



Advanced Supercomputing Hub for OMICS Knowledge in Agriculture





Centre for Agricultural Bioinformatics

ICAR - Indian Agricultural Statistics Research Institute Library Avenue, Pusa, New Delhi - 110012 (INDIA) website: www.cabgrid.res.in



Discovery Studio



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: <u>http://login1.cabgrid.res.in:9955/DS/</u>)

Discovery Studio Server: Notific caberral results. Version: 9:2:0:444	
Discovery Studio Users	Technical Support
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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.

License Administrator Configuration Summary. License File Administration Instal License Request License Instal Temporary License License Server Connections Administration Usage Report Diagnostics License Test Diagnostics Poly Diagnostics Diagno	License Server Administration		
	Server Status: 1715@172.16.10.3 Check the Status server Connected or Not		
	Reread License Start Archive Log Server Detail		

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.

Discovery Studio 4.1 Client				
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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 <u>right</u> <u>us</u>.

For further suggestions/queries: Send an email to <u>biocomp@iasri.res.in</u> or <u>hd.cabin@iasri.res.in</u>

THANK YOU