

Standalone Tooltip Control

Overview

Transform your Power Platform forms with intelligent, context-aware tooltips that provide users with instant help and guidance. This component seamlessly integrates with your existing fields, delivering a professional user experience without disrupting your form layout.

Why Use This Component?

Business Benefits

- **Reduced Support Tickets:** Users get instant help without contacting support
- **Improved Data Quality:** Clear field guidance leads to better data entry
- **Enhanced User Adoption:** Intuitive forms increase user satisfaction
- **Professional Appearance:** Clean, modern tooltip design matches Microsoft's design language
- **Compliance Documentation:** Embed regulatory guidance directly in forms

Technical Advantages

- **Zero Layout Impact:** Component eliminates its own footprint completely
- **Smart Positioning:** Automatically positions tooltips to avoid screen boundaries
- **Mobile Responsive:** Adapts perfectly to tablets and smartphones
- **Accessibility Compliant:** Full keyboard navigation and screen reader support
- **Performance Optimized:** Minimal resource usage with intelligent loading

Visual Examples

Before and After Comparison

Screenshot Demo:

←

↻

💾 Save

💾 Save & Close

➕ New

🚫 Deactivate

👤 Connect

⌵

👤 Assign

🗑 Delete

🔄 Refresh

⋮

📄 Share ⌵

AD

A. Datum Corporation (sample) - Saved

Account · Account ⌵

₹10,000.00
Annual Revenue

6,200
Number of Employees

SS

Sahil Singh
Owner

⌵

Summary

Details

Related ⌵

📄 Form assist

ACCOUNT INFORMATION

Account Name 🗨️ *

A. Datum Corporation (sample)

Help

sdfdsdfsdfasdf

choice ⓘ

2

⌵

Phone ⓘ

555-0158

📞

Fax

Website

http://www.adatum.com/

🌐

ADDRESS

Address 1: Street 1

2137 Birchwood Dr

Address 1: Street 2

Address 1: Street 3

Address 1: City

Redmond

Address 1: State/Province

WA

Address 1: ZIP/Postal Code

78214

Demo: Form appearance before and after adding tooltip components

Different Icon Types in Action

Screenshot Demo:

←

↺

Save

Save & Close

+ New

Deactivate

Connect

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Demo: Various icon types positioned next to different field types

Mobile Responsive View

Power AppsPCF

Save

AD

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choice

2

Phone

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http://www.adat...

Parent Account

Ticker Symbol

Screenshot Demo:

Demo: How tooltips adapt and display on mobile devices

Rich HTML Content Example

Screenshot Demo:

←↻SaveSave & Close+ NewDeactivateConnectAssignDeleteRefreshCheck Access

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choice

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Ticker Symbol

How to Use This Page

Follow these simple steps to get started:

1. Read all instructions carefully before starting.

2. Prepare all necessary materials and tools.

3. Follow each step in order without skipping.

4. Double-check your work after each step.

5. Contact support if you encounter any issues.

Tips & Tricks:

• Stay organized and keep a checklist.

• Take breaks if the task is long.

• Keep your workspace clean.

• Ask for help if you feel stuck.

Thank you for following the instructions!

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Address 1: Street 2

Address 1: Street 3

Address 1: City

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Address 1: State/Province

WA

Address 1: ZIP/Postal Code

78214

Address 1: Country/Region

U.S.

Description

<body style="font-family: Arial, sans-serif; ba

Demo: Tooltip displaying formatted HTML content with bullet points and links

How to Add the Component to Your Form

Step 1: Import the Solution

1. Download the tooltip component solution file

2. Go to **Power Platform admin center** > **Solutions**

3. Click **Import** and upload the solution

4. Follow the import wizard to complete installation

Step 2: Add Component to Form

1. Open your **Model-driven app** in edit mode

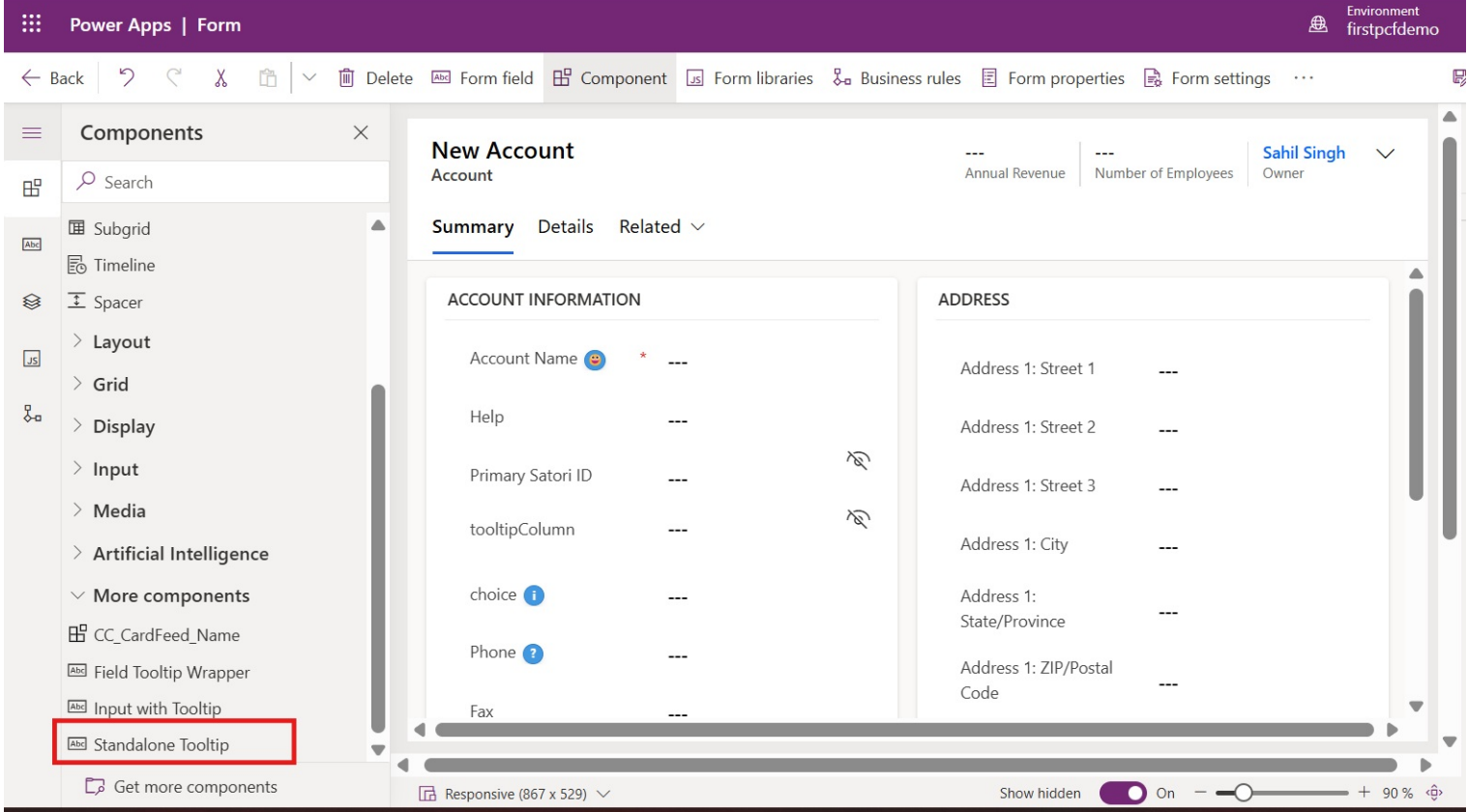
2. Select the **form** you want to enhance

3. Click + **Component** in the form designer

4. Search for "**Standalone Tooltip**" and select it

5. **Drag and drop** onto any section of your form

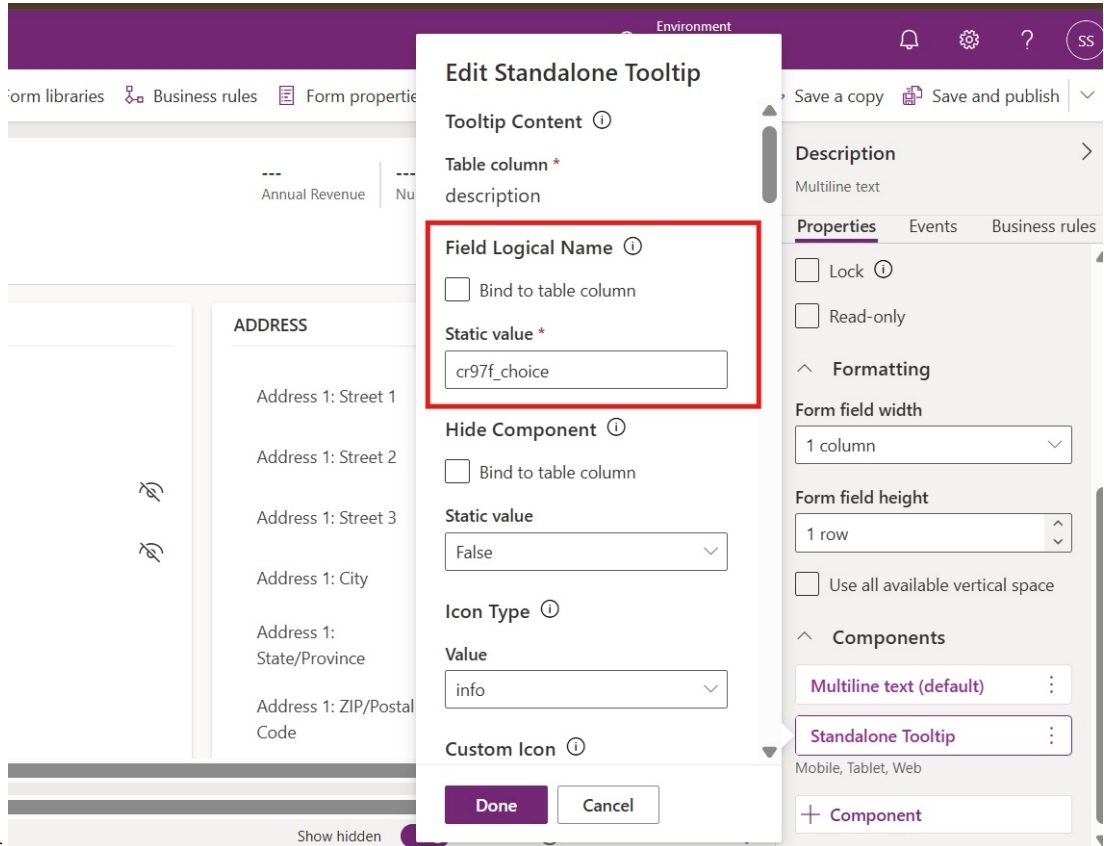
Screenshot Demo:



Demo: Dragging the Standalone Tooltip component from the component panel to your form

Step 3: Configure the Component

1. With the component selected, go to **Properties** panel
2. **Required Settings:**
 - **Tooltip Content:** Bind to a text field containing your help text
 - **Field Logical Name:** Enter the exact field name (e.g., "firstname", "new_customfield")

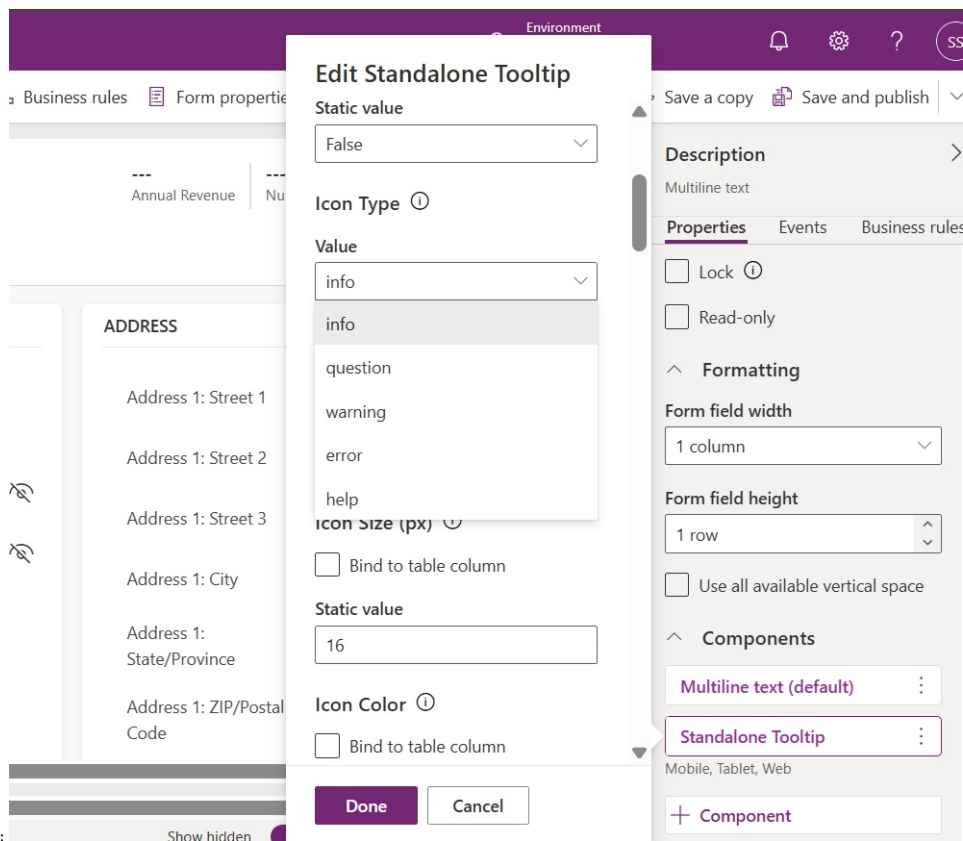


Screenshot Demo:

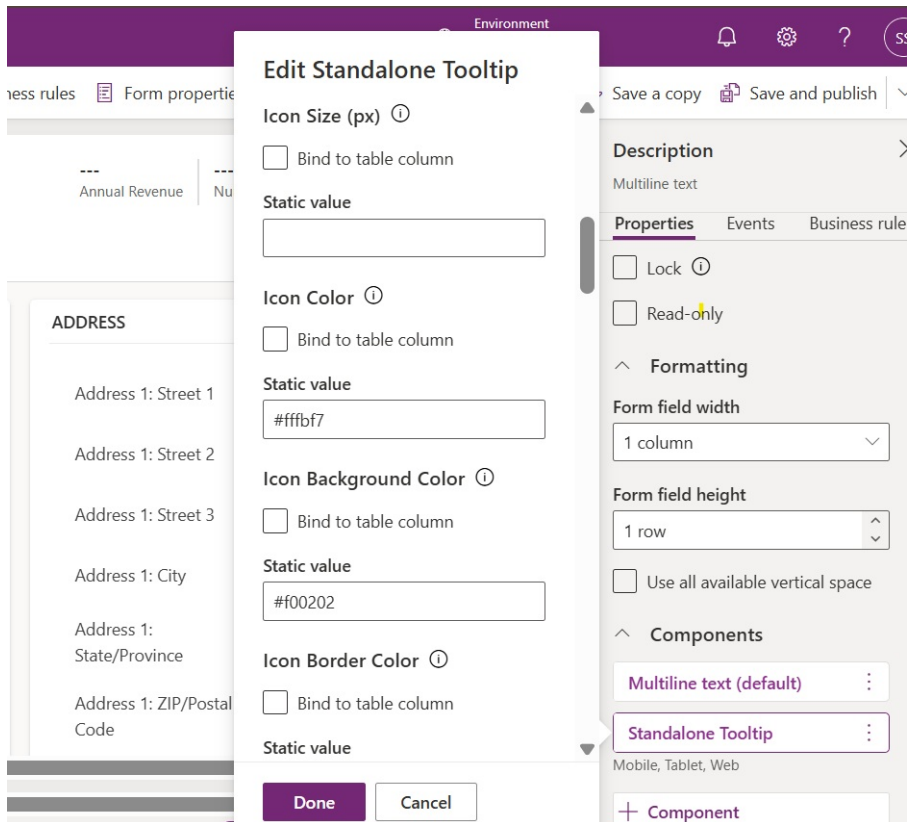
Demo: Configuring tooltip properties with field binding and logical name setup

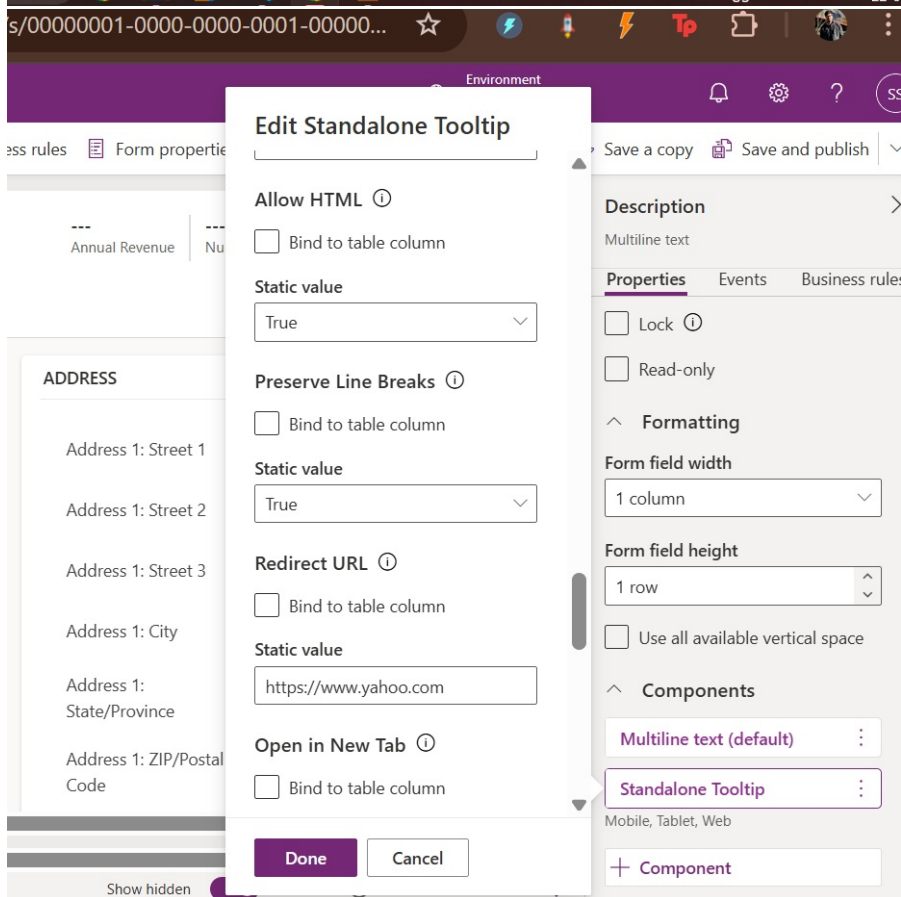
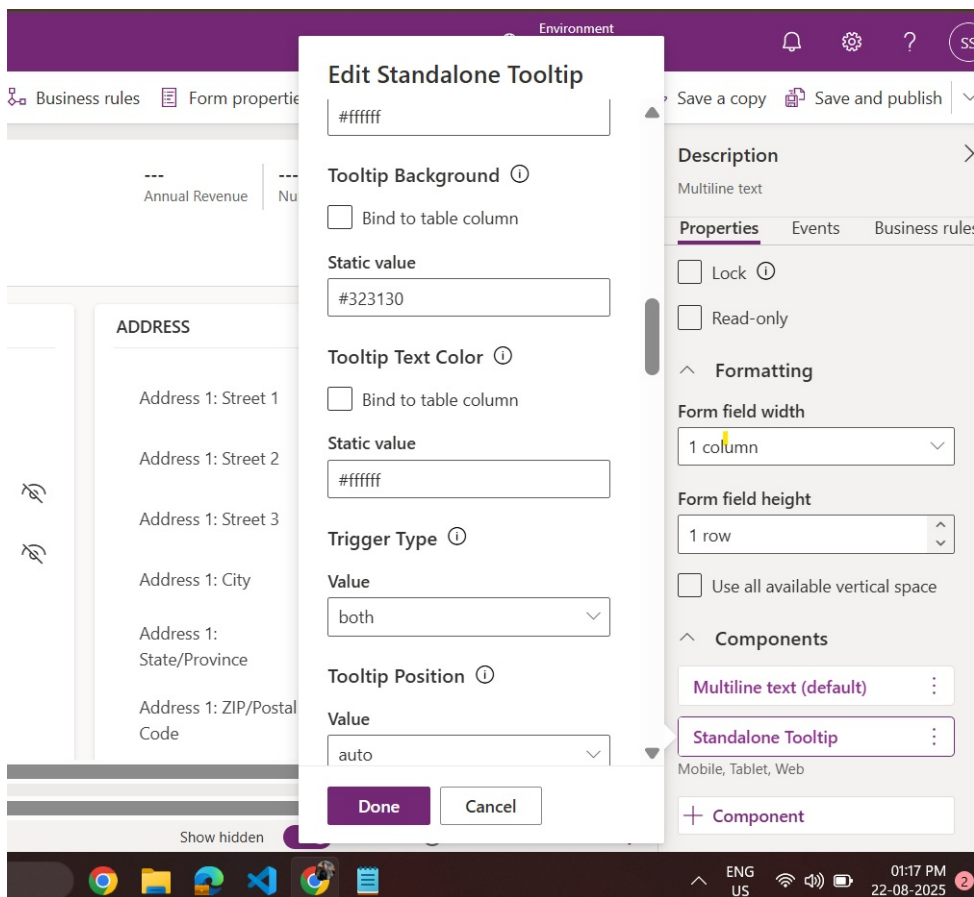
Step 4: Customize Appearance

- **Icon Type:** Choose from Info (i), Question (?), Warning (⚠), Error (!), or Help (?)
- **Colors:** Match your brand colors for icon and tooltip background
- **Size:** Adjust icon size for optimal visibility
- **Positioning:** Let it auto-position or force specific placement



Screenshot Demo:



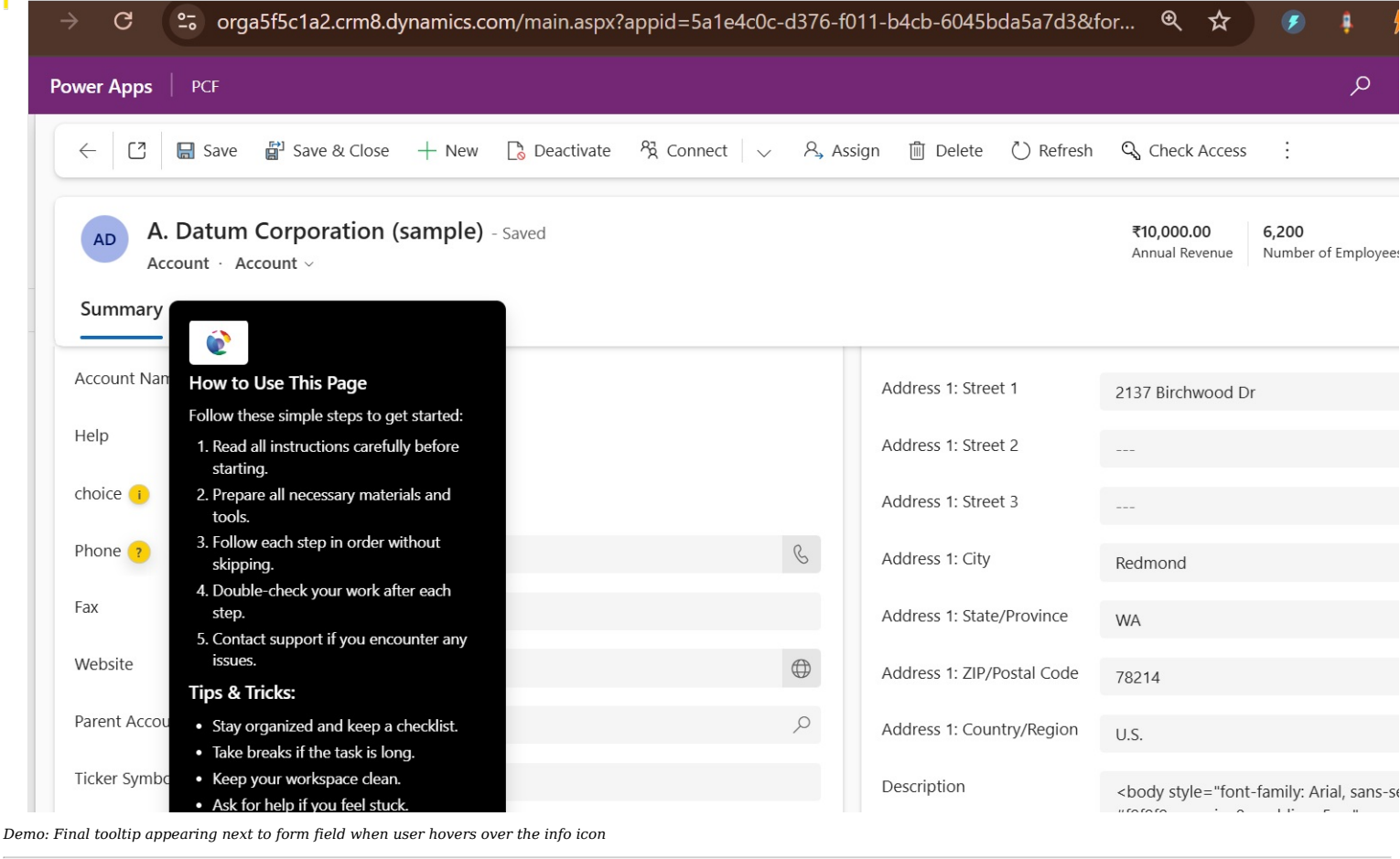


Demo: Different icon types and color customization options

Step 5: Save and Publish

1. **Save** your form
2. **Publish** the changes
3. **Test** in your app to ensure proper positioning

Screenshot Demo:



Demo: Final tooltip appearing next to form field when user hovers over the info icon

Complete Property Configuration Guide

Essential Configuration

Tooltip Content (Required)

What it does: The actual help text users will see **How to use:** Bind to a text field in your data source **Pro tip:** Store content in a separate entity for centralized management **Example:** "Enter the customer's primary business phone number including area code"

Field Logical Name (Required)

What it does: Tells the component which field to attach the tooltip to **How to find:** Check field properties in form designer or solution explorer **Format:** Use exact logical name without spaces **Examples:**

- Standard fields: "firstname", "lastname", "emailaddress1"
- Custom fields: "new_customfield", "cr5f8_specialfield"

Hide Component

What it does: Completely removes tooltip from view **When to use:** Conditional tooltips based on user roles or form state **Power:** Use business rules or JavaScript to show/hide dynamically

Visual Customization

Icon Configuration

Icon Type Options:

- Info (i):** General information and explanations
- Question (?):** Field clarifications and examples
- Warning (⚠):** Important notices and cautions
- Error (!):** Critical information and requirements
- Help (?):** Additional assistance and tips

Custom Icon: Override with any character or emoji **Examples:** (ideas), (notes), * (important), 🔒 (secure)

Icon Size: Adjust from 14px to 24px for perfect visibility **Mobile Impact:** Automatically scales down 2px on mobile devices

Color Theming

Icon Colors:

- Icon Color:** The character/symbol color (default: white)
- Background Color:** Circle background (default: blue)
- Border Color:** Circle outline (default: darker blue)

Tooltip Colors:

- Background:** Popup background (default: dark gray)
- Text Color:** Content text color (default: white)

Brand Matching: Use your organization's brand colors for consistency **High Contrast:** Ensure sufficient contrast for accessibility compliance

Behavior Settings

Trigger Types

Hover: Shows on mouse hover - ideal for desktop users **Click:** Shows only when clicked - perfect for mobile devices **Both:** Responds to hover AND click - maximum flexibility **Recommendation:** Use "Both" for universal compatibility

Positioning Intelligence

Auto: Smart positioning that avoids screen edges (recommended) **Manual Options:** Top, Bottom, Left, Right for specific requirements **Collision Detection:** Automatically repositions if tooltip would be cut off **Mobile Adaptation:** Switches to optimal position on small screens

Timing Controls

Show Delay (300ms default): Prevents accidental tooltip triggers **Hide Delay (100ms default):** Allows mouse movement between icon and tooltip **Auto Hide:** Automatically close tooltip after specified time **Use Cases:**

- Long delay (500ms+) for busy forms
- Short delay (100ms) for frequently accessed help
- Auto-hide for temporary notifications

Content Enhancement

HTML Support

When enabled: Supports rich formatting with bold, italic, lists, and links **Security:** Automatically removes scripts and dangerous code **Supported Elements:**

- Text formatting: **bold**, *italic*, underline
- Structure: paragraphs, headings, lists
- Links: with automatic target=" _blank"
- Images: automatically resized to 50px max

Line Break Preservation: Converts plain text line breaks to HTML breaks **Use Case:** Perfect for multi-paragraph explanations and structured help

Advanced Actions

Redirect URL: Turn tooltip icon into navigation button **Security:** Only allows safe protocols (http, https, mailto, tel) **New Tab Opening:** Controlled opening behavior with security attributes **Power:** Create help icons that link to detailed documentation or training videos

Accessibility Excellence

Screen Reader Support

Aria Label: Descriptive text for screen readers **Default:** "Show tooltip information" **Customization:** Provide specific context like "Customer ID format help"

Keyboard Navigation

Tab Access: Icon receives focus in tab order **Activation:** Enter or Space key opens tooltip **Escape:** Closes tooltip from keyboard **Standards:** Follows WCAG 2.1 AA guidelines

Motor Accessibility

Large Click Target: Minimum 16px clickable area **Hover Tolerance:** Forgiving mouse movement detection **Touch Friendly:** Optimized touch targets for mobile devices

Advanced Configuration

Layer Control

Z-Index: Controls stacking order when multiple tooltips exist **Default:** 999999 (very high priority) **Use Cases:** Ensure tooltips appear above modal dialogs or complex layouts

Visual Effects

Backdrop Filter: Modern blur effect behind tooltip **Arrow Indicator:** Pointing arrow connecting tooltip to icon **Border Radius:** Control corner roundness from sharp to fully rounded **Animations:** Smooth fade and scale transitions

Power and Flexibility Scenarios

1. Dynamic Help System

- Store tooltip content in a separate **Configuration entity**
- Use **lookups** to link fields to help content
- Administrators** can update help text without developer involvement
- Multilingual support** through separate content records

2. Role-Based Guidance

- Use **business rules** to show/hide tooltips based on user roles
- Managers** see policy information
- End users** see simplified instructions
- Admins** see technical details

3. Process Guidance

- Sequential tooltips** guide users through complex processes
- Step indicators** using numbered custom icons (①②③)
- Progress tracking** by dynamically updating tooltip content
- Validation tips** that appear when data entry errors occur

4. Compliance Documentation

- Regulatory requirements** embedded directly in forms
- Policy references** with links to full documentation
- Audit trails** showing users acknowledged help content
- Training integration** with links to compliance courses

5. Interactive Documentation

- Rich HTML content** with formatted text and images
- Embedded videos** through HTML iframe support
- Multi-step procedures** with numbered lists
- External links** to detailed knowledge base articles

6. Brand Consistency

- Corporate colors** matching your brand guidelines
- Custom icons** using company symbols or emojis
- Consistent styling** across all organizational forms
- Professional appearance** that enhances user trust

7. Mobile-First Design

- Touch-optimized** icons with appropriate sizing
- Responsive positioning** that adapts to screen rotation
- Readable fonts** that scale appropriately
- Gesture-friendly** interaction patterns

8. Performance Optimization

- Lazy loading** of tooltip content
- Intelligent positioning** with minimal DOM manipulation
- Memory efficient** event handling
- Smooth animations** with hardware acceleration

Troubleshooting Common Issues

Tooltip Not Appearing

- 1. **Verify field logical name** matches exactly (case-sensitive)
- 2. **Check tooltip content** is bound to field with actual data
- 3. **Confirm form permissions** allow component loading
- 4. **Test positioning** - try different field types

Positioning Problems

- 1. **Use "Auto" placement** for most reliable positioning
- 2. **Check for conflicting CSS** from other customizations
- 3. **Verify field container structure** hasn't changed
- 4. **Test responsive behavior** on different screen sizes

Performance Issues

- 1. **Limit simultaneous tooltips** to 5-10 per form
- 2. **Optimize content length** for faster rendering
- 3. **Use efficient binding** to minimize data loading
- 4. **Monitor browser console** for JavaScript errors

This tooltip component transforms static forms into interactive, helpful experiences that guide users, reduce errors, and improve overall satisfaction with your Power Platform applications.