



**Advanced Supercomputing Hub for OMICS Knowledge  
in Agriculture**

**Help to Access Discovery Studio v- 4.1**

**Centre for Agricultural Bioinformatics**

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website: [www.cabgrid.res.in](http://www.cabgrid.res.in)



## With Discovery Studio you can:

- Investigate and test hypotheses in *silico* prior to costly experimental implementation, thus reducing the time and expense involved in bringing products to market
- Drive scientific exploration from target identification to lead optimization with a wealth of trusted life science modeling and simulation tools
- Leverage an open and scalable platform to automate processes, create and deploy custom workflows, and integrate data types, databases, and third-party or in-house tools
- Enhance personal productivity and boost team collaboration by enabling researchers to share data and make better informed decisions

## System Requirements

### Discovery Studio

- Windows Vista, Windows 7, Windows 8 or Windows Server 2008
- Mac OS X 10.7 or later.
- Linux: RHEL 5.0 or later. SUSE 10.2 or later. Fedora 6 or later.
- 32 or 64 bit
- 1 GB RAM required
- 2 GB RAM recommended
- 1024 x 768 display required
- 1600 x 1200 display recommended

### *Special requirements for the 3D Molecule Viewer System requirements*

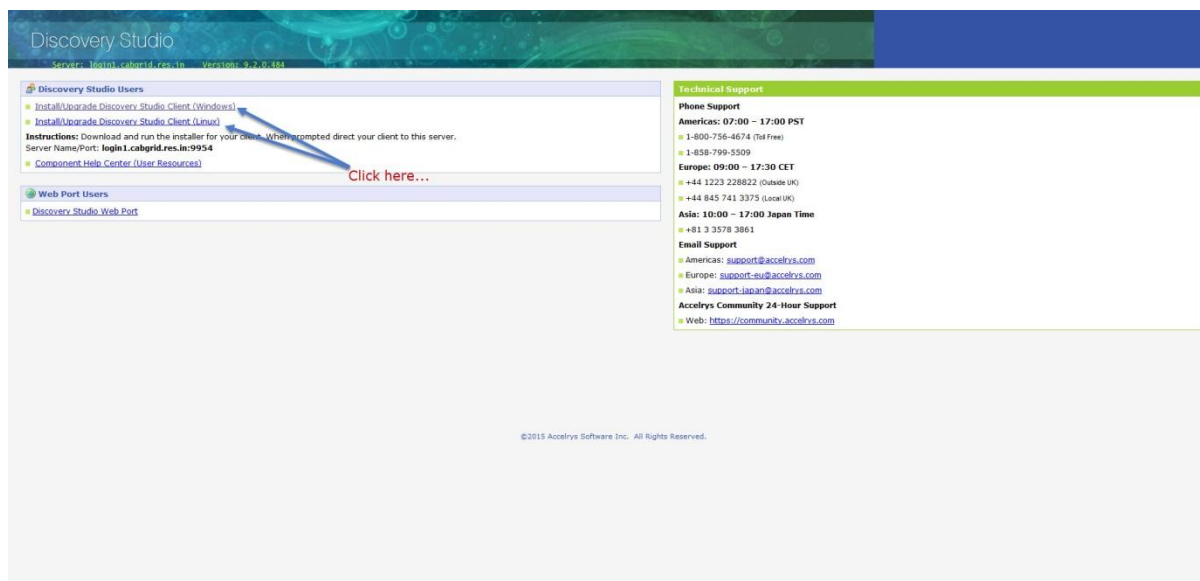
- A graphics card capable of supporting OpenGL 2.0.
- Updated graphics drivers. Please make sure the latest driver for the graphics card is installed.

### *System Recommendations*

- A discrete graphics card from either Nvidia or AMD/ATI. Modern integrated graphics cards (such as the Intel HD Graphics series) may also be used, but these are usually slower than the discrete cards.
- A 64-bit client version is recommended for working with large complexes.

# How to install and use the Discovery Studio Software

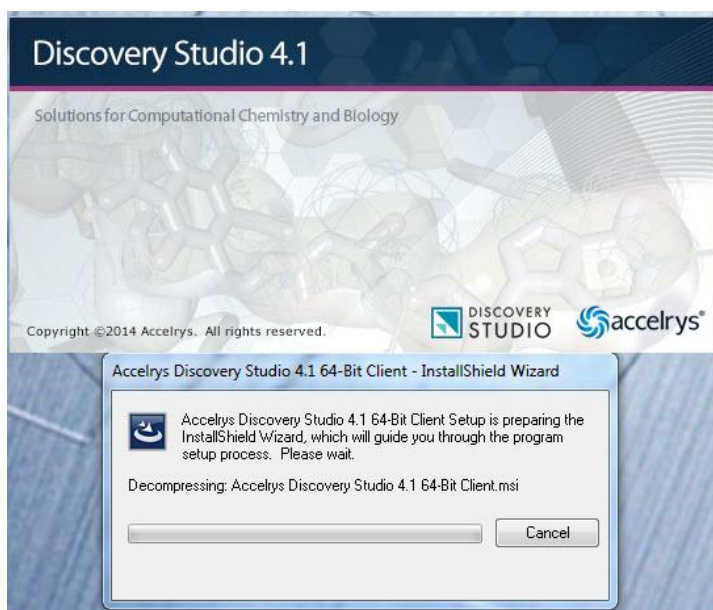
**Step 1: Download and run the installer for Discovery Studio client. When prompted direct your client to this server. (URL: <http://login1.cabgrid.res.in:9955/DS/>)**



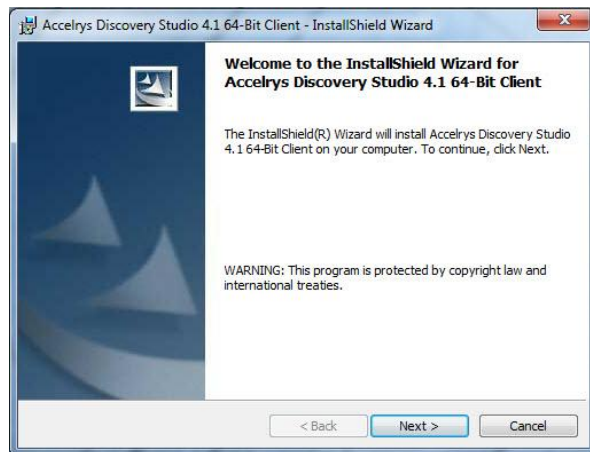
**Figure 1.1:** The Discovery Studio Version: 4.2 showing you for download.

**Step 2: Installation and Configure license server connection *Discovery Studio*.**

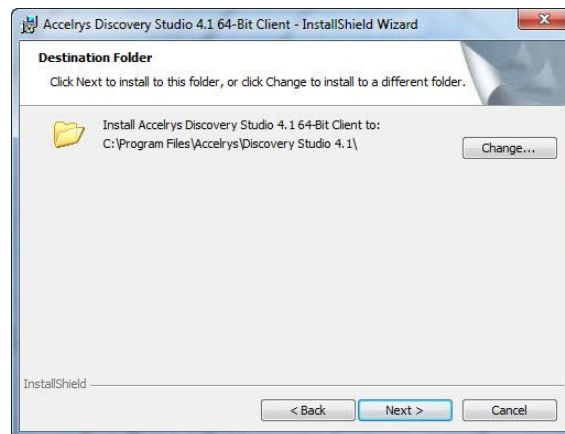
1. **Locate the installation file. It has a filename like this:**  
(DS41Client.exe)
2. **Double-click this file. Extract the Setup, The installation will now start.>>>>**



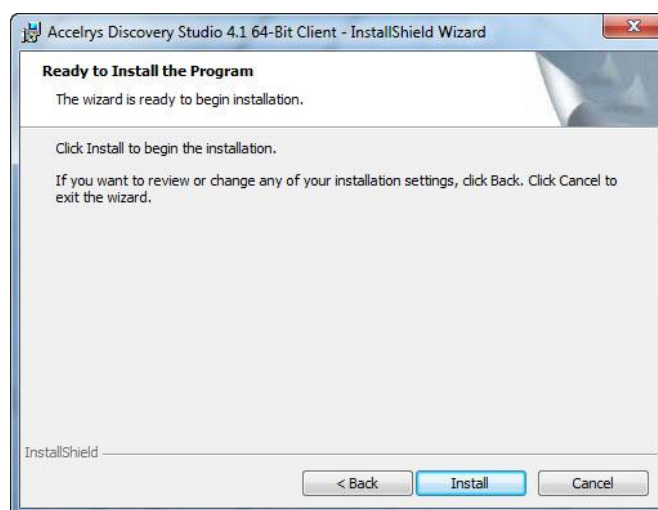
3. **The first page states that the installation files need to be 'I accept the Agreement' . Click Next >**



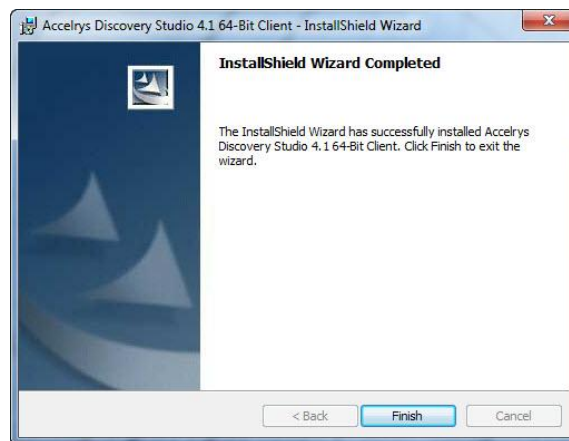
4. **Select the "directory" options where you want install or for default setting. Click Next > Next for default installation**



5. **Select the "Install" options. Click Next >**

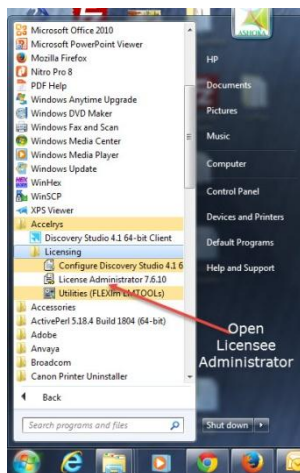


6. **Wait until the installation completes. Click Finish.**



## Step 2: License Installation and Grid server configuration.

- I. Once DS client installation completes, **GoTo>> Start>Acceleys>License> Right Click on License Administrator 7.6.10 and RUN AS ADMINISTRATOR**



- II. **You will get the license Administrator Window, After the license installation check the server status are connected or not. as shown in fig. below.**

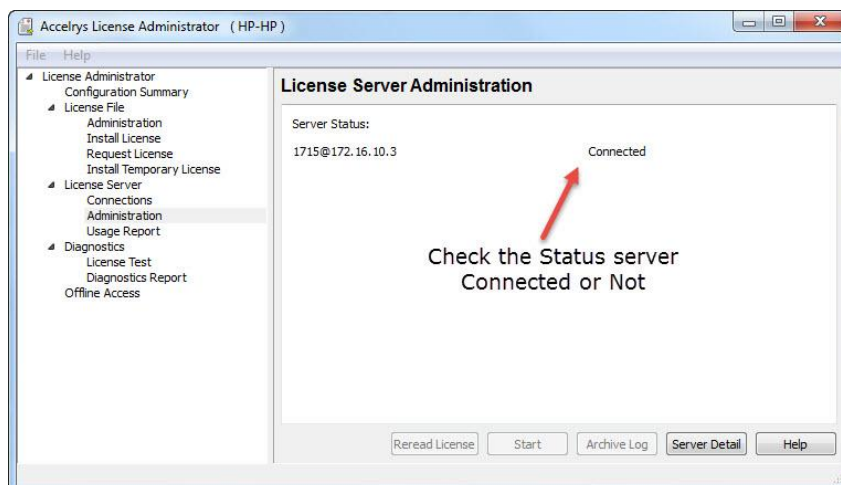
**Click on Connection→Click on SET→Enter IP address OR Host Name of DS license server (Example172.16.10.3)**

**In this step DS client machine unable to connect the DS License server, please ping DS server IP address and HOST NAME.**

**If ping command not working, please add DS License server IP address and HOST NAME in your local client machine host file. Ex: open Host file in local client machine add following IP address**

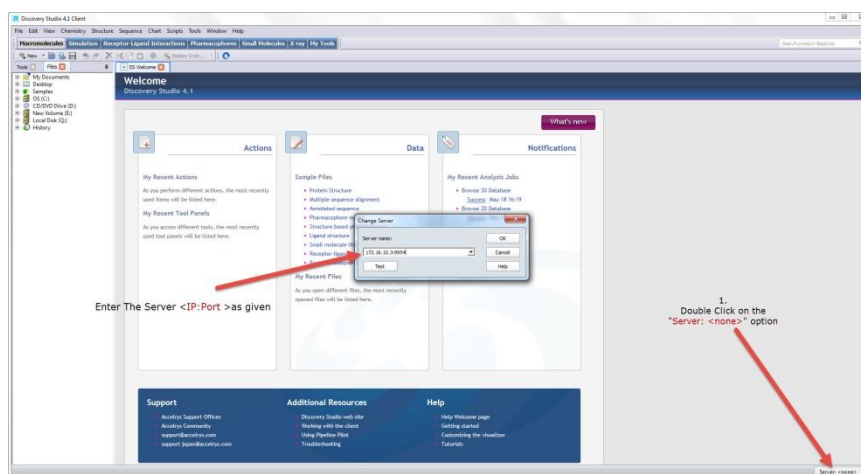
**172.16.10.3 login1.cabgrid.res.in**

**It should show CONNECTED.**

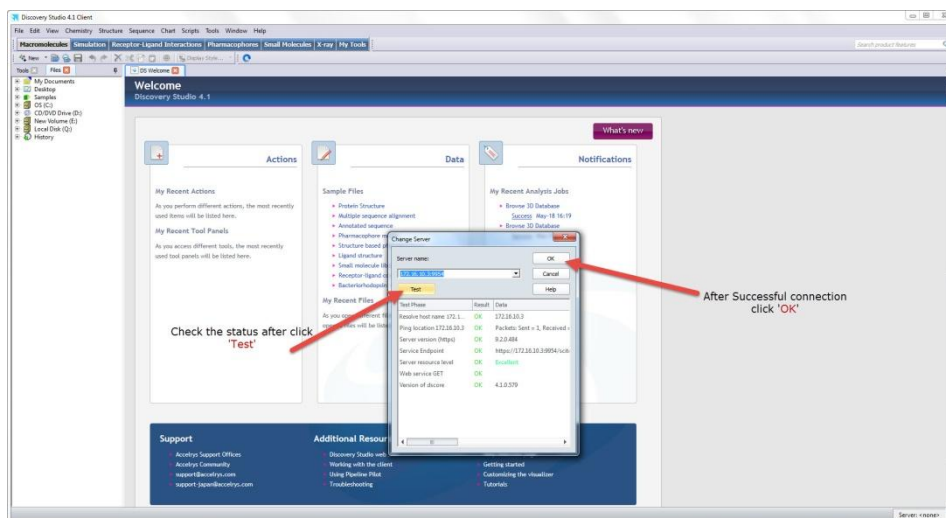


III. Now open Discovery Studio then click the Server given right below at DS panel and enter server details as fig. shown below (<https://login1.cabgrid.res.in:9954>)

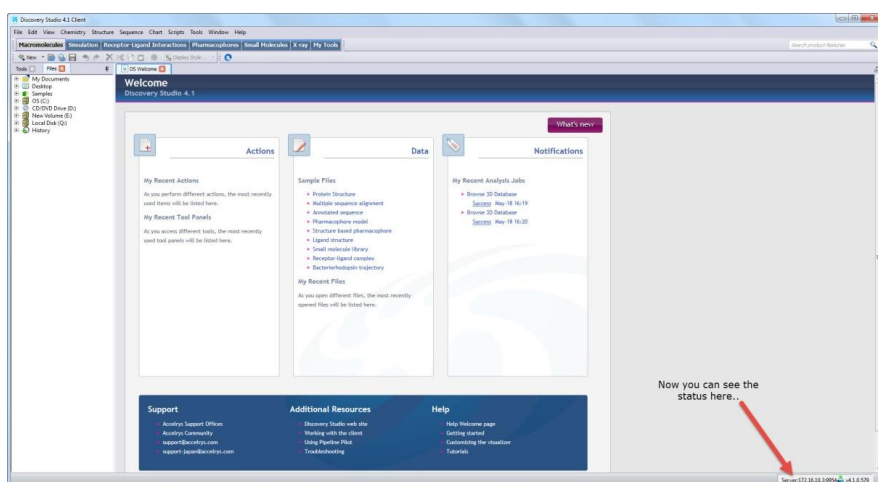
Now open DS client Go to → Right hand side corner, click on <Server None> → Enter DS server IP or Host Name click on OK.



IV. Test the server IP/port status. 'Click to Test button'>>>



V. Looks like after successful server connection. shown in figure below. For assistance, contact your system administrator.



Once test done, Go to DS client page → View → Explorer (Make check mark on all component). Now start using Discovery Studio.

Now your Discovery studio client are installed successfully. If any assistance you can right us.

**For further suggestions/queries:**

Send an email to [biocomp@iasri.res.in](mailto:biocomp@iasri.res.in) or [hd.cabin@iasri.res.in](mailto:hd.cabin@iasri.res.in)

**THANK YOU**