the virtual directory folder of the HTML5 Viewer on the Essentials server will automatically be provisioned for offline. If a viewer you are upgrading has files located in locations other than those two folders (or their subdirectories), you should move them here. See the "Upgrade the HTML5 Viewer to Version 2.5 or Newer – Offline" section in the *Geocortex Essentials 4.4 Installation Guide* under section 7.3.1: *Versions that Require Additional Steps*.

Note: For sites using Geocortex Essentials 4.3 and newer, the standalone Geocortex API for JavaScript now initializes layer visibility in a way that ensures the map looks exactly the same as in Geocortex Essentials Manager and the Geocortex Viewer for HTML5. In prior versions of Essentials (4.2 and below), the configurable layer list is not factored into the visibility of map services when using the API.

Bug Fixes

The following bug fixes were made:

GVH-8249	Request method error (501) returned from WMTS service
GVH-8119	3rdParty.css button definition is misapplied to all buttons in third-party viewer
GVH-8117	Export to CSV, XLS or SHP does not always complete and does not throw an error
GVH-7306	Integration module registers multiple instances of the same command
GVH-7283	MarkerDragEndEvent moves the marker to an invalid position
GVH-7267	MarkerDragEvent returns the wrong mapPoint
GVH-7256	Dragging a third party marker throws exception if released off-screen

2.5.2 Product Release

Released: 4-Nov-2015

Release Version Number	2.5.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.5.1 release to 2.5.2 release of the Geocortex Viewer for HTML5.

The Geocortex Mobile App Framework 1.3.2 follows any proxy settings set in the Geocortex HTML5 Viewer proxy.config file.

Upgrading Offline Viewers: In versions of the HTML5 Viewer prior to 2.5, there was a required manual step for upgrading viewers that were used offline in disconnected environments. This step had you update the CacheManifestConfig.xml file, located in Resources/Config/Default inside of the virtual directory of your viewer(s).

As of version 2.5, the cache manifest no longer exists and all content contained within the hosted viewer folder (typically in `C:\inetpub\wwwroot\Html5Viewer`) or within the virtual directory folder of the HTML5 Viewer on the Essentials server will automatically be provisioned for offline. If a viewer you are upgrading has files located in locations other than those two folders (or their subdirectories), you should move them here. See the "Upgrade the HTML5 Viewer to Version 2.5 or Newer – Offline" section in the *Geocortex Essentials 4.4 Installation Guide* under section 7.3.1: *Versions that Require Additional Steps.*

Note: For sites using Geocortex Essentials 4.3 and newer, the standalone Geocortex API for JavaScript now initializes layer visibility in a way that ensures the map looks exactly the same as in Geocortex Essentials Manager and the Geocortex Viewer for HTML5. In prior versions of Essentials (4.2 and below), the configurable layer list is not factored into the visibility of map services when using the API.

Bug Fixes

The following bug fixes were made:

GVH-7919	Layer list configuration is changed after catalog layers are added to the map
GVH-7820	Excessive and duplicated snapping queries on viewer startup
GVH-7747	Coded domains sometimes do not resolve when the attribute value is 0
GVH-7720	Feature attributes with a value of 0 show "N/A" instead
GVH-7600	Snapping dynamic layers needs to respect layer definition
GVH-7556	Identify returns incorrect result for numeral coded value domains
GVH-7503	Basemap export requests made when offline if basemap is dynamic
GVH-7336	Layer Selector does not get new layers when they are added to a map service
GVH-7304	BaseUrl property is not used for all necessary resources

GVH-7226	Report visibility setting is not respected in HTML5 Viewer
GVH-7224	Create a 'ShowFirstFeatureFromCollection' Command
GVH-7221	Failure to initialize site for base maps slider in iOS
GVH-7158	Can't access parts of GVH Management pack if you have removed the offline module in configuration json
GVH-7150	Layer List is cleared after a new catalog layer is added from the client.
GVH-7109	Cascading Combobox value cannot be selected if there is only one value or if none is selected
GVH-7040	Non-visible layers appear in print
GVH-6975	"Add Bookmark" dialogue and text markup duplicates first letter of typed in field
GVH-6690	Workflow to populate layers in a list box does not function
GVH-6020	Feature zoom animation is out-of-sync with base map
GVH-6002	Error displayed when printing a particular WMS service
GVH-5598	Error exporting data with large numbers to shp, xlsx, or csv

2.5.1 Product Release

Release Version Number	2.5.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.5 release to 2.5.1 release of the Geocortex Viewer for HTML5.

Upgrading Offline Viewers: In versions of the HTML5 Viewer prior to 2.5, there was a required manual step for upgrading viewers that were used offline in disconnected environments. This step had you update the CacheManifestConfig.xml file, located in Resources/Config/Default inside of the virtual directory of your viewer(s).

As of version 2.5, the cache manifest no longer exists and all content contained within the hosted viewer folder (typically in `C:\inetpub\wwwroot\Html5Viewer`) or within the virtual directory folder of the HTML5 Viewer on the Essentials server will automatically be provisioned for offline. If a viewer you are upgrading has files located in locations other than those two folders (or their subdirectories), you should move them here. See the "Upgrade the HTML5 Viewer to Version 2.5 or Newer – Offline" section in the *Geocortex Essentials 4.4 Installation Guide* under section 7.3.1: *Versions that Require Additional Steps*.

Note: For sites using Geocortex Essentials 4.3 and newer, the standalone Geocortex API for JavaScript now initializes layer visibility in a way that ensures the map looks exactly the same as in Geocortex Essentials Manager and the Geocortex Viewer for HTML5. In prior versions of Essentials (4.2 and below), the configurable layer list is not factored into the visibility of map services when using the API.

Bug Fixes

The Geocortex Viewer for HTML5 version 2.5.1, along with Geocortex Essentials 4.4.2, contains an important security upgrade which resolves an issue where the viewer may expose REST security tokens when using secured sites with external, non-secure services. We suggest that all users of Geocortex Essentials and the Geocortex Viewer for HTML5 who have secured sites with external services upgrade to HTML5 Viewer 2.5.1 and Essentials 4.4.2.

The following bug fixes were made:

GVH-6286	Layer not queryable following upgrade to Essentials 4.4 / Viewer for HTML5 2.5
GVH-6174	Global Search Fails With Essentials Site Security

2.5 Product Release

Release Version Number	2.5

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.4.2 release to 2.5 release of the Geocortex Viewer for HTML5.

Upgrading Offline Viewers: In versions of the HTML5 Viewer prior to 2.5, there was a required manual step for upgrading viewers that were used offline in disconnected environments. This step had you update the CacheManifestConfig.xml file, located in Resources/Config/Default inside of the virtual directory of your viewer(s).

As of version 2.5, the cache manifest no longer exists and all content contained within the hosted viewer folder (typically in `C:\inetpub\wwwroot\Html5Viewer`) or within the virtual directory folder of the HTML5 Viewer on the Essentials server will automatically be provisioned for offline. If a viewer you are upgrading has files located in locations other than those two folders (or their subdirectories), you should move them here. See the "Upgrade the HTML5 Viewer to Version 2.5 or Newer – Offline" section in the *Geocortex Essentials 4.4 Installation Guide* under section 7.3.1: *Versions that Require Additional Steps*.

Note: For sites using Geocortex Essentials 4.3 and newer, the standalone Geocortex API for JavaScript now initializes layer visibility in a way that ensures the map looks exactly the same as in Geocortex Essentials Manager and the Geocortex Viewer for HTML5. In prior versions of Essentials (4.2 and below), the configurable layer list is not factored into the visibility of map services when using the API.

New Features

The following features were introduced in this release:

- API Updates
  - Version 2.11 of the Essentials API for JavaScript included
  - Version 3.14 of Esri's JavaScript API integrated
- Buffer support for tools and features, with configurable buffer distance and units
- Allow end users to select identifiable layers
- Visualization of point-based features with heatmaps, including weight by field
- Visualization of point-based features with interactive clustering
  - Clusters can be identified and "explode" to reveal contributing points when clicked
- Search, query and identify on WMS layers that have an associated WFS service
- Improved loading and performance (perceived and actual)
- More accessibility improvements, including indicating to screen readers when views show and hide in the interface. A new accessibility icon and description is also included in the banner.
- Improved geolocation accuracy algorithm with configurable thresholds

- Report selection interface for running reports on features in the results list or result table
- Client-side handling of coded value domains, eliminating the need to use the Services Enhancement Proxy
- Basemap groups allow users to toggle the visibility of multiple basemap services at once by choosing a single conceptual basemap
- Fully pre-configured toolbar with context-sensitive tools and stateful toggle buttons
- New stateful "Toggle Button" toolbar item allows buttons that can be in "on" or "off" state with associated commands that execute when transitioning state
- New context-sensitive toolbars can be configured to show when certain tools are activated. For example, display buffer and select layer options when identify tool is activated
- Allow the user to create a feature on a feature layer from geolocation/GPS
- Full support for identify on raster layers and image services
- Configurable option to hide the legend for invisible or out-of-scale layers in the Layer List
- Panel sizes (such as the Data Region and Results Region) are configurable with percentage values
- Enable snapping behavior on all shape tools, with support for snapping to vertices and edges of existing geometries
- Support for multi-line geocoders in Global Search
- Support for secured geocode and geometry services
- Use geometry and geocode services configured in the site, not the viewer\
- APIs that can be used to undo and redo actions on the map (such as edits and drawings)
- APIs that can be used to perform cuts and unions of editable geometries
- Improvements and new additions to the SDK samples

Deprecation Notice

- Geocortex Viewer for HTML5 2.5 is the final version to support Internet Explorer 8 as a desktop browser; as of version 2.6, the HTML5 Viewer will require at least Internet Explorer 9. The latest version of Microsoft Edge, Google Chrome or Mozilla Firefox is recommended.
- The option to configure a geometry service within the viewer is deprecated in version 2.5 and this configuration option may cease to be supported in future versions. We recommend that you configure your geometry service in the site instead.

Known Issues

GVH-4769   *Fixed:* Mouse coordinates widget does not support maps with a WKT spatial reference.

In 2.4, the mouse coordinates widget did not support maps that had a spatial reference system that was defined by a Well-Known Text (WKT). As of 2.5, the mouse coordinates widget will work with maps that use a WKT spatial reference.

GVH-7012   Cannot Create Polygon/Line features in WebView for Android 33.0 or lower in Handheld Shell.

Usually, double-tapping the screen completes the drawing of a new feature. In mobile versions of Chrome that are 33.0 or lower, however, the tapping results in a map identify, which closes the feature editing before your changes can be preserved. This issue is resolved in the new Android System WebView app, which is currently available in the Play Store for Android 5.0 and up.

GVH-7073   Memory leak in browser process when Heat Maps are enabled and their display is toggled on or off

Some browsers may experience a memory leak when the tab or window containing the viewer is refreshed if:

- Heat Maps are enabled in the site and
- their display is toggled on or off (i.e., heat maps that are enabled by default and whose visibility is not toggled do not appear to exhibit a leak)

In some cases, the tab or window's process will continue to consume additional memory on each browser refresh until no more memory is available, at which point, the viewer will no longer load successfully. Also, having the browser's developer tools open may increase the rate at which memory is consumed. Closing the tab or window will free up this memory and will allow the viewer to load successfully in a new window or tab.

Bug Fixes

The following bug fixes were made since the release of Geocortex Viewer for HTML5 2.4.2:

GVH-6819   Configurable option to limit concurrent search operations to only one

GVH-6809   Default visibility not honored for a basemap if the basemap is in a folder and the folder is not visible by default

GVH-6802   Layer Definition for Layer ID 0 not included in export / print / report requests

GVH-6795   Offline bundles cannot be generated when site includes any services without url parameters in their connection strings.

GVH-6625   Cannot select first item displayed in ListBox without selecting another first

GVH-6593   Support token-secured geocode / geometry services

GVH-6585   Replacement token in Long Description Format parameter of SelectFeatures activity fails in GVH

GVH-6580   GetLayerInfoByProperty returns wrong URL for Feature Layers

GVH-6577   Feature labels with HTML markup don't work in map tip drop-down or feature details header

GVH-6561   Double field values are truncated when applying edits

GVH-6556   Listbox renders as dropdown for single select without configured size

GVH-6537   All datalinks fail to resolve if one datalink has undefined parameters

GVH-6534   Setting min/maxScale within the MapView module in the handheld configuration causes map to "blank out" when threshold is met

GVH-6509   Geocoder results do not appear list view, but appear in table view

GVH-6499   Modify behavior of 'edit' tool so that it is only enabled when there are drawings or markup on the map

GVH-6493   Results from Workflow do not display dates in correct locale

GVH-6479   Feature Details on Related Table record break when related table has attachments

GVH-6471   Layer swatches for polygon features only shows the outline for feature layers

GVH-6463   Allow bottom region height to be configured in the Management Pack

GVH-6456   Multiple clicks required to type within the map title field in the Print window

GVH-6455   Toggling visibility of feature layer in subfolder does not generate any requests to ArcGIS Server

GVH-6437   Mouse coordinates displayed aren't valid/correct for some projections

GVH-6435   ShareOn email command fails to function in iOS Safari

GVH-6421   Data links aren't clickable in Feature Details Compact View

GVH-6387   Second autocomplete will not fire unless first autocomplete has already fired in IE

GVH-6381   Instant search results do not show up until results are populated by at least one non-instant search result.

GVH-6371   Horizontal item configuration for groups needs improved styling

GVH-6283   Workflow form line breaks and markup not rendered in GVH

GVH-6263   Optimizer relay throws error when layer's ID not sequential due to security / layer mask

GVH-6243   Export map doesn't honor layer definitions that have been applied to layers with IDs of 0

GVH-6139   Add Close button to the Results List View

GVH-6122   Layers cannot be made visible if the parent folder is set to not be visible at start-up

GVH-6053   Long text in auto-complete list is cropped in Query and Filter tool

GVH-6005   HighlightEsriFeatureSet and HighlightFeatureSet do not handle empty feature sets

GVH-5978   Allow selection of an item in a ListBox from a workflow with double click

GVH-5966   Resolve coded domain values on relationship class

GVH-5951   Make all panel sizes configurable as % values

GVH-5856   Chart series displayed in creation order, regardless of ordering in Manager.

GVH-5853   Toolbar tooltips no longer display when hovered in any shell

GVH-5794   Find me and "Track Me"/"Follow Me" produce different geolocation results; toggling between two modes toggles you between those reported positions

GVH-5622   Offline: cannot delete an unsynced edit if a subsequent edit exists

GVH-5405   Identify does not work with referenced sites

GVH-5046   Related features' coded domain values do not resolve

GVH-4769   Mouse coordinates does not work with a map in a WKT

GVH-3272   Allow administrator to manage HTML5 Viewer without Internet connection

GVH-2536   Improve 'one-time' geolocation accuracy

2.4.2 Product Release

Released: 29-Jun-2015

Release Version Number	2.4.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.4.1 release to 2.4.2 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

New Features

This is a specialized maintenance release that contains a **beta** version of the Geocortex Insight *client relay* feature to support the Geocortex Insight 1.0 Beta.

Bug Fixes

There are no new bug fixes in the 2.4.2 viewer that were not part of the 2.4.1 release. Note that all of the fixes provided in 2.4.1 are also included in 2.4.2, including the security upgrade (identified as issue *GVH-6286* in the 2.4.1 *Bug Fixes* section).

2.4.1 Product Release

Released: 19-Jun-2015

Release Version Number	2.4.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.4.0 release to 2.4.1 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

Bug Fixes

The Geocortex Viewer for HTML5 version 2.4.1 contains an important security upgrade related to a recently discovered vulnerability in the viewer (listed as GVH-6286 *below). This vulnerability potentially allows attackers to create malicious URLs in order to fool users into executing untrusted code by clicking on these malicious links. We suggest that all 2.4 users upgrade to 2.4.1.*

For users on viewer versions including and prior to 2.4, we have provided patches and instructions in the Downloads section of the Geocortex Support Center. The patch can easily be applied to all versions of the viewer.

The following bug fixes were made:

GVH-6286   XSS vulnerability in LogView allows for injection via the locale URL parameter.

GVH-6174   Toolbar sticky tools are deactivated when RunWorkflowById executes.

GVH-6163   Sharing link does not accept providers from other libraries.

GVH-6157   TextBox label always occupies 30% of available width, even when empty.

GVH-6150   Only six list items are visible at once in workflow <select> areas, regardless of configuration.

GVH-6137   GetSelectedFeatures functionality broken when there is an empty FeatureSet in the FeatureSetCollection.

GVH-6129   Labels on swapped axes overlap when there are too many labels to display.

GVH-6127   ExportTo functionality broken when there is an empty FeatureSet in the FeatureSetCollection.

GVH-6119   Mapping.js throws errors in IE8 when any key is pressed.

GVH-6117   Automatic scaling of y-axis fails for charts with all negative values.

GVH-6080   Don't refresh a selected tab in the results table if a user clicks on it again.

GVH-6069   Tab behavior in modal dialogues is unrelated to settings in accessibility module.

GVH-6064   isAndroid3plus does not catch Android 5 and above user-agents (Android Only).

GVH-6062   Default visibility not honored when changing layer themes and using "Only One Visible at a time" setting.

GVH-6061   Error initializing 'Integration' module.

GVH-6052   Unable to use form file picker on iPad.

GVH-6035   Strings in configuration resolved against incorrect locale file.

GVH-6022   DisplayCaptureGeometry activity doesn't work on mobile devices (Android Only).

GVH-6011   WCAG tab-stop behavior negatively impacts standard forms behavior.

GVH-5983   Chart with axes swapped renders incorrectly.

GVH-5961   Missing command metadata is preventing hyperlink commands from running.

GVH-5959   Edited or deleted features don't update map tips and pushpins.

GVH-5952   Compact feature details view has too much whitespace.

GVH-5950   Can't zoom map with mouse wheel after upgrade to 2.4.

GVH-5944   Charts are re-drawn multiple times unnecessarily.

GVH-5943   Share button missing in compact toolbar management pack.

GVH-5931   Data Links don't open and formatting is incorrect.

GVH-5923   Layer list and layer list legend swatch styling completely broken for certain layers.

GVH-5922   Non-default basemap fails to print.

GVH-5920   Child layer settings not honoured in layer list if no layer themes exist.

GVH-5917   Cannot get feature details for features selected from workflow that have no associated layer.

GVH-5915   Charts disappear when charting view is collapsed, then expanded.

GVH-5908   An error warning that changes were not saved but edits are applied when editing features.

GVH-5907   Feature details' back arrow skips features.

GVH-5904   Related record date label not formatted correctly.

GVH-5903   Edited or deleted feature will not reflect in the results list or table unless feature details is active.

GVH-5902   Modify the Legend collections to use throttling.

GVH-5900   Cannot resize Integration Module when header is disabled.

GVH-5899   Feature editor can load features with stale data.

GVH-5894   Results table tab scroll buttons always appear, even when tabs don't overflow screen width.

GVH-5892   Basemap switcher not populated if you don't have a layer list.

GVH-5882   Dates formatted incorrectly after editing the related feature.

GVH-5878   Cannot collapse tool group in Essentials Manager.

GVH-5872   Minor issues in Feature Details Compact view styling.

GVH-5870   Related spatial feature created while online can't be deleted in offline mode.

GVH-5868   Related features shouldn't query layer for each individual feature listed.

GVH-5842   MapClickedEvent never fires after any fly-out opened once.

GVH-5660   Switching from Results List to Table, and vice versa, takes a long time.

GVH-5658	Previous charts which were closed reappear when new chart is drawn.
GVH-5633	Viewer initialization fails if site contains a secured AGOL layer and Essentials is not secured by AGOL.
GVH-5581	Initial chart size in Feature Details should be reduced.
GVH-5574	Opening 3rd-Party Maps in new window causes loading and syncing issues in IE browsers.
GVH-5566	Focus moves to map when zooming in or out via keyboard (WCAG).
GVH-5505	Cannot run workflows from Manager viewer previews.
GVH-5501	Having two series with identical names causes chart not to appear.
GVH-5401	Rotating Device while in charting view decreases size of graph.
GVH-5306	Changes made in the Edit menu does not update in Feature.
GVH-4657	iOS date picker sets time to midnight UTC by default and then converts to local date.
GVH-4102	Images linked within the Feature Description do not open in a new tab.
GVH-3541	Syncing offline attachments fails on token-secured services.
GVH-1044	useThrottling on ObservableCollection can fail if the collection is cleared before the throttling is finished.
GVH-388	Remove Invariant.json from distribution.

2.4 Product Release

Released: 24-Apr-2015

Release Version Number	2.4

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Custom development done against this version of the product in TypeScript requires TypeScript 1.4.

The following section describes changes made from the 2.3.3 release to 2.4 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

Note: For sites using Geocortex Essentials 4.3 and newer, the standalone Geocortex API for JavaScript now initializes layer visibility in a way that ensures the map looks exactly the same as in Geocortex Essentials Manager and the Geocortex Viewer for HTML5. In prior versions of Essentials (4.2 and below), the configurable layer list is not factored into the visibility of map services when using the API.

New Features

The following features were introduced in this release:

- API Updates
  - Version 2.10 of the Essentials API for JavaScript included
  - Version 3.13 of Esri's JavaScript API integrated

- Overview Map Widget
- Coordinates & Mouse Position Widget
- Base Map Switcher Widget
- Base Map Slider Widget
- Drill-Down Map Tips
- 3rd Party Map Container Component
- New "Small" Shell
- WCAG Compliance
- Support for KML Layers
- New Compact Toolbar
- Configurable Search Suggestions
- Configurable Copyright Messages
- Generate a "Sharing Link" for Social Media
- Compatibility with ArcGIS 10.3 for Server

- …and more.

Known Issues

GVH-4769   Mouse coordinates widget does not support maps with a WKT spatial reference.

The mouse coordinates widget does not support maps that have a spatial reference system that is defined by a Well-Known Text (WKT). If your map has a spatial reference defined by a WKT, the widget will not appear in the viewer. The widget will work if you specify an Alternate Coordinate System on the Map Widgets page in the Viewer section of Essentials Manager.

Bug Fixes

Note that the fix contained in the Security Update from March 26, 2015 (listed as GVH-5601 *below) is included in Geocortex Viewer for HTML5 2.4.*

The following bug fixes were made since the release of Geocortex Viewer for HTML5 2.3.3:

GVH-5700   Global search does not display pushpins intermittently due to TypeError.

GVH-5601   Viewer will load configuration via CORS, leading to XSS vulnerability.

GVH-5495   Home Panel takes a few seconds to show after the site has loaded.

GVH-5471   Feature attributes are randomly lost after identify operations.

GVH-5469   ModalWindowNoCloseButton workflow container doesn't have "allowClose" set to false by default.

GVH-5462   Display Results Picker workflow activity does not work with numeric attributes.

GVH-5413   Making a layer visible does not work if a layer theme is active.

GVH-5408   Features returned from query builder do not have datalinks attached.

GVH-5394   Map tips and identify tools intermittently return "null" results.

GVH-5376   Transparency Slider does not appear for map service with only top-level group layers.

GVH-5349   Spatial reference not specified when querying for attributes for features found with Instant Search.

GVH-5314   Feature layer URL attributes are not clickable in table view.

GVH-5247   Text field with Name that matches default text does not work.

GVH-5242   Unable to query features by date if the date is before 1-1-1970.

GVH-5193   Missing User module causes styling and interface issues in the viewer.

GVH-5190   Startup workflow to enable a tool by default does not highlight icon in toolbar.

GVH-5152   Proxy page is not used when querying related records.

GVH-5150   Related records not returned when feature layer secured in Essentials.

GVH-5129   Unable to run viewer commands from the feature details.

GVH-5126   Switching the base map using the base-map switcher toggles the basemap folder visibility.

GVH-5100   Coded value domains resolve to the wrong value for feature services.

GVH-5075   Quickstart index.html file doesn't show feature details view.

GVH-5069   ClearSelection missing from available commands in the HTML5 Viewer.

GVH-5001   Invoking a tool from the simple toolbar in handheld doesn't toggle toolbar off.

GVH-4946   No horizontal scrollbars in the Results Table.

GVH-4810   Global search returns "0" results if the last character of the token is a number.

GVH-4802   Query tool should only display layers that belong to current theme.

GVH-4766   String parsing error on String.Format with a string which contains a brace character '{' or '}'.

GVH-4754   Cardinality of relationships not respected for related features.

GVH-4753   Global search fails on HTML5 Viewer if Service Enhancement Proxy is enabled.

GVH-4739   Axis title remains visible when Series Axis configured to not be visible.

GVH-4725   Service set to not visible occasionally appears while viewer loading.

GVH-4725   Service set to not visible occasionally appears while viewer loading.

GVH-4689   Viewer throws error on Active Directory-secured map services and fails to load available services.

GVH-4687   Data frame is sometimes not full width when opened while map services are loading.

GVH-4672   When creating a new feature, date picker shows today's date if the default value is null.

GVH-4660   Basemaps do not show up in the Legend when set to not visible in Manager.

GVH-4652   Fields won't display in feature detail view, but do in query tool.

GVH-4564   Layer list legend requests fail for ArcGIS Image Services.

GVH-4490   Scroll bar missing from layer theme list dropdown.

GVH-4373   Loading a saved site in the Geocortex App fails when in Airplane Mode.

GVH-4097   Scale ranges and changes to symbology for ArcGIS Online web map layers are not respected in the viewer.

GVH-4094   Legend swatches from a WMS service constrained to uniform size, resulting in poorly-rendered images.

GVH-4029   Date fields are auto-populated when editing a feature.

GVH-3681   Toolbar button that executes a 'RunWorkflowWithArguments' command appears disabled.

GVH-3516   Ending a line segment in HTML5 on a touch device results in an extra point (Esri JavaScript API 3.8).

GVH-3364   Add scrollbars to "I want to..." menu

GVH-654   Add/Edit features does not respect the configured output fields (regressed since HTML5 Viewer 1.3).

In addition to the issues listed prior, the issues below were identified during the pre-release and beta release of Geocortex Viewer for HTML5 2.4 and subsequently fixed for the release. We at Latitude Geographics would like to thank our customers and partners for their invaluable participation.

GVH-5794	Find me and "Track Me"/"Follow Me" produce different geolocation results; toggling between two modes toggles you between those reported positions.
GVH-5670	canExecute for RunWorkflowById fails on upgraded Site with HTML5 Viewer.
GVH-5669	Overview map disappears when opened if spatial reference differs from basemap.
GVH-5667	"I want to…" Edit Menu item dialog missing 'X' in top right corner.
GVH-5666	Map widgets dialog has no title.
GVH-5664	Viewer log contains warnings: "'...view' for menu '...' is being attached to something other than a MenuViewModel".
GVH-5657	Decimal point displayed for floats and doubles in HTML5 Viewer instead of comma in Dutch locale.
GVH-5650	Export/Chart menu on the results list doesn't collapse after selecting an option.
GVH-5649	Sharing a map via email excludes the basemap.
GVH-5634	Viewer performance is slow when screen reader is enabled with slow map services.
GVH-5597	Datalinked URLs aren't available as hyperlinks in feature details table.
GVH-5584	Instant Search hints do not appear in the small shell.
GVH-5569	Hammer.js dependency does not work in Internet Explorer 8.
GVH-5567	Overview Map is not WCAG-compliant.
GVH-5550	No search hints provided for Instant Search on tablet shell.
GVH-5521	Toolbar's expand and collapse icons become invalid after clicking them in Manager.
GVH-5449	Closing Home panel on handheld leaves a large white space.
GVH-5442	Configured search suggestion text ("Items appear after you perform a valid search or other…") appears while search results view is being populated.
GVH-5343	visibleLayers parameter is not sent as part of the web map for printing, which results in no server requests for asynchronous print jobs.
GVH-4976	Measurement text does not look the same in viewer as when printed.

2.3.3 Product Release

Release Version Number	2.3.3

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

This version of the product is compatible with TypeScript 1.0 and we suggest TypeScript users still on previous versions upgrade to 1.0.

The following section describes changes made from the 2.3.2 release to 2.3.3 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

Bug Fixes

The following bug fixes were made:

GVH-4782	Group layers' sub layers that are excluded from the layer list in Essentials 4.1 (or lower) sites are visible in viewer's layer list.
GVH-4655	Cached features do not appear when loading site while in Airplane mode unless the viewer is synchronized multiple times.

2.3.2 Product Release

Release Version Number	2.3.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

This version of the product is compatible with TypeScript 1.0 and we suggest TypeScript users still on previous versions upgrade to 1.0.

The following section describes changes made from the 2.3.1 release to 2.3.2 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

Bug Fixes

The following bug fixes were made:

GVH-4470	SSL warning referencing http://localhost when launching viewer over HTTPS
GVH-4487	Viewer is slow to load due to high number of export requests to the map services
GVH-4612	Change to Site URI causes malformed redirect in Essentials
GVH-4618	Offline layer list response broken with secured site
GVH-4628	Date.Now not supported in IE8
GVH-4629	Cannot load site with WMTS basemap when WFS specified
GVH-4658	Data frame arrow does not function in IE8
GVH-4659	Basemap Switcher menu causes the viewer to "white out" when selected in IE 8
GVH-4661	Browser requests tokens constantly in IE8, Android 2.3 browser

Known Issues

GVH-4655	Cached features sometimes do not appear when loading site while in Airplane mode

If you are taking your features offline, you may need to sync a second time before the features will appear when launching the Geocortex Mobile App while offline. Please ensure you confirm that your features are cached by putting your device in Airplane mode and then launching the app via the "Launch in Geocortex App" link in Manager.

2.3.1 Product Release

Released: 24-Oct-2014

Release Version Number	2.3.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

This version of the product is compatible with TypeScript 1.0 and we suggest TypeScript users still on previous versions upgrade to 1.0.

The following section describes changes made from the 2.3 release to 2.3.1 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

Please note: 2.3.1 will be the last version of the HTML5 Viewer that supports iOS 6. All subsequent releases of the HTML5 Viewer will require iOS7+.

New Features

The following features were introduced in this release:

- API Updates
  - Version 3.11 of Esri's JavaScript API integrated

Bug Fixes

The following bug fixes were made:

GVH-2293	Problem with scale calculation affects layer list and identify
GVH-2823	Values from GDB relationship classes are not reflected in feature identify {replacement tokens} (in descriptions/hyperlinks)
GVH-3618	Remove field names from Search Hints in Instant Search Provider
GVH-3675	Can't load offline features if connection string contains extra slash
GVH-3707	Tapping head of push pin doesn't behave as intended on iOS Tablet
GVH-3814	Secured WMS service does not prompt for credentials in Chrome
GVH-3941	Object experiences addition translation while zooming after moving
GVH-3948	Map Tips commands not implemented
GVH-4030	Binding views with a single root element results in skipped binding
GVH-4154	Changing panes does not fire the essentials timeout reset

GVH-4159	Scale dependent visibility when printing maps is too precise
GVH-4298	Automatic geolocation map movements confuse drawing tools
GVH-4356	Long Title of "I want to..." menu pushes toolbar off screen in handheld shell
GVH-4358	GetSelectedFeatures throws null exception when the features are the result of a Geocode search
GVH-4363	Resources too large for offline error in Safari (iOS) and IE11 (Windows)
GVH-4378	dojo.connect is broken in iOS8
GVH-4389	Paging consistency between tablet and desktop shells
GVH-4390	Feature Details view fails with TypeError when the features are the result of a Geocode search
GVH-4398	IWTM and BasemapPicker items unselectable in IE8
GVH-4403	"This operation failed because of projection error" when using extent URL parameter
GVH-4407	Can't access tools on handheld when upgrading from GVH to 2.2+
GVH-4416	Support hidden items in the layer list
GVH-4459	Folders can appear toggled off when switching themes
GVH-4463	Editing feature fails on features found via InstantSearch
GVH-4474	Attempting to upload and attach file/photo leads to Internal Server Error
GVH-4480	Binding errors in LA County sample site
GVH-4481	Enabling multiple map tips cause event handlers to leak
GVH-4485	Viewer cannot find related record key when trying to create related spatial record
GVH-4487	Viewer is slow to load due to high number of export requests to the map services
GVH-4490	Scrollbar missing from long layer theme list
GVH-4497	Map scalebar z-order is incorrect
GVH-4498	On Android tablets, clicking the dataframe chevron doesn't expand the dataframe; invokes a map tip instead
GVH-4501	Basemap picker (and other buttons) don't receive click events when a map tip appears behind them
GVH-4504	"View Additional Details" on map tip no longer opens result panel in handheld
GVH-4505	Layer theme switcher needs styling on handheld
GVH-4542	SetLayerVisibility and GetLayerVisibility workflow activities are not working on group layers after upgrade to 2.3
GVH-4546	Management pack references version 3.7 of Esri's JSAPI
GVH-4548	Layer theme does not appear when invoked via URL parameter
JSAPI-143	Essentials Javascript API depends on Framework.UI

2.3 Product Release

Release Version Number	2.3

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

This version of the product is compatible with TypeScript 1.0 and we suggest TypeScript users still on previous versions upgrade to 1.0.

The following section describes changes made from the 2.2 release to 2.3 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

New Features

The following features were introduced in this release:

- API Updates
    - Version 2.9 of the Essentials API for JavaScript included
    - Version 3.10 of Esri's JavaScript API integrated

- Support for Charts
    - Administrators are able to define fields that will participate in graphs or charts, and enable the visualization of the resulting graphs. Charts can also be displayed for single features within the viewer's feature details view.

- Support for the new configurable layer list available in Geocortex Essentials
    - Support for the configurable layer list in Geocortex Essentials 4.2 that allows you to create arbitrary folder structures and groupings of layers form multiple different map services. Layer order in the layer list is independent from drawing order.

- Support for Essentials Layer Themes
    - Viewer users can now select layer themes configured in the Essentials site via the base map selector or layer list.

- Previous and Next Extent Tools and Commands

- Geolocation Enhancements: two new geolocation modes
    - **Tracking:** the user's position is continuously updated on the map but the screen does not follow the position.
    - **Following:** the screen continuously pans the map to center on the user as their position changes.

Bug Fixes

The following bug fixes were made:

GVH-2362	Scrollbar on layer list doesn't scroll all the way down in a long layer list.
GVH-2420	Forms don't respect the maximum width of a dialog or group
GVH-3804	Feature service visibility is not respected in the legend
GVH-3817	Can't zoom to points found with a geocoder
GVH-3879	Fetching legend gives an error on secure sites
GVH-3906	Geonames.org feeds should work in the HTML5 Viewer
GVH-3915	Unable to zoom to geometry with a Well-known text (WKT) spatial reference
GVH-3916	Toolbar does not appear automatically on site load after enabling "Open Toolbar by default"
GVH-3930	Tab titles are replaced with the Map Service ID/Layer ID numbers after multiple workflow runs
GVH-3934	Scale Bar covers the "I want to…" menu
GVH-3953	Autocomplete in a workflow doesn't suggest anything in the HTML5 Viewer; works in the Silverlight Viewer and Designer
GVH-3982	GetSelectedFeatures workflow activity fails when results are in Table View
GVH-3983	'Required' asterisk appears way out to the left of the field in desktop shell
GVH-4038	Unable to zoom to selected features in a secured site
GVH-4062	Non-visible print templates still appearing in print layout list selection
GVH-4075	Feature long description should show in Feature Details
GVH-4144	Alias is not respected when viewing related table information
GVH-4151	Map extent does not change when loaded with the home panel open
GVH-4208	TypeError when initializing site containing a single feature layer
GVH-4243	Can't zoom to initial extent on site with a Well-known text (WKT) spatial reference
GVH-4286	Global Search doesn't find anything on an Essentials-secured Feature Layer
GVH-4321	Cascading Multi-field combo boxes fail in the HTML5 Viewer

2.2.1 Product Release

Released: 3-Jul-2014

Release Version Number	2.2.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

This version of the product is compatible with TypeScript 1.0 and we suggest TypeScript users still on previous versions upgrade to 1.0.

The following section describes changes made from the 2.2 release to 2.2.1 release of the Geocortex Viewer for HTML5.

Important: If you are upgrading viewers that are used offline in disconnected environments, you must upgrade the CacheManifestConfig.xml file located in Resources/Config/Default inside of the virtual directory of your viewer(s). If you have not modified your CacheManifestConfig.xml, you may simply drop the new one over top of the existing file. If you have made manual changes to this file, you should copy your custom changes over into the newer CacheManifestConfig.xml. The new CacheManifestConfig.xml is located at the root of the release package.

Once you've upgraded an offline viewer's CacheManifestConfig.xml, you should regenerate the offline bundle for that particular viewer from within the Offline viewer configuration section.

Bug Fixes

The following bug fixes were made:

GVH-1843	Feature long description should show in feature details, like in the Silverlight Viewer
GVH-3365	JavaScript error when supplying "attributes" for map print output
GVH-3680	MapUtils.esriPolylinesEqual and MapUtils.esriPolygonEqual evaluate as true when two Polylines/Polygons of different sizes are passed in
GVH-3766	Add and Remove Bookmark buttons do not align with text in Firefox
GVH-3818	Domain fields don't respect required when set in custom module
GVH-3847	Arguments not parsed properly in RunWorkflowWithArguments
GVH-3880	Having % in the description of the Home panel returns an error when applying
GVH-3935	ZoomToFeature command will sometimes zoom to the centered extent for the feature's minimum visible scale
GVH-3937	Win1250 (Czech) character not correctly encoded in home panel
GVH-3977	Dataframe cuts off long text in autocomplete results
GVH-3978	includeInGlobalSearch=false not respected for geolocators
GVH-3981	FeatureLayerModuleSyncCompleted event is fired before features are saved
GVH-3995	Zoom to Feature doesn't fully zoom to feature
GVH-4036	Attributes with hyperlink labels have their value set to the label
GVH-4037	Dataframe contents have no background and show items behind them

2.2 Product Release

Released: 30-Apr-2014

Release Version Number	2.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

This version of the product is compatible with TypeScript 1.0 and we suggest TypeScript users still on previous versions upgrade to 1.0.

The following section describes changes made from the 2.1 release to 2.2 release of the Geocortex Viewer for HTML5.

New Features

The following features were introduced in this release:

- API Updates
  - Version 2.8 of the Essentials API for JavaScript included
  - Version 3.9 of Esri's JavaScript API integrated

- Scalebar Widget
  - A configurable scalebar widget can now be added to the HTML5 Viewer.

- Viewer Logout
  - HTML5 Viewer users logged into secure sites can now log out.

- Compatible with ArcGIS 10.2.2 for Server

Bug Fixes

The following bug fixes were made:

GVH-3258	Bookmarks does not appear in Available Tools.
GVH-3512	Manual modification to the date on a date-picker in workflow is not honored.
GVH-3559	Default colour for banner text is white.
GVH-3569	Can only choose a year in the iOS date picker by scrolling through the date field.
GVH-3581	Feature layers print out of scale range.
GVH-3582	Tools need to be deactivated when a workflow is started.
GVH-3614	Bookmarks toolbar button does not respect bookmarksEnabled="false" setting.
GVH-3624	Disabling and the re-enabling offline module creates an absolute URL for the offline bundle path.
GVH-3641	Uncaught TypeError when printing at current scale.
GVH-3665	Cannot add custom bookmark in Handheld shell.
GVH-3668	Banner vanishes following upgrade due to white text.

GVH-3669	Let administrator specify a color for banner text.
GVH-3683	Subtypes not supported in Editing Form.
GVH-3685	Error "TypeError: Cannot set property 'fsTabVisible' of undefined" when deleting a feature.
GVH-3686	Creating related feature using incorrect geometry type.
GVH-3689	Display hyperlinks in datalink fields as a clickable link.
GVH-3690	Viewer shows only one datalink if the feature is selected from a workflow.
GVH-3702	FSMCollectionChangedEvent not fired correctly.
GVH-3734	Deactivating Erase tool activates previously used tool even if it was not active before activating erase tool.
GVH-3735	Using the edit group clear all while editing measurements leaves behind measurement values.
GVH-3736	Search page does not reset to first page on subsequent searches.
GVH-3741	Measurement erase tool can only be deactivated by using it.
GVH-3743	Epoch DateTime values aren't displayed when feature is identified via global search.
GVH-3758	Convert the Measurement Erase functionality into a tool, similar to Markup.
JSAPI-134	ListBox cannot have programmatically set default values when its content is either hard-coded or set by a given DataItem List.

2.1 Product Release

Release Version Number	2.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 2.0 release to 2.1 release of the Geocortex Viewer for HTML5.

New Features

The following features were introduced in this release:

- API Updates
  - o Version 2.7 of the Essentials API for JavaScript included

- Map Push-pins
  - o The HTML5 Viewer will enable administrators to configure a viewer such that when results are displayed in the results view for desktop or tablet, corresponding push-pins are dropped on the centroid of each feature.

Bug Fixes

The following bug fixes were made:

GVH-3512	Manual modification to the date on a date-picker in workflow is not honored.
GVH-3258	Bookmarks tool does not appear in Available Tools.
GVH-3559	Default colour for banner text is white.
GVH-3569	Cannot choose a year in the iOS date picker.
GVH-3581	Feature layers print out of scale range.
GVH-3582	Tools need to be deactivated when a workflow is started.
GVH-3613	You can set bookmarks via toolbar button when bookmarks are disabled.
GVH-3614	Bookmarks toolbar button does not respect bookmarksEnabled="false" setting.
GVH-3624	Disabling and the re-enabling offline module creates an absolute URL for the offline bundle path.
GVH-3641	"Uncaught TypeError" when printing at current scale
GVH-3665	Cannot add custom bookmark in Handheld shell
GVH-3668	Banner vanishes following upgrade due to white text.
GVH-3669	Let administrator pick color for banner text.
GVH-3683	Support subtypes in editing forms.
GVH-3685	Error "TypeError: Cannot set property 'fsTabVisible' of undefined" when deleting a feature
GVH-3686	Creating related feature using incorrect geometry type.
GVH-3689	Display hyperlinks in datalink fields as a clickable link.
GVH-3690	Viewer shows only one datalink if the feature is selected from a workflow.

GVH-3702   FSMCollectionChangedEvent not fired correctly.

GVH-3704   Images attached from mobile are not visible in ArcMap.

GVH-3734   Deactivating Erase tool activates previously used tool even if it was not active before activating erase tool

GVH-3735   Using the edit group clear all while editing measurements leaves behind measurement values.

GVH-3736   Search page does not reset to first page on subsequent searches.

GVH-3743   Epoch DateTime values aren't displayed when feature is identified via global search

JSAPI-134   ListBox cannot have programmatically set default values when its content is either hard-coded or set by a given DataItem List.

2.0 Product Release

Release Version Number	2.0

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 1.3.1 release to 2.0 release of the Geocortex Viewer for HTML5.

New Features

The following features were introduced in this release:

- API Updates
  - Version 2.6 of the Essentials API for JavaScript included
  - Version 3.8 of Esri's JavaScript API integrated

- Instant Search
  - Support for Instant Search: Viewers consuming sites that have enabled the new Instant Search capability (part of Geocortex Essentials 4.0) will take advantage of the highly-scalable, extremely fast indexed search engine. Users can find map features matching their search terms in the Global Search text box instantly, and the results are ordered by relevance.
  - Supports desktop, tablet, and mobile with shared or individual configurations

- Measurement Tools
  - High-fidelity, configurable measuring tools that take advantage of geodesic and shape-preserving measurements, as well as the ability to measure in different projections
  - Integration with Markup, yielding the ability for measurements to be added to the map as markup and adjusted or re-measured entirely

- Markup Editing
  - The ability to create, edit, and delete markup graphics. Includes the ability to re-symbolize markup
  - Support for text markup

- Basemap Switcher
  - Lightweight, mobile-friendly basemap switching widget.

- Bookmarks
  - Bookmarks (also known as Named Extents) defined in the Site can be displayed in the viewer.
  - Users can navigate to bookmarked areas and manage their own

Known Issues

GVH-3399   Scaling or rotating text markup makes the markup very hard to click on for further editing.

GVH-3591   Clicking on different bookmarks causes the map to go blank when a Bing layer is present

Bug Fixes

The following bug fixes were made:

GVH-2358	Feature label in feature details does not respect HTML markup.
GVH-2367	HTML5's Dropdown list does not scroll with keyboard.
GVH-2370	Required fields are not recognized when editing feature layer on 10.0x ArcGIS Server.
GVH-2424	Display hyperlink activity doesn't clear title.
GVH-2474	New geolocation markup doesn't automatically clear old.
GVH-2519	Edited dates are not sent to the applyEdits endpoint.
GVH-2534	Select Features activity errors out the workflow if given a feature set with zero results.
GVH-2542	Datalinks are not returned with results from workflow.
GVH-2659	Feature layers from ArcGIS Online can't be searched.
GVH-2668	Add Grid option to 'Create a printable map' dialog.
GVH-2677	Can't edit geometry of features with no editable fields.
GVH-2699	Leverage enableHighAccuracy in Geolocate commands.
GVH-2706	Search doesn't work for feature services belonging to FeatureServers that don't have a sibling MapServer.
GVH-2754	Hyperlink Label is not used.
GVH-3001	Cannot edit a feature that was retrieved by search.
GVH-3086	Set Map Service Visibility workflow activity expects a cryptic map service ID for basemaps.
GVH-3088	Default Value provided for Combobox Control not honored.
GVH-3097	Forms group descriptions do not show line breaks.
GVH-3098	Custom library referenced by a relative path in desktop.json.js stops management pack from loading text for Toolbar and I Want To menu.
GVH-3114	SDK Sample fails to load Language.json.
GVH-3116	Features returned by an identify are uneditable after zooming to a particular feature.
GVH-3128	Improve the performance and structure of the feature attribute class.
GVH-3131	Can't generate print template/report after using UpdateGraphicsLayer activity.
GVH-3133	Null type fields on features cause an error which prevents the editor from opening.
GVH-3134	Incorrect password yields the error "Failed to initialize site. The error was: Unknown resource - could not find token service endpoint".
GVH-3135	Draw tools does not release cursor in IE after draw end.
GVH-3137	Command metadata missing for StartEditingFeature.
GVH-3155	Comboboxes selected value only gets set when a query is run.
GVH-3186	Zoom to scale doesn't work when the map uses a WKT projection.
GVH-3187	Combo Box slow to load on iOS 7 on iPhone.
GVH-3193	Tiles are not requested for cached ImageServer service.
GVH-3195	Second global search attempt will fail with missing token error.
GVH-3196	Running the global search command from code renders the global search box unresponsive to user input, and vice versa.
GVH-3202	Generating offline bundle throws error if site display name contains invalid characters.

GVH-3271	Internet Explorer crashes when highlighting the text entered on the global search and dragging it to the map.
GVH-3273	Circle and Elipse markup remain after clearing all drawings.
GVH-3283	GeoRSS feeds won't load as the proxy misinterprets the server response.
GVH-3324	Can't manage viewer when site contains a dynamic layer.
GVH-3385	Service Order in Legend Does not Match Service order in Layer List or Site > Map Config.
GVH-3401	GVH seems to ignore orientation of children in workflow forms.
GVH-3408	File Picker Required Value Validation Does Not Work.
GVH-3448	Legend order incorrect for feature service.
GVH-3449	Legend doesn't show for tiled services.
GVH-3460	Date Picker form item always appears in English.
GVH-3499	Time Picker's UI Elements appear in English.

1.3.1 Product Release

Released: 20-Sep-2013

Release Version Number	1.3.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 1.3 release to the 1.3.1 release of the Geocortex Viewer for HTML5.

Bug Fixes

The following bug fixes were made:

GVH-2687	Invalid token used when Global Search is performed on a token-secured service
GVH-3067	Offline base map file name configuration generates a malformed Meta.json.js file.
GVH-3072	Cannot attach file to feature when offline.
GVH-3075	Upgrader does not get run in Manager.
GVH-3076	Any Bing map layer that is turned on by default will be blank.
GVH-3081	UpdateGraphicsLayer activities are unable to find existing graphics layers.
GVH-3085	Viewer freezes when selecting features.
GVH-3089	The command "ShowFeatureDetails" is throwing an error.
GVH-3105	Editing a field with a coded domain results in display of code instead of name.
GVH-3108	Regions in toolbar do not get displayed properly.
GVH-3125	Viewer doesn't pass argument value when RunWorkflowWithArguments command hyperlink is clicked.
GVH-3126	Data-binding error in viewer log: Property 'id' does not exist in view model 'undefined'.
GVH-3127	Coded domains default to integer type fields.

1.3 Product Release

Released: 30-Aug-2013

Release Version Number	1.3

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Notable features in this release of the Geocortex Viewer for HTML5 include a highly configurable, mobile-supported Toolbar, as well as a Legend, and a user interface for printing. Editing has been enhanced to support more complex feature classes and editing scenarios.

Aside from new features and functionality, a number of issues have been fixed and overall browser compatibility has been improved.

The Essentials API for JavaScript and the Geocortex Framework for HTML5 have been ported to TypeScript, and the TypeScript definition files are available in the release package. The API and framework remain totally compatible with existing JavaScript applications – developers can continue to write components in JavaScript or migrate to TypeScript as they please. For more information on TypeScript, visit http://www.typescriptlang.org/.

The following section describes changes made from the 1.2.1 release to the 1.3 release of the Geocortex Viewer for HTML5.

NOTE: The default location of the proxy page has changed from "/proxy.ashx" to "proxy.ashx" We recommend serving proxy pages from within the same IIS folder as the viewer for security reasons. Furthermore, the proxy page has been updated with some new functionality, including improved support for Windows Authentication, and we recommend replacing older versions with their newer counterparts during every upgrade.

New Features

The following features were introduced in this release:

- API Updates
    - Version 2.5 of the Essentials API for JavaScript included
    - Version 3.6 of Esri's JavaScript API integrated

- Configurable Toolbar
    - Highly configurable toolbar component
    - Supports desktop, tablet, and mobile with shared or individual configurations
    - Includes a visual Management Pack component

- Legend Module
    - Legend for ArcGIS Dynamic Map Service layers, Feature Services, and basic WMS services
    - Functions in offline mode when working with Feature Services

- Editing Enhancements
    - Resolved a number of issues around On Demand feature layers.
    - Improved validation
    - Enhanced support for types, sub-types, and coded domain values

- Browser Support
  - Support for file attachments in browsers that support the HTML5 File API
  - Support for touch devices and offline mode in IE10+

- General Enhancements
  - Home panel
  - Printing interface
  - Configured markup tools
  - Configured identify tools

- Security
  - Improved support for token-secured Sites and Map Services
  - Improved support for Windows Authentication when using the proxy page

Bug Fixes

The following bug fixes were made:

GVH-654	Add/Edit features does not respect the configured output fields.
GVH-1351	Can't toggle the visibility of cached map services under certain circumstances.
GVH-1751	Zoom to Feature acts the same as Pan to Feature for point features.
GVH-1809	Binding error: Property 'layerIsEditable' does not exist in view model 'undefined'.
GVH-2019	Panning or zooming the map in OnDemand mode "resets" the feature being edited.
GVH-2063	Layer Actions menu should display the name of the layer you've just clicked/tapped on.
GVH-2202	Identify result that was deleted from results list shows up in table view.
GVH-2208	Removed result returns after changing page.
GVH-2215	Visibility of parent map service does not toggle on when toggling on the visibility of a child layer.
GVH-2217	After editing feature, feature details menu doesn't update.
GVH-2224	Paging controls do not update when a feature is deleted.
GVH-2226	Identify results are not updated when offline deletions are made.
GVH-2239	First identify after editing doesn't return the feature.
GVH-2259	Panning or zooming the map while editing a feature's geometry causes the feature to disappear.
GVH-2283	Results list does not update when you delete features.
GVH-2292	After editing geometry, pressing cancel doesn't reset the position of the feature while offline and causes errors with editing it when back online.
GVH-2330	Dynamically removed banners leave a white space behind.
GVH-2334	No warning for trying to save integer outside of valid range.
GVH-2344	Time-Aware Layers SDK Sample displays wrong map extent.
GVH-2347	ZoomOutToExtent command broken.
GVH-2350	allowMultipleVisibleBaseMaps flag not always respected.
GVH-2372	Switching from online to offline when creating feature results in invalid feature.

GVH-2374	Feature doesn't appear on map after transitioning online and offline while editing feature.
GVH-2380	Name in result list doesn't show up for some feature layers.
GVH-2386	Panning map before feature layers have loaded causes map to freeze on mobile Chrome 25.
GVH-2414	Cascading dropdowns use the wrong value in the cascading where clause.
GVH-2416	Initial Extent setting of a cached map service with a WKT projection definition is ignored.
GVH-2437	Placeholder activity shouldn't trigger a dialog in the viewer.
GVH-2477	Cascading control below an AutoCompleteBox doesn't populate in a DisplayForm.
GVH-2521	Feature Hyperlink points to the incorrect address.
GVH-2534	Select Features activity errors out the workflow if given a feature set with zero results.
GVH-2543	User gets mixed content warning on IE when using viewer over HTTPS.
GVH-2554	Date picker: formatting missing, incorrect time.
GVH-2555	When you click "Data sync settings", the title displayed is "Manage Sync Settings".
GVH-2572	After changing a feature's geometry, the zoom to feature button zooms to the old extent.
GVH-2576	Datalink gives no results in GVH when it works in GVS.
GVH-2578	Display hyperlink activity does not show hyperlink if there is no hyperlink text.
GVH-2580	TimePicker does not show label.
GVH-2593	HTML5 Viewer does not return errors on feature save for mobile shell.
GVH-2594	Unable to save features that contain datetime fields in iOS.
GVH-2596	Offline button appears below bottom of screen when app first loads.
GVH-2611	Parent group's visibility setting does not override the visibility of children form items in DisplayForm.
GVH-2643	Workflow runtime modification not honored on datepicker for GVH.
GVH-2683	Attempting to clear local storage leads to Error: File error: file not found.
GVH-2687	Invalid token used when Global Search performed on token-secured service.
GVH-2720	AddMarkup command does not add visible markup.
GVH-2723	Marker symbol defaults are not respected.
GVH-2766	Sync Offline Data where specified feature layers for sync are non-visible causes issues.
GVH-2807	Modify GetLayerVisibility activity to show effective visibility if flag is enabled.
GVH-2883	Disable autocapitalize and autocorrect for username on login form.
GVH-2930	FeaturePresenterView not showing coded domains.

1.2.1 Product Release

Released: 10-May-2013

Release Version Number	1.2.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 1.2 release to the 1.2.1 release of the Geocortex Viewer for HTML5.

Bug Fixes

The following bug fixes were made:

GVH-1716	If error occurs during synchronizing features, the viewer freezes.
GVH-1736	When a Viewer's display name has a '\' as the last character, the management pack fails to load.
GVH-2034	'No data' text is not displaying for related records while offline.
GVH-2215	Visibility of parent map service does not toggle on when toggling on the visibility of a child layer.
GVH-2233	Feature Layer visibility doesn't work consistently.
GVH-2261	Two drop-down arrows shown in Internet Explorer in the handheld shell.
GVH-2270	Can't create a viewer that has '\' in the name.
GVH-2294	Zoom to visible scale doesn't always work.
GVH-2297	Identify fails on non-editable feature layer while offline.
GVH-2298	The feature is not associated with any known map service error when creating a feature from a token-secured service.
GVH-2301	Unsynchronized edits do not trigger a notification.
GVH-2306	Visibility of WMTS layers is not toggled correctly by the layer list.
GVH-2307	HighlightFeature command is not highlighting the feature.
GVH-2310	When synchronizing multiple layers, have text box scroll to the bottom with each update.
GVH-2311	Cached extents don't get cleared along with offline data.
GVH-2313	Date/Time attributes don't display in the HTML5 viewer result list correctly.
GVH-2316	Invalid HTML in the compiled Mapping module.
GVH-2317	Prepare for offline use dialogue says alert.
GVH-2319	When selecting style from "Create a Feature" menu, error present in logs.
GVH-2320	Horizontal display form text boxes formatted poorly.
GVH-2321	Resolving datalinks causes duplication on the feature details view.
GVH-2324	Edit log dependencies break when deleting edits.
GVH-2338	Can't read entire length of feature attribute names in the results frame.
GVH-2346	Time is displayed in seconds after the epoch after a query task on a workflow.

| GVH-2357 | Chrome users are always prompted about storing large amounts of data locally. |
| GVH-2360 | Some CSS elements / JS functions missing in IE8. |

1.2 Product Release

Released: 12-Feb-2013

Release Version Number	1.2

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 1.1 release to the 1.2 release of the Geocortex Viewer for HTML5.

New Features

The following features were introduced in this release:

- API updates

    o Version 2.4 of the Essentials API for JavaScript used and included
    o Version 3.3 of Esri's JavaScript API used

- Management Pack

    o Graphical interface for managing viewer configuration
    o Instant preview
    o Ability to manage multiple "shells" at once

- Highlighting

    o Basic highlighting commands
    o Highlight from workflows and configured events
    o Basic Markup commands included as well

- Improved offline support

    o Out-of-box ability to take feature layers offline
    o Caching/syncing user interface for end-users

- Editing

    o Ability to edit feature layers
    o Support for editing offline
    o Support for Relationship Classes and Coded Domain values

- Data Linking

    o Ability to view DataLinks in the Feature Details view
    o Relationship support

- Viewer Interface enhancements

- o   Increased performance
- o   Configurable drill-down menus, for desktop and mobile
- o   Improved navigation and layout
- o   Extensible workflow form rendering and behavior

Bug Fixes

The following bug fixes were made:

GVH-2231	Can't add html markup on feature label.
GVH-2140	Update Interval setting for GeoRSS layers is not working.
GVH-1883	Opening an uninitialized data frame centers the map on the initial extent, not the previous extent.
GVH-1502	ZoomToFeatures command calls GetItems method on featureset instead of featureset.features.
GVH-1494	Parallel SelectFeatures activities do not select all possible features
GVH-1491	Identify tools return duplicate results.
GVH-1490	Identify tool does not respect whether a layer is visible or configured identifiable.
GVH-1485	PrintMap Activity does not set output format properly.
GVH-1484	Inconsistent handling of Select Text in combo boxes.
GVH-1481	Cannot toggle base maps in the SimpleLayerList in some cases.
GVH-1466	Running a workflow form in IE8 displays a focus-related error.
GVH-1463	Title Bar of Map Tip does not display HTML entities (symbols), even with allowUnsafeContent.
GVH-1461	Identify (Map Tips) produce unexpected results when base layers are not visible.
GVH-1456	Running the SetMapServiceVisibility activity does not reflect on Simple Layer List.
GVH-1453	When there is no layer turned on in a map service, map service visibility is off by default in SimpleLayerList.
GVH-1449	ShowMapTip flag from layer settings in REST Manager is not being respected in Viewer for HTML5.
GVH-1447	QR Codes get clipped on low resolution displays.
GVH-1445	ModelWindowPlaceholderRegion is incorrect in configuration; should be "ModalWindowPlaceholderRegion".
GVH-1444	Incorrect reference to "../Images/Icons/loader-small.gif".
GVH-1421	Freehand polygon identify on feature layers does not return the proper results.
GVH-1394	Handheld shell should scroll past address bar on smaller devices.
GVH-1308	Base map can disappear on iPad after minimizing the browser.
GVH-1079	If allowUnsafeContent is false, show actual symbols instead of HTML entities
GVH-845	Geolocation while offline.
JSAPI-113	JPEG image format not recognized for display setting.
JSAPI-108	Cascading form item queries do not escape single quotes.

1.1 Product Release

Release Version Number	1.1

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

The following section describes changes made from the 1.0 release to the 1.1 release of the Geocortex Viewer for HTML5.

New Features

The following features were introduced in this release:

- API updates

  - Version 2.3 of the Essentials API for JavaScript used and included
  - Version 3.1 of Esri's JavaScript API used

- Layer List

  - Suitable for desktop and mobile use
  - Configurable layout options
  - Configurable behavior options

- Results List / Results Table

  - Touch-friendly display of results
  - Can display results from workflows, identify operations, etc.
  - Configurable behavior on click and long-press events

- Offline support

  - Infrastructure for custom offline applications
  - Infrastructure for caching operational data
  - Infrastructure for disconnected editing

- Global Search

  - Extensible search framework
  - Supports ArcGIS Geocoders, Bing Geocoders, and Layer searches, as configured in the Site.

- Feature Details

  - Displays information about features on the map

- o   Extensible and configurable
- o   Currently shows attributes, related features, and attachments

- Framework enhancements

  - o   Simple offline storage API that uses Local Storage and/or HTML5 File API
  - o   Template binding enhancements

- Enhanced workflow support

  - o   DisplayCaptureGeometry and other workflow activities implemented

- Viewer Interface enhancements

  - o   Improved platform support
  - o   Usability improvements
  - o   Configurable groups of views with tab or drill-down controls
  - o   Dedicated Geolocation button
  - o   Configurable tools
  - o   Configurable menus

Bug Fixes

The following bug fixes were made:

GVH-1314	Remove the Hidden checkbox from the Viewer Info page of the management pack
GVH-1237	Busy indicator in workflow container is hard-coded; this should use CSS styles instead so it can be overridden
GVH-1217	@value-bound textboxes only update via "onchange" requiring a focus change to set the value.
GVH-681	ResourceCompiler does not indicate which dictionary file is invalid when it fails due to invalid dictionary JSON
GVH-678	Results table overlaps with data region
GVH-598	Buffer Activity does not display markup in GVH
GVH-529	ConfirmModule fires callback twice
GVH-527	JavaScript Confirm, Prompt and Alert should stay synchronous if no callback provided
GVH-525	URL parameter to run a workflow does not match the name used by GVS
GVH-522	Identify on Feature Layer should not use a MapService to perform the identify
GVH-512	Token is not included in requests to secured sites
GVH-502	DataRegion should not display default OK/Cancel buttons if not configured in Workflow Designer
GVH-498	SelectFeatures with Clear Collection First True removes layer name in Results Table
GVH-481	Display Form Activity with a large amount of content cannot be scrolled
GVH-479	Display Hyperlink Activity does not disappear after Close button is pressed

GVH-450	Modal container overflows out of the screenRegion if a large form is viewed in Tablet
GVH-449	IWTM button must be pushed twice to close if the log is opened and closed while the menu is open (Handheld)
GVH-439	Map tips inaccurate, can return values for parcels you didn't click
GVH-430	ScreenRegion should have a configurable title bar for Alert, Prompt, Confirm
GVH-425	Parallel activity continues executing workflow without completing inner activities first
GVH-421	Workflows running in the DataRegion or ScreenRegion can't be closed
GVH-406	Hover states for items in autocomplete lists
GVH-398	DataRegion doesn't have a title bar
GVH-366	Cannot identify layer with maxScale only
GVH-346	Banner can be misplaced after a form is submitted in certain circumstances with iPhone
GVH-340	Collect External Event Args always returns null
GVH-145	Workflows can run overtop and interfere with each other in Handheld
GVH-133	Observable collections have inconsistent rangeStart and rangeEnd

1.0 Product Release

Released: 4-Apr-2012

This product release contains the Geocortex Viewer for HTML5, a VTE integration package, a QuickStart, and a set of SDK Samples.

Product	Required Version Number(s)
Geocortex Essentials REST Elements	3.4