

# Get started

ADCI-BGQ is a plug-in in the ADCI software, enabling you to take advantage of the IBM Blue Gene/Q (BGQ) supercomputer located in Toronto, Canada to significantly expedite processing samples and estimating radiation doses.

## Install JRE

To use ADCI-BGQ, one prerequisite is that a JRE (Java Runtime Environment) is installed on your computer. To install a JRE, perform the following steps:

1. If you are using 64-bit Windows, download [jre-8u192-windows-x64.exe](#). If you are using 32-bit Windows, download [jre-8u192-windows-i586.exe](#).
2. Double click the downloaded file, and follow the prompts to finish the installation process.

## Get access to the BGQ server

To use ADCI-BGQ, one prerequisite is that you have an account on the BGQ server, which authorizes you to use the storage space and run jobs.

Your account consists of a user name and a password for logging in. After logging in, you will have two top-level directories ('home' and 'scratch'). The 'home' directory has a smaller storage capacity and is backed up regularly; the 'scratch' directory is larger but not backed up. For more knowledge about the BGQ file system, visit <https://docs.scinet.utoronto.ca/index.php/BGQ>.

To obtain an account, please contact Dr. Peter Rogan ([progan@uwo.ca](mailto:progan@uwo.ca), Tel: 1-(519) 661-4255).

## Install ArcGIS

To use the Kriging functionality of ADCI-BGQ, the ArcGIS software developed by the ESRI company needs to be first installed on your computer. To install ArcGIS, perform the following steps:

1. Check whether your organization already has an ArcGIS Desktop license. If yes, go to Step 2; if no, go to Step 3.
2. Follow the specific means of your organization to install ArcGIS. Your organization may provide USB installation kits that you can borrow; or you can log in to your ESRI account and download the software (you need to first register an account if you do not already have one, and your account needs to be associated with your organization before you can download).
3. Request your organization to subscribe to ArcGIS. Learn more at <https://learn.arcgis.com/en/projects/set-up-an-arcgis-organization/>.

## Run ADCI-BGQ

To start the ADCI-BGQ plug-in in the ADCI software, click the 'ADCI-BGQ' menu item under the '(to be determined)' menu.