

Definiens

Enterprise Image Intelligence Suite 7.0.9

Release Notes



Imprint and Version

Document Version 7.0.9 BLD 1113

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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

About Definiens Enterprise Image Intelligence Suite 7.0.9 BLD 1113

This is a maintenance release of the Definiens Enterprise Image Intelligence™ Suite. This release contains a number of maintenance fixes that improve the overall stability, reliability and performance of the Definiens Enterprise Image Intelligence Suite.

Earth Sciences Customers

This release is recommended for all new Earth customers. Existing customers are recommended to review the release notes and plan to upgrade as appropriate. This document contains only changes since 7.0.8. Customers who are upgrading from earlier versions should also review the corresponding release notes for these versions, particularly the 7.0.8 release which included a significant number of improvements.

Life Sciences Customers

This release is recommended for all new Life customers. Existing customers are recommended to review the release notes and plan to upgrade as appropriate.

Bug Fixes

The following fixes are included in the 7.0.9 BLD 1113 release.

Installation

Bug-12178	Uninstalling on windows did not delete all files. - still files under /opt/Definiens GRID Earth 7.0
Bug-12178	Users may inadvertently store data under the installation folder. A warning has been added to inform the user of the consequences of uninstalling. "De-installation will delete the entire installation folder. Please make sure that you have a backup of all user data that might be stored in the installation folder before you continue."
Bug-12702	Incomplete deployments of required libraries for Aperio driver. Missing IPP libraries.
Bug-12703	Linux installations did not automatically upload the appropriate default package. These had to be added manually using the administration console.
Bug-12708	Missing GDAL files on Linux installation. There's no folder gdal_data under "/opt/Definiens GRID Earth 7.0/bin/eCognitionEarthServer.7.0.8.1075/drivers/extras".
Bug-13022	GUI: Default path for customer data must not be Installation folder.

Licensing

Bug-12742	Definiens Viewer required licensing although it is now a free product. Licensing has been removed from installers and application.
Bug-12824	Licensing: HCA_Lib license 1.0 is not accepted by 7.0.8 package on 1.1.1 server.
Bug-12926	For backwards compatibility reasons EII software should be able to consume and equivalent XD license. - EII 7.0.9 packages should be able consume XD licenses (already implemented with 7.0.8) - EII 7.0.9 Clients should be able consume XD licenses - EII 7.0.9 Applications (Cellenger 2.0, TissueMap 2.0) should be able consume XD licenses
Bug-12992	TissueMap and Cellenger (HCA_Lib) license cannot be borrowed. Error message in Available Licenses column: Querying error: License server system does not support this version of the feature (-25,147)
Bug-13003	EII client should be able to borrow XD licenses.

Grid Processing and Stability

Bug-12913	Grid Admin Console, restart grid service duplicates uploaded package entries.
Bug-12474	Linux: Job result shows ok although nothing is exported. E.g. to a non mounted folder.
Bug-12696	ODBC export can be slow. Replace direct script based ODBC export using export specs by a native exporter in C++ implemented in the engines.
Bug-12711	The engine can creates dpr files on worker nodes which can result in running out of disk space and crashes.
Bug-12797	No error message when wrongly uploading an XD package to an EII Grid.
Bug-13051	Potential cascading jobs while tiling and stitching.
Bug-12520	Product configuration not updated on submit job. Users have to reset each time manually.
Bug-10261	Job scheduler html page; missing link and error message for Firefox browser.

Life Connectivity

Bug-10261	Applied imaging connector cannot load in fluorescence data from export. A new command line tool is to be provided to create multipage TIFFs.
Bug-12757	Connector: Applied Imaging: CRASH when creating thumbnail of image data when using newer files from applied imaging.
Bug-12869	Molecular Devices Discovery 1 predefined importer can result in an incorrect plate layout e.g. 1536 well plate
Bug-12953	Mirax version 1.11 images may fail. Mirax viewer software must be updated on all clients and processing nodes.
Bug-13024	Slow performance predefined import for Applied Imaging folders – Developer may hang due to zoom cache issues.
Bug-13058	Connector: Bacus: open files are not closed after finishing processing which can lead to processing instability.

Developer Crash

Bug-12560	Attempt to create a new layer with the same name can lead to crash if the algorithm tries to overwrite existing invalid object.
Bug-12716	Crash in ASC driver if image file has no extension.
Bug-12954	Crash when using the sample brush when using the samples brush for an extended period. Due to memory leak.

User Interface

Bug-12955	Cannot close Project/Developer without saving project.
Bug-12768	Tools: Options: Save temporary layer: layers are not set although option is set to yes

Export

Bug-12740	Data I/O: thematic raster export does not work when class_names column name was empty in exported .img
Bug-12712	Algorithm: Export View: RndrBlock runs out of memory while exporting image view
Bug-12752	Project statistics may be duplicated if a job is resubmitted due to a temporary processing failure. This is due to the default behavior of append. This default has been changed to merge.

Vector Handling

Bug- 12574	Loading of complex shape files has become much slower than in 7.0.6.
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Workspaces and Workspace Programming

Bug- 12576	Workspaces dpj files can grow very large for certain image data like Aperio and applied imaging data.
Bug-9872	Rollback all exported .csv files are not deleted.
Bug-12729	Workspace programming stitching does not stitch all processed tiles

Known Issues and Limitations

Known Limitations

Limitation	Licence Borrowing License borrowing is not operational when borrowing from a Windows Vista client.
Limitation	Rasterization overlaps may occur due to pixel overlap Starting with v7.0.8 Definiens software included an improved vector thematic layer rasterization procedure, eliminating overlapping areas between polygons touching each other. Rasterization overlaps may occur due to pixel overlap, if vector polygons have very sharp angles

Prerequisite	Libexpat needs to installed on Linux Systems Starting with v7.0.8 Definiens software requires libexpat to be installed on linux systems for proper operations. This is normally the case, but has to be done explicitly for SUSE EP 10.
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Additional Information

For additional information please contact support@definiens.com.