



ZWCAD 2017 SP3

Product Release Notes
ZWCAD PRODUCT TEAM

ZWSOFT | 2017/4/1

Thank you for downloading ZWCAD 2017 SP3

April 2017

Dear Friends,

We are proud to introduce ZWCAD 2017 SP3, the latest release of our ZWCAD product solution. SP3 is a major release with plenty of bug fixes in some areas of the product and we believe this enhanced version will help you become more productive.

This release delivers stability and efficiency testing, enhancements, bug fixes and limitations in ZWCAD 2017 SP3.

Sincerely Yours,
ZWCAD Product Team

Contents

Stability & Efficiency	3
Stability Monitoring	3
Vertical comparison:	3
Horizontal comparison:	4
Improving Stability	4
Efficiency monitoring	5
Vertical comparison:	5
Horizontal comparison:	5
New Features	7
3D Modeling Dynamic Preview.....	7
More Information Collected in Crash Report	7
New Commands	8
New System Variables	8
Improvements	9
API Improvements	9
Bug Fixes	10
Limitation and notes	11

ZWCAD 2017 SP3 Release Notes

VERNUM=2017.03.31(15430)

Stability & Efficiency

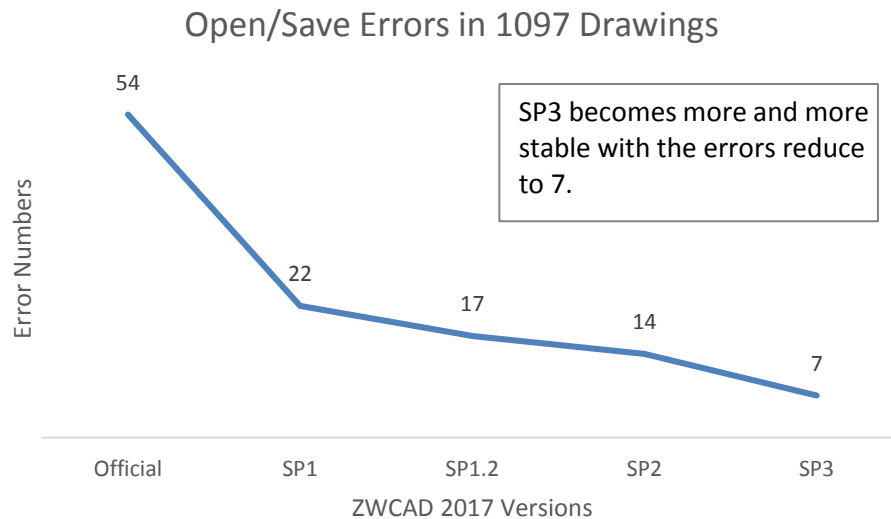
The following section describes the stability and efficiency testing in this release.

Stability Monitoring

Stability monitoring is one of the most important parts in product release, and throughout the automatic testing it is shown that SP3 becomes more and more stable compared in vertically and horizontally.

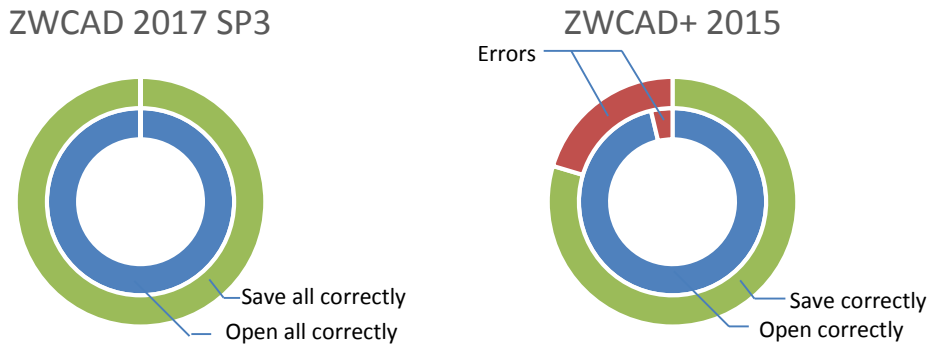
Vertical comparison:

We selected 1097 sample files to test the open and save operations, and there are 1090 passes. The error reduces to 7 from 14 in the last version as follows:



Horizontal comparison:

We selected 54 sample files which open and save slowly or take up much more memory in the automatic testing. And then compared the open and save results with ZWCAD+ 2015. The result shows that SP3 can open and save them without errors, as the following picture shown:



Improving Stability

Besides the above automatic testing for stability, we also try to improve ZWCAD stability by fixing special cases coming from our local market feedbacks and crash reports. The following crash issues are fixed in this release:

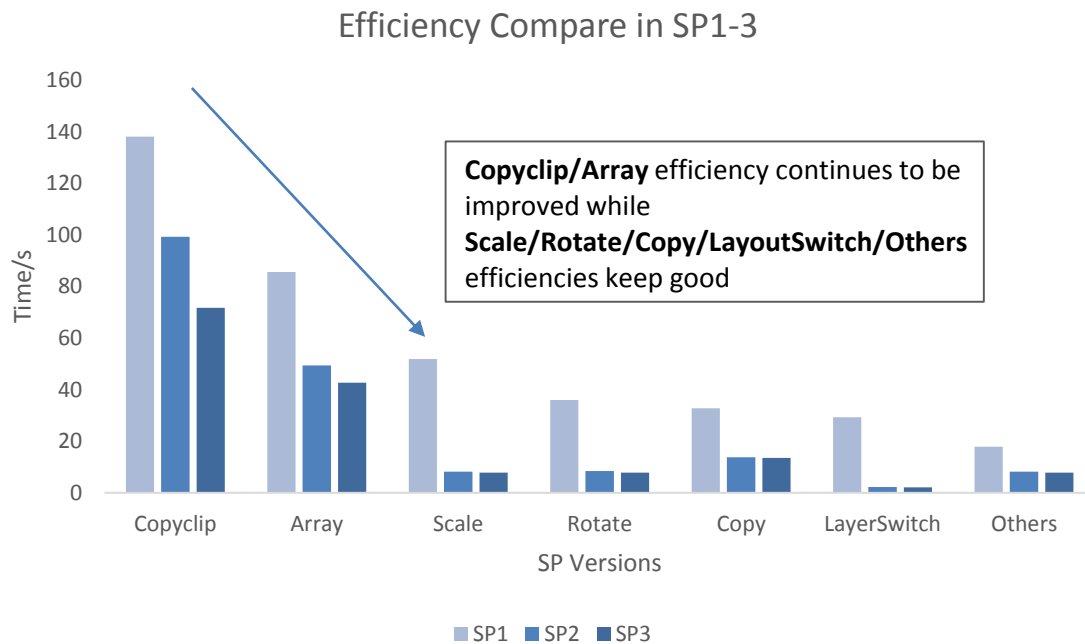
- Close program after operate Plot, Preview and Publish
- Edit hatch via Properties Panel
- Create or open file in Classic workspace
- Close file or program upon using LISP reactor
- Grip editing of entities upon using LISP reactor
- Starting program
- Grip editing of dynamic blocks

Efficiency monitoring

A new kernel has been developed to bring a better performance for ZWCAD 2017, which makes the efficiency for most frequently used operations, such as move, copy, rotate greatly improved. The new 64bit version brings the ability to deal with some really big drawings.

Vertical comparison:

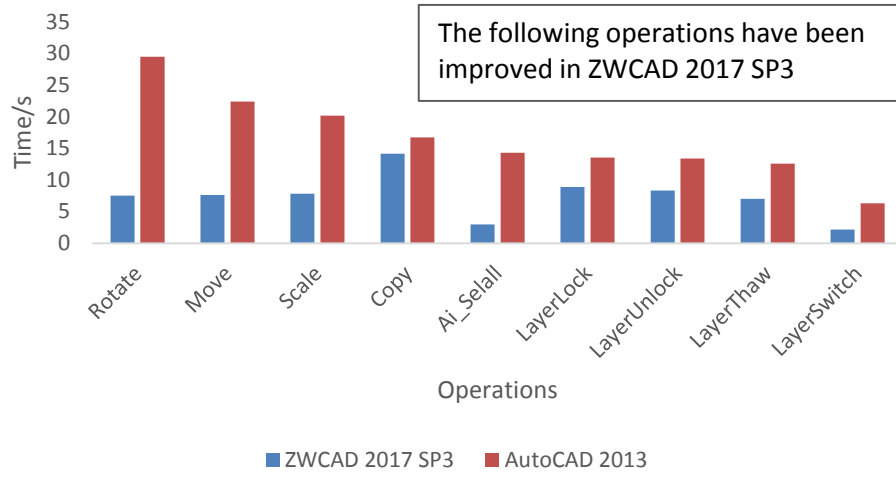
Operations: Frequently used commands such as rotate, move, etc.
Samples : 18 comprehensive drawings
Sizes : From 1M to 60M



Horizontal comparison:

Operations: Frequently used commands such as rotate, move, etc.
Samples : 18 comprehensive drawings
Sizes : From 1M to 60M

Efficiency Compare with AutoCAD 2013

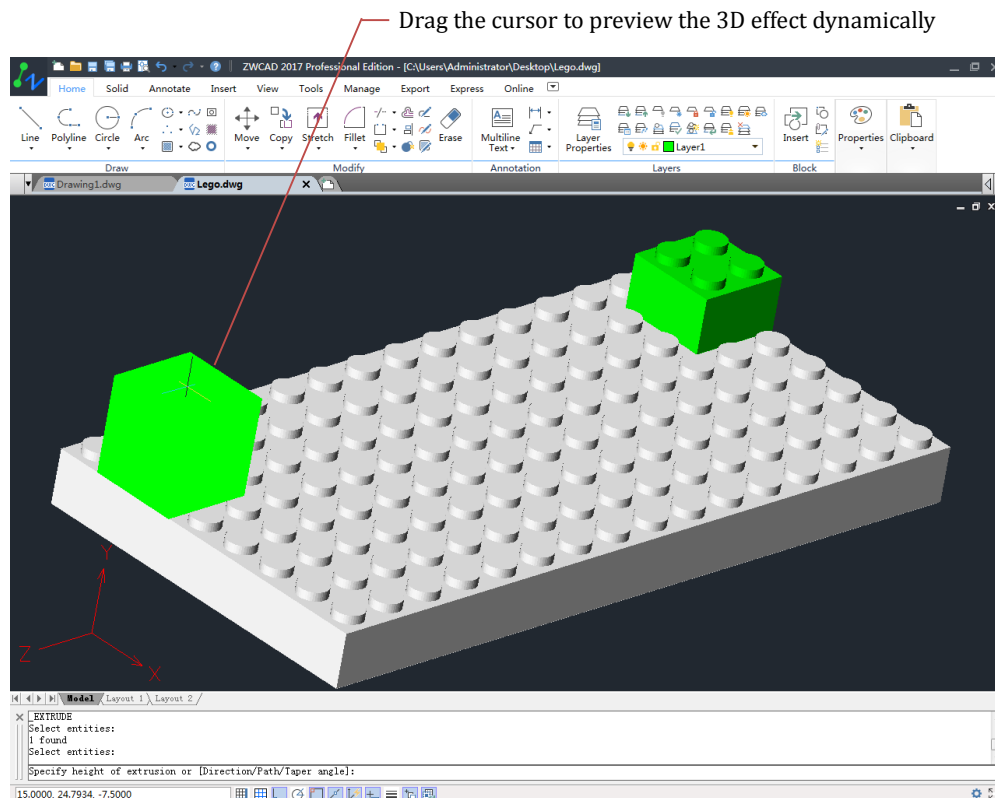


New Features

The following section describes the new features in this release.

3D Modeling Dynamic Preview

While using commands in Solid Menu, you can preview the 3D model in the drawing area. The previews are dynamic to show you their positions and sizes.



More Information Collected in Crash Report

The following items are added in the MAIN_CR.zcr of crash report (*.zip) :

- The start time of ZWCAD program
- The exception and time before crash
- The total time of ZWCAD running before crash
- ZWCAD version number (VERNUM)
- ZWCAD language version
- ZWCAD license type
- Operating System language

- Operating System location

With these information it could help to confirm the crash issue as quickly as possible.

New Commands

- There is no new commands added in this release.

New System Variables

- **MILLISECS:** Records the milliseconds during the operating system stated to execute this variable.
- **_ZCADSAFECMD:** Generates crash report when operation exception happens by setting it as 1.

Improvements

API Improvements

New functions in LISP:

No.	Function name	Modify
1	Acet-sys-shift-down	New
2	Vla-SetBlockAttributeValue	New

New functions in VBA:

No.	Method/Property name	Modify
1	Utility.GetObjectIdString	New

New functions in ZRX:

No.	Function name	Modify
1	IPropertyManager::GetDynamicProperty	New
2	IPropertyManager::GetDynamicPropertyByName	New
3	acedSyncFileOpen	New

New functions in .NET:

No.	Class/Method name	Modify
1	SelectionTextInputEventHandler	New
2	SymbolUtilityServices.ValidateSymbolName	New
3	ZcadTable.RegenerateTableSuppressed	New

Bug Fixes

There 612 bug fixes in ZWCAD 2017 SP3. The following list contains parts of bug ID and corresponding descriptions for issues fixed in this release.

Bug ID	Description
Open and Save	
7109	DXF: Cannot open the attached DXF file correctly
6927	Open: Opening the attached file crashes
User Interface	
6982	Layout: Shouldn't rename layout with the same name of Model
6992	Menuload: Parts of toolbar cannot be loaded
6596	Flyout: The triangle sign is not clear for flyout menu
Design	
6989	Block: Attribute is changed if layer of block changed
5690	Dgnimport: The result of import the attached DGN file is incorrect
2269	Purge: Purge on attached drawing causes ZWCAD crash
6900	Units: The surveyor's coordinates input in command line is useless
6811	Hatch: The result is incorrect using surveyor's units to setup angle
5222	Vports: The custom viewport is missing for attached drawing
6823	Block: The text changes position when copy the block
4658	Chamfer: Failed to chamfer to the pline in attached drawing
API	
7238	lisp: Incorrect result to read the style information with vl-cmdf
6781	Lisp: Error for sname to get the selection set from (ssget)
7126	VBA: FilterData cannot filt entity correctly
6771	ZRX: Exception using zcedInvoke to call the command defined by lisp
6768	.Net: SelectionTextInputEventHandler cannot be used

**For the complete list of bug fixes in SP3, you can visit the following website:*

<https://zwcad.freshdesk.com/solution/articles/24000005700-what-s-fixed-in-zwcad-2017-sp3>

Limitation and notes

The following section describes limitations and workarounds (where applicable) about this release.

Bug ID	Description	Fix
6006	Dim: Add an associated dimension to an object in a locked layer, after unlock the dimension loses association	Re-associate the dimension
2940	Properties: Cannot use Tab or Shift + Tab shortcut key to switch items in the Properties Panel	Click to switch items