





CygNet Thin Web Client v2.0 Release Notes

Release Date: April 18, 2025

This document describes features and changes included in the CygNet Thin Web Client v2.0. The CygNet Thin Web Client v2.0 is compatible with CygNet v9.7 and later.

For instructions on updating your CygNet host, refer to the  [CygNet v9.9 Upgrade Procedure](#)  for more information.

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CygNet Thin Web Client Overview



The **CygNet Thin Web Client** (TWC) is CygNet's browser-based Human-Machine Interface (HMI) client application, which allows users to view operational screens and workflows in a web browser using sophisticated web-based technologies. The Thin Web Client is a Single Page Application (SPA) that is built using customer provided and built screens. Those screens are constructed using the design and screen building components of the CygNet Canvas desktop client. Use Canvas to layout HMI components onto a screen (a page of controls) and configure a logical workflow between controls on the screen and other related screens. When published, those screens are converted and compiled into the SPA that resides on the main TWC server.

This document describes enhancements, modifications, and fixes to CygNet Thin Web Client v2.0 and Canvas in CygNet v9.7 and later.


Product Lifecycle

For more information on the lifecycle of CygNet components, refer to the **CygNet Software Product Lifecycle Matrices** on the [Weatherford Software Support portal](#)  (login required) under **CygNet Software > Maintenance & Support Info**.

Upgrade Assistance

Upgrade assistance is available through prepaid professional service hours provided with your annual services subscription or through time-and-materials consulting services. If you need assistance in planning, upgrading, or deploying this release, please contact CygNet Support for more information about these options. Contact CygNet Support at the [Weatherford Software Support portal](#) , via phone at 1-866-4CYGNET (1-866-429-4638), or via email at [CygNet Support](#) .

CygNet Documentation

Refer to the [CygNet Help](#)  for user assistance. The online help is best viewed in Microsoft Edge or Google Chrome browser. Microsoft Internet Explorer 11 is not supported.

Refer to the following sections of the [CygNet Help](#)  for further user assistance:

- [Canvas Help](#) 
- [CygNet Thin Web Client Help](#) 

Changes in CygNet TWC v2.0

This section describes major features in CygNet Thin Web Client (TWC) v2.0.

TWC Features

The following enhancement and fix have been made in CygNet Thin Web Client v2.0.

TWC User Interface

UI Refresh

- The Thin Web Client v2.0 **user interface** has been refreshed to enhance the usability and overall experience of the application.

Ad Hoc Chart

- Fixed a **resizing issue** with the menu bar along the top of the **Ad Hoc Chart** in the TWC web view. Previously the menu bar did not shrink horizontally when a browser was resized, or the TWC was viewed on a smaller device, causing some of the menu bar's controls to be inaccessible. Now the whole ad hoc chart, including the menu bar, resizes as expected when the TWC is resized.

Canvas and TWC Changes

The following changes have been made to Canvas controls and CygNet Thin Web Client components in v2.0.

Canvas Controls

Alarm Grid

- Fixed display and alignment issues with the **Alarm toolbar filter elements** (check boxes, colors, padding, spacing, orientation, and tooltips) in an **Alarm Grid** in the TWC web view.

Chart

- A **Chart's legend** now resolves to the correct facility when using a tokenized value for the Legend format in the TWC web view.

DDS Button, DDS Edit Box, and DDS Text Tool

- The **DDS Button**, **DDS Edit Box**, and **DDS Text Tool** controls are now **supported** in the TWC web view. These controls can be used to get and send data group transaction data (data group element Ids (DEIDs)) from a remote device for display and editing on a TWC screen. They provide an efficient way to create transaction-based screens for displaying and manipulating data group information for remote devices. Use these controls to implement a scriptless solution for creating screens where data is encapsulated in a transaction, but not mapped to a CygNet point.

DDS Edit Box

- **Validation** has been added to ensure that the **DDS Edit Box** supports all data types of values configured for the data group element IDs (DEIDs). The Canvas UI has been modified to support limiting the range of values accepted for any DEID.

Detail

- Fixed **display and resizing issues** with the **Detail** control in the TWC web view. Previously, text on the control failed to auto-size correctly when the screen was resized, the flip icon was re-oriented and appeared squeezed, the background color of the flip icon changed, and text on the flipped object was truncated.

Dynagraph Control

- The **Dynagraph** control now displays correctly in the TWC web view. Previously failed card transactions were getting included in the legend under the graph.

Image Control

- Fixed a **style issue** that corrupted the display of an **Image** control in the TWC web view. Previously when presenting multiple Nested Views that referenced the same screen containing one or more images or multiple Detail screens that flipped to the same object containing one or more images, the display of the image on the screen or on the flipped object was oversized and/or illegible.

Map

- The TWC web view now supports the ability to **show or hide different images on a Map layer** at different zoom levels, so that images can change as you zoom in and out of the map. Zoom-based visibility is supported by configuring the **Visibility** property on the **Visuals** tab of the **Map Layer Configuration** dialog box.

Navigation Button

- Fixed a style issue that corrupted the display of the **Navigation Button** in the TWC web view. Previously when presenting multiple Nested Views that referenced the same screen containing one or more Navigation Buttons or multiple Detail screens that flipped to the same object containing one or more Navigation Buttons, the **display** of the button on the screen or in the flipped object was oversized and/or illegible.

Note Grid

- Fixed a **time zone issue** with notes displayed in the **Note Grid** in the TWC web view. Previously when there was a time zone difference between the client and the server, the grid failed to display the correct notes.

SetPoint Button

- Fixed a style issue that corrupted the display of the **SetPoint Button** in the TWC web view. Previously when presenting multiple Nested Views that referenced the same screen containing one or more SetPoint Buttons or multiple Detail screens that flipped to the same object containing one or more SetPoint Buttons, the **display and/or color** of the button on the screen or in the flipped object was oversized and/or illegible.

Text Tool


- Fixed a style issue that corrupted the display of the **Text Tool** in the TWC web view. Previously when presenting multiple Nested Views that referenced the same screen containing one or more Text Tools or multiple Detail screens that flipped to the same object containing one or more Text Tools, the **display and/or color** of the Text Tool on the screen or on the flipped object was oversized and/or illegible.

UIS Command Button

- Fixed a style issue that corrupted the display of the **UIS Command Button** in the TWC web view. Previously when presenting multiple Nested Views that referenced the same screen containing one or more UIS Command Buttons or multiple Detail screens that flipped to the same object containing one or more UIS Command Buttons, the **display and/or color** of the button on the screen or in the flipped object was oversized and/or illegible.

TWC Reference Packages

A **CygNet Reference Packages** implementation is available for use with Canvas and the CygNet Thin Web Client v2.0. The screens, workflows, and sample data provided in the CygNet Reference Package represent the most current capabilities of Canvas and the CygNet TWC and is offered as an example of how you might implement Canvas and TWC to create a similar set of screens for your operators to visualize enterprise data in the Canvas Native view or the CygNet Thin Web Client web view.

A **Reference_Packages.zip** is included with the CygNet Thin Web Client v2.0 upgrade files and contains all the files you need to get started. Refer to the **CygNet Reference Packages, Installation Guide and Data Model** for more information. The **Reference_Packages.zip** is posted to the [CygNet Download Site](#)  (login required).