Amira Manual

1 Amira

Version	Amira 2020.2
Modules	XBioFormats, XImagePAQ, XMesh, XSkeleton

License Type Floating at license server (1 user at a time)

1.1 How to use

To use Amira software there are three options:

- using Workstation 1 via Remote Desktop Connection (follow Section 2)
- using desktop computer in IMCF facility (reservation for OA2 is needed)
- using personal computer by installing Amira software locally (follow Section 3)

For the first 2 options you need two reservations in IMCF booking system (for Workstation 1 and Amira or for OA2 and Amira). To use Amira locally you need only one reservation for Amira License.

To use Remote Desktop Connection you must be in the internal BIOCEV network (locally or by VPN). Connect by VPN to the internal network using the manual at intranet.biocev.org/. Users outside Faculty of Science, BIOCEV, must ask IMCF staff (dalibor.panek@natur.cuni.cz) for access to RDC and VNC services. Please provide your BIOCEV user name for access via VPN and/or IP address for direct access from computers at BIOCEV.

To use Amira on your computer you must be in the internal BIOCEV network.

2 Workstation by Remote Desktop Connection

To use Workstation 1 you have to have reservation in the IMCF booking system (currently Ceitec booking system). This Workstation has multiple softwares for data analysis - Amira, Imaris, MatLab, Icy and FIJI, which can be accessed by Remote Desktop Connection. To use Amira you have to have separate reservation for the Amira license as well.

2.1 Instructions

Instructions to connect to Workstation 1 by Remote Desktop Connection:

Computer (IP address): 10.11.17.55

User name: User Workstation 1

Password: imcf

You may need to click on **More choices** and **Use a different account**, in case the user name filled does not match desired user name. Password is submitted after pressing Connect. In a warning message about the identity of the remote computer you should connect anyway.

- X	Windows Security X
Domoto Dockton	Update your credentials
Remote Desktop Connection	These credentials will be used to connect to 10.11.17.55. Clicking OK will overwrite your previous credentials.
<u>C</u> omputer: 10.11.17.55 ~	Imaris
User name: Imaris	Password
Saved credentials will be used to connect to this computer. You can edit or delete these credentials.	More choices
Show Options	OK Cancel
(a) Remote Desktop Connection.	(b) Password submission.
Semote Desktop Connection	Windows Security X
The identity of the remote computer cannot be verified. Do you want to connect anyway?	Enter your credentials
The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.	These credentials will be used to connect to 10.11.16.60.
Certificate name	share
Name in the certificate from the remote computer:	Password
WIN-66IVURKCIHJ	MicrosoftAccount\share
Certificate errors	Remember me
The following errors were encountered while validating the remote computer's certificate:	More choices
A The certificate is not from a trusted certifying authority.	share MicrosoftAccount\share
Image: state of the second state of	
View certificate Yes <u>No</u>	OK Cancel

(c) Warning message.

(d) Use a different account.

3 Amira installation locally

To access the Amira license at a license server you must be connected to the internal BIOCEV network (either locally in BIOCEV or by VPN - manual at intranet.biocev.org/).

3.1 Instructions

Instructions to install Amira on your local computer:

Download Amira here.

Install Amira.

After starting Amira, License Manager will be loaded. In License Manager choose **Use FNP license** server checkbox.

Fill in IP address 10.11.16.248 in FNP license server window.

Press Activate.

🔤 License Manager 🛛 🕹 🗙			
Amira 2020.2 License Manager Reconfigure Activation Licensing			
For improved license management, Amira now uses an activation system based or FlexNetOperationsOnDemand technology.			
Your license can be directly activated on your local system if you have purchased a node-locked license, or through a FlexNet Publisher (FNP) license server if you are using floating concurrent licenses. Please ask your license administrator for details.			
First, please specify if you are using an FNP license server, or if your licenses should be directly activated on your local system.			
Use online local activation Select this option if you have local (node-locked) licenses and your computer will have internet access for license activation.			
Use offline local activation Select this option if you have local (node-locked) licenses and your computer will not have internet access for license activation.			
Use FNP license server: Select this option if you have one or more floating (concurrent) licenses.			
FNP license server: 10.11.16.248 Test			
the application must be restarted after a recordinguation.			
Help Cancel			

(a) License Manager.

4 Fair Use

Amira can be used by one user at a time. Start Amira only after your reservation has started. If previous user is still using Amira, then a warning message about no valid license will be seen. As checking in (returning) the licenses from previous user to the license server may takes some time, exit the application and try again after couple of minutes (max. 3). If even after restarting the application after 3 minutes you still cannot use all the licenses, contact the IMCF staff, administrators can manually check out the license.

If your session is ending (has ended) save your files and exit the Amira application. If you do not, administrators from the IMCF can take away your license and you may lose your progress and work.

5 Tips

When using the Workstation save your files locally on the D: Disk Drive, as the transfer from SCRATCH is slower and the usage in software may be slowed down by accessing files on Network Drives.

To access Amira on Workstation you can use Virtual Network Computing (as described in General manual for remote access at the IMCF website). However, using RDC when possible is strongly advised as RDC is more user-friendly and offers better resolution.