



INVENIA
SOLUTIONS

POWER BI CUSTOM VISUAL

ImageGallery

User Guide

Version 3.1

1 What ImageGallery is

ImageGallery shows a table of image URLs as a professional photo gallery inside Power BI, and produces share-ready photo reports.

With a single required field — a text column holding each image URL — you already get a browsable grid. From there you can add captions, a details panel in the viewer, cross-filtering with the rest of the report, and export to PDF and PowerPoint.

REQUIREMENT — The URL column must have the “**Image URL**” data category (*Column tools* → *Data category*). Images must be publicly reachable or reachable from your network.

2 Binding the fields (data wells)

Each field well controls one part of the visual. Only “Image URL” is required; the rest are optional.

Field well	What it does
Image URL (required)	The first column is each card’s main photo. You can add more columns : they become extra photos of the same record, viewable in the grid and the viewer via the “another photo” icon.
Grid line 1 / line 2	Up to two caption lines overlaid on each thumbnail (e.g. date and store).
Modal fields title	Header of the viewer’s side panel.
Modal fields	Fields shown next to the enlarged photo, in the order you place them here.
Export fields	Available as <code>{Field}</code> tokens in the PDF/PowerPoint templates, without showing in the gallery.
Photo export fields	Columns with extra-photo URLs to place into PowerPoint template placeholders (see section 7).

TIP — To make a record show several photos *on screen*, add its columns to “Image URL”. To also send them to PowerPoint, add them to “Photo export fields” too. They are two independent features.

3 The gallery (grid)

The grid fits the visual size and paginates automatically. Each thumbnail shows its captions and, on hover, an icon to open the image in the browser.

- **Open the viewer:** click a photo (or `Tab` to the thumbnail and `Enter`).
- **Several photos per record:** if a record has extra photos, an icon (a stack of photos) appears top-left on hover. Click it and the thumbnail flips to the next shot, with a discreet label of which one it is.
- **Cross-filtering:** `Ctrl`+click a photo to filter the rest of the report by that record; click again to clear.
- **Keyboard:** `Tab` into the grid, `Enter` opens, `Esc` closes, `Ctrl`+`Enter` filters.

4 The full-screen viewer

Opening a photo shows it full-screen, with a details panel on the right (title + modal fields). Empty fields are hidden.

Image tools

- **Zoom (Google-Maps style):** mouse wheel or pinch to zoom centred on the cursor; drag to pan, staying inside the frame. There is also a **magnify** button in the bottom toolbar. Double-click or `0` resets zoom.
- **Rotate:** a button in the bottom toolbar rotates the photo 90° per click (handy for wrongly-oriented phone photos).
- **Another photo:** if the record has extra photos, the top-left icon cycles through them, same as in the grid.
- **Navigate:** `←` `→` between records; `Esc` closes.

5 Format pane (options)

All of these live in the visual's **Format** pane.

Group	Options
Grid	Columns and rows per page.
Overlay	Caption background opacity, font size, and title/value/separator colors.
Viewer (modal)	Transition effect (fade, slide, zoom) and duration.
Buttons	Background, text color, border, radius and size of the export buttons.
PDF	Show/hide the button, button text, file name, page size, orientation, columns/rows per page and text fields.
Self-hosted service (optional)	URL and key of your own proxy and export service, for self-hosted Enterprise customers.

DESIGNER — In edit mode, the gear icon (top-left) opens the designers for the viewer panel, the PDF card, the page layout and the PowerPoint template. **Save** shows a “✓ Saved” confirmation and does not close the window — you close it when you're done.

6 Exporting to PDF

Click **Pdf** to generate a photo report using the card template and page layout you set in the designer.

- **Card designer:** define text zones over/next to the photo, with your fields.
- **Page layout:** size, orientation, photos per page, header with logo and footer with page numbering.
- **Delivery:** the file arrives through a single-use link; if the service is unreachable it falls back automatically to Power BI's native download channel.
- **Large exports:** from 150 images onwards you're asked to confirm before it starts.

7 Exporting to PowerPoint

Click **PowerPoint** to generate a `.pptx` from **your own corporate template**. You upload the template once; from then on, each export fills it with whatever is filtered at that moment. A sample template is already configured, so it works on the first click.

1) How it works: slots and groups

The export takes **one** slide of your template and **clones it once per group of records**, filling the placeholders with each record's data. How many records go on a slide is up to you: it's the number of **slots** you put on the slide. Each slot is identified by an **index** (`1`, `2`, ...).

- If the slide has placeholders with `1` only → 1 record per slide (it repeats once per photo).
- If it has `1` and `2` → 2 records per slide, and so on.
- On the last slide, any leftover slots are **removed cleanly** (no empty boxes, no visible placeholders).

2) Writing the template

In your `.pptx`, inside the template slide, you place two kinds of placeholder:

Type	How you write it
Photo	A text box whose only content is the placeholder: <code>{{photo_1}}</code> (synonyms <code>{{image_1}}</code> , <code>{{foto_1}}</code>). A picture placeholder whose name is <code>photo_1</code> / <code>image_1</code> / <code>imagen_1</code> also works.
Text field	Inside any text: <code>{{store_1}}</code> , <code>{{date_1}}</code> , <code>{{auditor_1}}</code> ... using your field name and the slot index.

INDEX RULE — All placeholders of the same slot share the same number: the photo `{{photo_1}}` and its texts `{{store_1}}`, `{{date_1}}` belong to record 1 of that slide.

3) Several photos of the same record (before / after)

A single record can contribute **several photos** to the slide (for example a “before” photo and an “after” photo). Here is how, step by step:

1. In your table, have **one column per extra photo**, each holding that image's URL (e.g. `Photo_before` and `Photo_after`).
2. In **Properties** → “**Photo export fields**”, drag those columns. (If you also want to see them on screen, add them to the “Image URL” well too.)
3. In your `.pptx`, add **one text box per photo**, each with its own placeholder. Name them however you like: e.g. `{{before_1}}` and `{{after_1}}` (or `{{Photo_before_1}}` / `{{Photo_after_1}}`).
4. Open the **PowerPoint designer** (gear → PPT template tab) and upload your `.pptx`. The designer detects every placeholder.
5. For each placeholder, pick the **column** that fills it from its dropdown. Fields coming from the “Photo export fields” well are flagged as a photo **automatically** (the camera button turns on by itself); for any other, turn it on yourself.

6. Export: each slide comes out with the main photo + before + after of the same record.

RECORDS MISSING A PHOTO — If a record has, say, no “after” photo, that box is **removed cleanly** on its slide: no grey rectangle, no visible placeholder.

4) The camera button (designer)

In the designer, next to each placeholder’s dropdown there is a **camera** button. When it’s on, that placeholder is treated as a **photo**: the visual downloads the image from the mapped field’s URL and places it in that box. When it’s off, the placeholder is filled as **text**. Rule of thumb: camera **on** for photo placeholders (the field must hold an image URL), camera **off** for text (store, date, description...).

5) Sample templates

If you don’t have a template, the PPT template tab offers **three downloadable models** to adapt to your brand in PowerPoint, and a “Use the sample template” button that loads the first one, fully configured:

- **One photo, one column** — one record per slide, a large photo + fields. The simplest; this is the one the button loads.
- **One photo, two columns** — two records per slide (slots `_1` and `_2`).
- **Two photos** — one record per slide with two photo slots (`{{Photo_first_1}}` and `{{Photo_second_1}}`): the before/after case.

8 Licensing and plans

Without a license the visual is fully usable in reduced form. Each paid plan unlocks a different part; the plans include a **30-day free trial**.

Free

No license

- Gallery up to 10 photos
- PDF and PPT: 10 photos with watermark
- Designers usable

Pro

€8 / user / month

- **Unlimited gallery** (removes the 10-photo cap)
- Export **still** capped at 10 and watermarked

Pro + Cloud Export

€18 / user / month

- Everything in Pro
- **PDF and PowerPoint with no cap or watermark**
- Cloud delivery of large PDFs

In short: **Pro** unlocks the **gallery** (viewing it without limits); **Pro + Cloud Export** unlocks the full **export** (PDF and PowerPoint with no cap or watermark). The watermark and caps apply only to export; the gallery is never watermarked.

POWER BI EMBEDDED — The store license does not apply in Embedded / Report Server. For now the visual runs there in Free mode; for a license in those environments, email support@invenia.es for a quote.

9 External services and privacy

The gallery, viewer, cross-filtering and designers all run **inside Power BI**. Only export may touch two optional INVENIA services (Cloudflare, EU data residency):

- **Image proxy (CORS):** used when your image host does not allow direct access. Only the image URL travels; nothing is stored.
- **Export service:** generates the PowerPoint and delivers large PDFs. It receives your template, the image URLs and the values of the fields you mapped to the placeholders. The generated file is deleted on download (and in any case after 24 h).

Each report generates a random **installation identifier** that isolates your content from other organizations'. Enterprise customers can point the visual at their own proxy and service. No cookies, no local storage, no telemetry.

10 Accessibility and administration

Accessibility: the gallery, viewer and designer are fully keyboard-operable; the designer is a focus-trapped dialog that closes with `Esc`. High-contrast mode adopts the system colors.

Administrators: if your organization has downloads from custom visuals disabled, the Power BI administrator can enable it in two minutes (even for a single group). The viewer links to the guide when it detects that block.

SUPPORT — Questions or issues? Email support@invenia.es or visit www.invenia.es. Full documentation in the Image Gallery support section.