Manual for Amira Access

IMCF

January 2022

1 Basic information about Amira

Version	Amira 2021.1
Modules	XBioFormats, XEMToolBox, XImagePAQ, XLVolume
	XLite, XMolecular, XPand, XToGoPublisher
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, OA2, OA4 via Remote Desktop Connection (follow Section 2)
- using OA2, OA4 as a desktop computer in IMCF facility
- 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, OA4 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 Calpendo 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

User data for connection to Workstation 1 by Remote Desktop Connection:

Computer (IP address):	10.11.17.55
User name:	User Workstation 1
Password:	imcf

User data for connection to OA2 by Remote Desktop Connection:

Computer (IP address):	10.11.16.62
User name:	User OA2 Amira
Password:	pama

User data for connection to OA4 by Remote Desktop Connection:

Computer (IP address):	10.11.16.66
User name:	User OA4
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.

Remote Desktop Connection - X	Windows Security X	
	Update your credentials	
Remote Desktop		
Connection	OK will overwrite your previous credentials.	
Computer 10.11.17.55	Imaris	
	Password	
User name: Imaris		
Saved credentials will be used to connect to this computer. You can <u>edit</u> or <u>delete</u> these credentials.	More choices	
Show Options Connect Help	OK Cancel	
(a) Remote Desktop Connection	(b) Password submission	
Semote Desktop Connection X	Windows Security X	
The identity of the remote computer cannot be verified. Do	Enter your credentials	
you want to connect anyway?		
The remote computer could not be authenticated due to problems with its	These credentials will be used to connect to 10.11.16.60.	
security certificate. It may be unsafe to proceed.	share	
Certificate name	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	
Do you want to connect despite these certificate errors? Use a different account		
Don't ask me again for connections to this computer		
View certificate Yes No	OK Cancel	
(c) Warning message	(d) Use a different account	

3 Amira installation on your personal PC

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 click on Activate button
- Select License server
- Fill in IP address 10.11.16.248 in FNP license server window.
- Press Activate

In case of any issues with connection of the license server try to specify a port together with the IP address $10.11.16.248{:}27000$



(e) Thermo Scientific License Manager



(g) License Server IP



(f) Select License Server



(h) Successful activation

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.