

BioGrids Quick Start

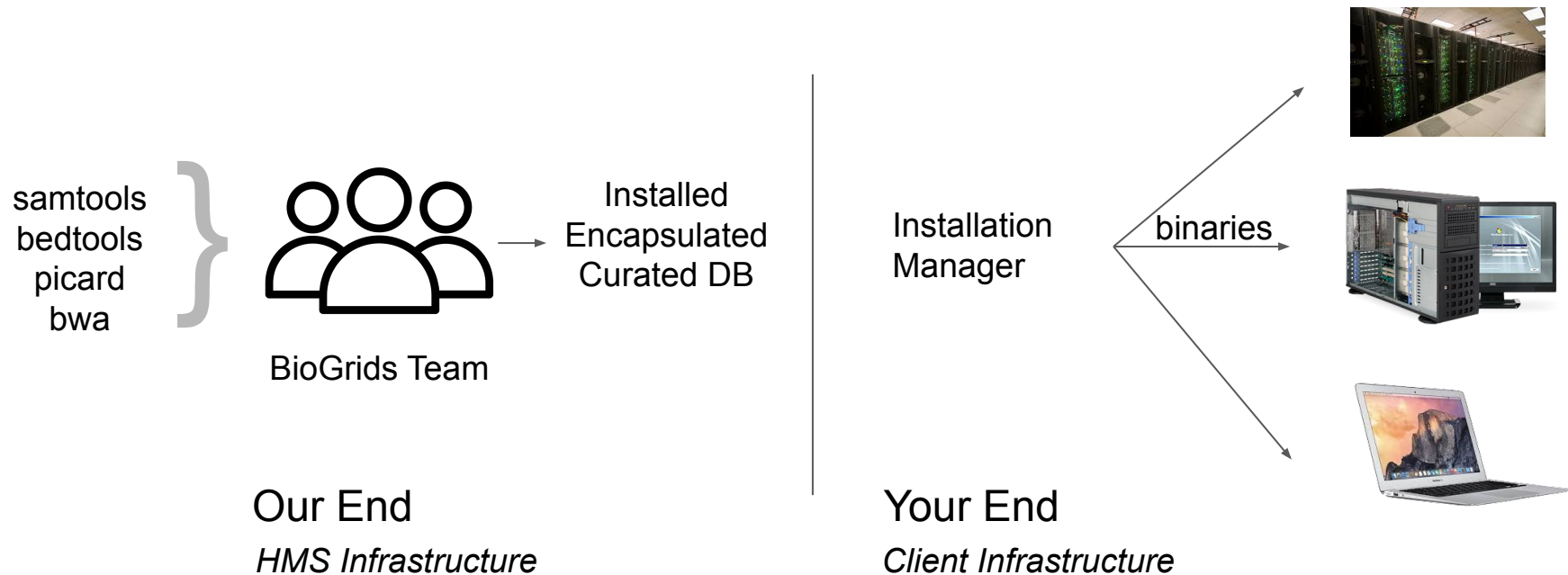
James Vincent James_Vincent@hms.harvard.edu May 1, 2022



Three Easy Pieces

- 1) Register and download
- 2) Activate
- 3) Install BioGrids software

How It Works - Academic Software Platform



Register for Biogrids

You must register in order to activate the installer client.

Users of the BioGrids CLI client get their own BioGrids username.

<https://biogrids.org/registration/register/>

Download the BioGrids Client Installer

Full instructions: <https://biogrids.org/wiki/Home>

All downloads: <https://biogrids.org/wiki/downloads.md>

Activate the CLI Installer

```
./biogrids-cli activate <your site> <sbgrid username> < your key>
```

Example:

```
$ ./biogrids-cli activate biogrids-production jvincent4 NddNy8OgrTTig-rQ7g
```

Your site name, user name and key are emailed to you upon registration.

Install Software

```
$ ./biogrids-cli install samtools
```

Use Software

```
$ source /programs/biogrids.shrc
```

```
$ samtools
```


Handy SBGrid Tools

- `biogrids-info -l samtools`
 - details about a particular title, including version and name of override variable
- `biogrids-list samtools`
 - lists callable executables for that title

GUI Installation Manager

Welcome to the Installation Manager

To activate the installation manager please enter your activation credentials.

[Activate with a single activation key](#)
[Register](#)



BioGrids



SBGrid

Activate

HPC Cluster

biogrids-cli in cron job using 'admin' mode:

0 4 * * * /programs/sbgrid/x86_64-linux/biogrids_installer/latest/biogrids-cli admin

- all titles installed
- periodic check for updates
- updates on demand

Site Installation vs Client Installation

Site Installation

- multi-user HPC
- all titles
- periodic updates
- cron job
- multiple versions supported

Client Installation

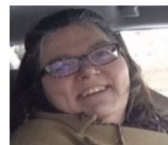
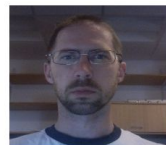
- personal computer
- select titles
- update on demand
- no cron job
- multiple versions supported

Academic Software Platform

@ Harvard Medical School

BioGrids Software

SBGrid Software



Academic Software Platform

@ Harvard Medical School

BioGrids Collection

568 Life Sciences titles

High-Throughput Sequencing

Genomics

Proteomics

Visualization

SBGrid Collection

468 Structural Biology titles

Crystallography

NMR

Electron Microscopy

Computational Chemistry

Structure Visualization & Analysis



BioGrids By The Numbers

Previous Year

297 Users | 22 Sites

SBGrid Numbers:

3059 Users | 917 Sites | 37 Countries

Cite BioGrids

If your use of BioGrids compiled software was an important element in your publication, please include the following statement in your work:

Software used in the project was installed and configured by BioGrids:
(cite: eLife 2013;2:e01456, Collaboration gets the most out of software.)

Get Help

help@biogrids.org

OR

<https://biogrids.org/help>