



# What's New in DraftSight 2019

DraftSight 2019 provides the following new features and improvements in its Professional & Enterprise versions.

Features which are available also in the free version are marked with an asterisk (\*).

## New Features:

- **Image Trace** [Command: `_VECTORIZE_IMAGE`]. Lets you to convert an attached raster image of BMP, JPEG, PNG file format into vectorized line entities.
  - Image profile types with pre-set setting values are provided for you to select when tracing the image.
  - Advanced settings allows you to adjust and fine tune the default values for better conversion quality and result. You can also save your custom settings to be re-used with similar image type.

*(P.S. For this release, Image Trace primary use cases and workflow are focusing on non hand-drawn architectural floor plans, logos and simple images with curves.)*

- **DraftSight/HomeByMe Integration** [Command: `DSHOMEBYME`]. [HomeByMe](#) is a 3D web-based design application for home and space planning. DraftSight/HomeByMe Integration supports two different workflows by allowing you to:
  - (Workflow #1) Browse and import a `.DSHBM` file (exported from HomeByMe) directly into DraftSight application to generate 2D floor plan drawings.
  - (Workflow #2) Login to HomeByMe website directly from DraftSight task pane Palette, open the project and generate 2D floor plan drawings.

*(P.S. Workflow #2 is not yet available for Beta testing.)*

- **Import SVG file (\*)** [Command: `IMPORTSVG`]. Lets you import a SVG format file into DraftSight and insert it as a Block.
- **Drawing Frame and Title Block Library** [Command: `TB_FRAME`]. Provides a set of predefined Frames and Title blocks according to engineering standard and lets you specify the size and scale.
- **Block Attribute Manager** [Command: `BLOCKATTRIBUTEMANAGER`]. Manages properties and settings of BlockAttributes in Block definitions.
- **Using Formulas in Table Cells**. Lets you use formulas in cells with arithmetic operators and the Sum, Average, and Count functions (to calculate values based on the values from other cells).



- **Trimming of Hatches and Gradients.** Lets you trim Hatches and Gradients with the Trim and PowerTrim commands. Divided Hatches and Gradients maintain associativity and remain as one entity.
- **Moving Entities by Click and Drag.** Moves entities into a new position much faster by clicking anywhere on an entity and dragging it with one mouse click.
- **Hairline Option for Printout (\*).** Sets a "hairline" linewidth in the Print dialog box used especially for laser cutter output.

### New Improvements:

- **Center Marks (\*)** [Command: CENTERMARK]. Display of center marks according to standards improved.
- **Layer: Viewport Layer Freezing (\*).** Freezes specified layers in new viewports on layout sheets (New VP Freeze option), or freezes selected layers only in the current layout viewport (VP Freeze option).
- **SVG scalable icons for HD displays (\*).** User interface icons scale seamlessly on high-resolution (4K) displays.
- **3D Mouse Support (\*).** Lets you use 3D Mouse models to navigate 2D or 3D drawings. You can simultaneously pan and zoom the drawing, and rotate the model.
- **New Ribbon Tab for "Import" (\*).** Consolidates all the "Attach" and "Import" tools of different file formats into a single, more intuitive and easy to find ribbon tab.

### API:

- **API enhancements.** Following are some enhancements to the API:
  - Get the toolbar ID.
  - Insert and modify curved text.
  - Access and modify custom entity.
  - Enhance the existing options for exporting drawing models or sheets to PDF files.