

Experimental features

Experimental features are the features that are still under the development phase and not ready to be deployed into the actual software or product. It is a feature where the design is not finalized.

Rather than postponing them until subsequent releases of our software, we choose to include them in our software, but disable them by default (for production environments), while easily allowing you, the user, to enable them in experimental environments, play around with them, and [get back to use with feedback about your experiences](#).

Optional tabs

Pathomation's user interface is ribbon-based, so one way we hide experimental features from you is by commenting out sections of the ribbon definition. When you remove these comments, the new options appear automatically after refreshing your web-browser.

Pre-set annotations

This one is not as much experimental, as it is a tab that you do wish to customize for your own organization's needs. After playing with PMA.studio (and particularly its annotation features) for a while, it's common to develop a routine to annotate the same kind of slide annotations again and again. Examples include:

- I want to indicate necrotic regions on my slide, so I'm going to use a black line color, with a gray fill of % opacity
- I want to indicate circular areas with a 5mm diameter to indicate the most relevant areas for tissue microarray (TMA) preparation.

Conferencing

Experienced digital pathology users are aware that slide sharing through standard video conferencing tools like Zoom or WebEx is far from ideal.

PMA.studio can interface with both [PMA.core](#) and [PMA.live](#) to provide a better way to share slide-centric discussions.

Admittedly, we got into a bit of feature creep when designing this one, and it's not quite finished yet for prime time. Experimentally, though, it's a great resource already for team discussions, and we already hear from several customers that were pretty excited playing around with initial implementations.

So, rather than putting this one in the freezer, we're simply allowing you to enable it when you want to and play around with it. Then, let us know if this is (already) useful to you, and what edge conditions you'd like to have more control over.

Artificial intelligence (AI)

There's no question that everything artificial intelligence is smoking hot right now. All the big guys are doing it, so [why shouldn't we?](#)

Summarizing the above blog article; Pathomation doesn't want to come out with its own AI software, but it does want to offer a mechanism that allows data from different AI providers to come together in a single uniform interface.

This is where the [custom panels](#) come into play.

PMA.studio comes with an option AI ribbon tab that repeats relevant annotation capabilities from the [annotation tab](#), and provides interfaces to a number of well-known AI providers already.

But better yet: the interfaces that we offer this way are implemented through custom panels (following the “[take your own medicine](#)” principle). The code behind these is currently written in PHP, and can be used for study and to build your own interface to your own AI providers (or further extend the ones we offer (limited) support for already ourselves).

Persistent user features

See also

[Tab inventory](#)

[Available ribbon commands](#)

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<https://docs.pathomation.com/pma.studio/2.1.0/> - **PMA.studio 2.1.0**

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Last update: **2023/02/27 19:28**

