

# Definiens XD 1.1.2

## Release Notes

DEEPER INSIGHTS  
FASTER RESULTS  
BETTER DECISIONS

[www.definiens.com](http://www.definiens.com)



## Imprint and Version

Document Version XD 1.1.2

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## Dear User,

Thank you for using **Definiens** software. We appreciate being of service to you with image intelligence solutions.

At Definiens we constantly strive to improve our products. We therefore appreciate all comments and suggestions for improvements concerning our software, training and documentation.

Feel free to contact us via web form on the Definiens support website  
<http://www.definiens.com/support/index.htm>.

Thank you.

## Legal Notes

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Protected by patents US 7146380, US 7117131, US 6832002, US 6738513, US 6229920, US 6091852, EP 0863485, WO 00/54176, WO 00/60497, WO 00/63788 WO 01/45033, WO 01/71577, WO 01/75574, and WO 02/05198. Further patents pending.

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## Overview

Definiens XD 1.1.2 is a recommended maintenance release for all customers running with Definiens XD 1.0. It contains many fixes which improve the overall stability of both the Definiens Clients and the GRID processing environment.

Customers wishing to migrate from Definiens Enterprise Image Intelligence™ Suite 7 should note that all significant bug fixes from the v7.0.7 and v7.0.8 are also incorporated into the Definiens XD v1.1.2 release.

Customers running XD 1.1.1 are only recommended to update if they are affected by one of the issues listed below.

## New Features

- SDK Extensions
    - Saving the current project.
    - Setting the active pixel coordinate.
    - Coordinate class.
    - Iterator class of objects of specific DMIClass.
    - Access to report functionality of the Engine (to enable it).
    - Access to variables.
    - Access to export specification and current output path for results of the project.
- Enable DICOM Import using the DiaMkWksp tool

## Bug Fixes

### *Client Fixes*

Bug-12705	Manual Image Object Cut: Cut lines were not properly displayed in 3D data sets
Bug-12732	Changing the perspective shows did automatically open the first slide in the workspace. This behavior is now only active when the TMA Grid View is opened and used.
Bug-12796	Scene List did not maintain scroll position when opening a project.

### *Engine Fixes*

Bug-12697	Fixed a crash when using multi-threshold segmentation on pixel level with image data that defines no-data regions
Bug-12709	Multi-threshold segmentation had a slow performance when executed on small objects in large images. The performance is now only dependent on the image object size and no

	longer on the size of the entire image.
Bug-12746	Due to a bug in 7.0.8, class filters for image object domains were not deleted for domains that do not support them. 7.0.8 Rule Sets with this incorrect internal settings were executed differently in XD 1.1.
Bug-12791	The result of algorithm synchronize maps had a one pixel shift for 3D objects when used together with region.

### ***Moving Data and Workspaces***

Bug-12775	Update path of processed scenes: This functionality did not work correctly for projects containing 3D objects.
Bug-12832	Paths to thematic layer files were not correctly updated when images were moved using the "Modify Open Project" dialog.

### ***File I/O***

Bug-12721	Crash when reading .asc files without file extension
Bug-12706	Mirax Driver does not properly scale on Multi Processor Machines with Mirax Slides having version 1.8 or older
Bug-12675	DICOM images cannot be read when SliceLocation is not present. To resolve this in this case the InstanceNumber tag will be used. A slice order check-box allows to import slices with ascending or descending slice order.
Bug-12692	Evotex-Flex files with 32Bit data can not be read. This is possible now.
Bug-12755	Linux Command Line Client did not properly generate summary csv file for the workspace. This got fixed.
Bug-12817	The computation of the slice distance uses the SliceLocation tag of DICOM files. In cases where this tag had the same value for all slices an incorrect slice distance value was computed. In this case the DCM_ImagePositionPatient is now used to compute the slice distance.

### ***Grid Stability***

Bug-12684	Export paths can get corrupted when testing a workspace programming ruleset locally in Developer. The affected rulesets can write intermediate results to the local hard disks of the server machines.
Bug-12751	The "append" option for csv files exports could cause duplicated result entries in case of failed jobs being resubmitted. It got replaced by a new "merge" option that does not create duplicated entries in case of failing jobs. In addition duplicated entries are now removed from csv files after job processing is finished.
Bug-12784	Project names were not displayed completely in exported statistics after manual editing steps. This was caused by incorrect storage of project names by the client.
Bug-12744	The Control Service on worker nodes was still called 1.0. This caused the uninstall routine to fail. The service name is now set correctly to "Definiens Control Service v1.1"

# Known Issues and Limitations

## *Known Limitations*

Limitation	<b>Licence Borrowing</b> License borrowing is not operational when borrowing from a Windows Vista client.
Limitation	<b>SUSE Enterprise 10</b> Service Pack 2 is required to access CIFS mounted file systems.

## Late Changes

Default distance calculation type has been changed from "Smallest Enclosing Rectangle" to "Center of Gravity".

An option "find uninitialized variables" was added to the Find & Replace dialog. When this option is enabled all variables that are used without prior initialization with the "update variables" algorithm are displayed in the search result. To prevent unpredicted behavior of rule sets it is strongly recommended to avoid the usage of uninitialized variables.

## Documentation Errata

Bug-12843	<p>The documentation states that copy maps supports copying of 3D regions. This is not the case. The documentation for the region parameter should e:</p> <p>Defines a region within the source map. Only this region will be copied into the new map (target map). This option is only available for 2D regions (xG, yG),[Rx, Ry].</p>
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## Additional Information

For additional information please contact [support@definiens.com](mailto:support@definiens.com)