

# Definiens

## Enterprise Image Intelligence Suite 7.0.10

### Release Notes



## Imprint and Version

Document Version 7.0.10

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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 via support at <http://www.definiens.com/support> or [support@definiens.com](mailto:support@definiens.com).

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 Enterprise Image Intelligence™ Suite 7.0.10 is a **recommended** maintenance update for Definiens Life Sciences customers using who do not at present wish to move to Definiens XD. .

All new customers are also advised to take this latest release. Customers using versions prior to 7.0.x are advised to contact [support@definiens.com](mailto:support@definiens.com) for additional advice on the upgrade process.

This document contains only changes between 7.0.9 and 7.0.10. Customers who are upgrading from earlier versions should also review the corresponding release notes for these versions.

The key benefits of this release include:-

### *Key Benefits*

- Improved stability and general bug fixes for production users.
- Improved reliability for Linux GRID processing
- Improved memory management

A complete list of bug fixes and new features can be found in the following sections of this document.

## New Features

Definiens Enterprise Image Intelligence Suite v7.0.10 is maintenance update and therefore contains few new features.

Category	Ref	Description
Import	14929	8 bit png with transparency needs to be available as export format.
Processing	15169	Job Scheduler: needs mode for sequential Job Processing

## Bug Fixes

The following fixes are included in the 7.0.10 release.

Category	Bug Ref	Description
Linux	15340	Linux Suse10.2 has file size limit of 2GB when using XFS file system.
Linux	10365	LINUX: The Job Scheduler is incorrectly started on worker nodes
Linux	15131	Linux:Jobscheduler.dat file can get corrupted after many quick restarts.
Linux	10665	Linux: Using the Server in "no config service" mode does not work
Linux	8325	DIACmdClient on Linux: sqlite3: Can't commit transaction: database is locked.
Import	13212	Aperio driver cannot be loaded in the debug mode
Import	13211	Linear scaling is wrong for mirax slides with a lot of empty space.
Import	14510	Import of 20.000 *.frm images takes 10x longer in 7.0.9 than in previous versions.
Crash	14405	Crash opening projects caused by memory management.
Crash	14251	Crash on 2nd execution of a particular rule set.

Crash	14217	Crash: on loading TTA Mask with existing Class-Hierarchy. Lock ClssTreeCtrl while deleting class hierarchy for updates.
Tiling and Stitching	14235	Image layers of tiles do not fit together due to shifting.
Viewer	14151	Viewer: Portals are incorrectly requesting licenses.
Processing	13477	Changed memory allocation strategy to similar to XD to avoid certain allocation bugs.
Processing	13223	Zoom cache is wrong for images with BDI interface.
Processing	15168	Engines can consume too much memory due to incorrect memory management.
Processing	13754	Out of memory errors submitting large Cellenger jobs.
Algorithm	11946	Algorithm: Segmentation: 32bit values: low values are not correctly segmented.
Algorithm	13497	Developer segmentation shifted.
Export	13125	Crash exporting objects with Global NoData values.
Export	14321	Export Results: Features are not exported as attributes.
Client	16244	Client does not start on win 2000 if mirax viewer is not installed.

## Known Issues and Limitations

### *Known Limitations*

Limitation	<b>Licence Borrowing</b> License borrowing is not operational when borrowing from a Windows Vista client.
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## Late Changes

None

## Documentation Errata

None

## Additional Information

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

# Upgrading to Definiens Enterprise Image Intelligence™ Suite v7.0.10

Definiens Enterprise Image Intelligence Suite 7.0.10 is compatible with other versions of Definiens Enterprise Image Intelligence Suite 7.0.x. Your existing license server and licenses remain unaffected. The following provides a high level overview of the upgrade process for moving from a 7.0.x environment to 7.0.10.

## ***Step 1: Preparation***

- Review these release notes and any limitations carefully.
- Agree an update plan with your user community including scheduled maintenance downtime.
- Download new software from the [customer download centre](#).

## ***Step 2: Create backups of key information***

It is prudent with any changes to your environment to have a backup of your existing environment in case of problems. It is recommended you take backups of the following before updating your environment.

- Backup existing rule ware or applications
- Backup any customized importer definitions from your users clients
- Backup your administration console data
- Backup any customized packages you have deployed to your GRID

## ***Step 3: Install updated Definiens client software***

You may install the new version of the client software together with the existing version. This is recommended as you can uninstall the older versions at a later point in time.

## ***Step 4: Wait for GRID to finish processing and shutdown Job Scheduler service***

- Monitor the job scheduler until submitted jobs have been completed
- Once jobs have been processed shutdown the job scheduler service on the head node

## ***Step 5: Uninstall your previous GRID Installation***

- Use the uninstall program to remove the existing GRID installation

## ***Step 6: Install Definiens GRID 7.0.10 software***

- Install the new version of the Definiens GRID on your head node.

**Step 7: Post Install**

- Upload and re-deploy any older or custom packages to your GRID and worker nodes.
- Test your environment is functioning correctly
- Notify your users they can recommence production operations

If you are using a version before 7 then please contact [support@definiens.com](mailto:support@definiens.com) for further advice on your upgrade path.