**Connect to Imaris in Matlab**

The functionality of ImarisLib can be accessed from Matlab as from Java. Here is an example code of how to connect to a running instance of **[Imaris](file:///C:\\Program%20Files\\Bitplane\\Imaris%20x64%208.1.2\\html\\xtinterface\\namespaceImaris.html)** (the Matlab working directory must be set to *imaris\_installation\_folder/XT/matlab*, where **ImarisLib.jar** is installed):

**Example in Matlab:**

function aImarisApplication = **GetImaris**

javaaddpath ImarisLib.jar;

vImarisLib = ImarisLib;

vObjectId = 0; % this might be replaced by vObjectId = **GetObjectId** (see later)

aImarisApplication = vImarisLib.GetApplication(vObjectId);

As the first **[Imaris](file:///C:\\Program%20Files\\Bitplane\\Imaris%20x64%208.1.2\\html\\xtinterface\\namespaceImaris.html)** instance that registers itself to the Server is assigned to ID zero, an aObjectId equal to zero will work in most of the cases. ImarisLib.jar grants access to the Server; this can be useful in case of multiple instances of **[Imaris](file:///C:\\Program%20Files\\Bitplane\\Imaris%20x64%208.1.2\\html\\xtinterface\\namespaceImaris.html)** are started.

**Example in Matlab:**

function aServer = **GetServer**

javaaddpath ImarisLib.jar;

vImarisLib = ImarisLib;

aServer = vImarisLib.GetServer;

The list of the valid IDs can then be listed.

**Example in Matlab:**

function aObjectId = **GetObjectId**

vServer = [**GetServer**](file:///C:\Program%20Files\Bitplane\Imaris%20x64%208.1.2\html\xtinterface\index.html#getserver)

int vNumberOfObjects = vServer.GetNumberOfObjects;

for vIndex = 0:vNumberOfObjects-1

aObjectId = vServer.GetObjectID(vIndex);

break // work with the ID, return first one (replace this line by "disp(aObjectId)" to display all the object ids registered)

end

! ../../Imaris.exe id101 &

API: In computer programming, an application programming interface (API) is a set of routines, protocols, and tools for building software and applications. In Imaris this is in: file:///C:/Program%20Files/Bitplane/Imaris%20x64%208.1.2/html/manual/index.html?bptoolsdialogqt.html