

# Appian Component Plugin Documentation

## Component Name

HTML Viewer

## Description

The HTML Viewer is a powerful Appian component plugin designed to dynamically render custom HTML content within Appian interfaces. It tracks user interactions, maintains input states, executes embedded scripts, and supports form behavior for rich client-side interactivity.

## Component Parameters

Parameter	Type	Description
htmlContent data	Text (HTML)	HTML content to be rendered dynamically.
	Dictionary	Stores user input values and element interaction states.
resetFields refreshOnElementChange	List of Text	List of input field IDs to reset upon specific actions.
	List of Text	List of field IDs that trigger component refresh upon interaction.

## Core Functionality

### Dynamic Content Rendering

Seamlessly displays custom HTML content based on user or process-driven data. This enables dynamic forms, content panels, or interactive views that reflect real-time business logic.

### Interactive Data Capture

Captures user interactions such as selections, inputs, and choices across a wide range of form components. This allows for flexible and responsive business workflows driven by user actions.

### State Persistence & Synchronization

Maintains and syncs user inputs, ensuring data is preserved during interactions and ready for use in business rules or submissions. Ensures continuity even when users navigate or refresh content.

### Conditional Updates

Automatically refreshes and updates based on changes in specified user actions, enabling targeted performance optimization and reactivity for mission-critical inputs.

### Content Reset on Action

Allows selective resetting of specific fields or data entries when triggered by user or system actions, supporting dynamic form behavior such as clearing or reinitializing data.

### **Custom Behavior via Scripts**

Supports embedding and execution of JavaScript to enrich visual presentation or logic, enabling advanced rendering scenarios and enhanced interactivity.

### **Clickable Element Tracking**

Monitors and tracks clicks or interactions on interactive visual components such as buttons or links, enabling responsive user journeys and traceable engagement.

### **Form Submission Support**

Integrates form-like structures with Appian, allowing user-submitted data to be processed or validated before backend orchestration.

### **File Upload Capability**

Supports client-side file uploads by converting files to secure encoded formats. Enables Appian workflows to accept, process, and store attachments from end users.

### **Developer Notes**

- Use clear and unique id attributes for all interactive elements.
- Avoid complex nested event handlers in HTML content.
- Persist the data dictionary at the parent interface level using saveInto mappings.