

Environment setup for Cell Ranger

This section is primarily based on the instructions provided by this website: [setup-and-install-cellranger](#).

1. Download and unpack the Cell Ranger file in any directory. In this example, we will use `$HOME/opt` :

```
mkdir -p $HOME/opt
cd $HOME/opt
```

2. Download cellranger from [10xgenomics](#) :

```
wget -O cellranger-8.0.1.tar.gz "https://cf.10xgenomics.com/releases/cell-exp/cellranger-8.0.1.tar.gz?Expires=1725683732&Key-Pair-Id=APKAI7S6A5RY0XBWRPDA&Signature=e0PXD1vEBDioK~mLi39txS90verKWBrbq-45dr9mZ61t1gbJXW4q3DIjRy58EXxs4yI6E8~xbvePYd60zvALcsXyUGQfDZkWbbxCM~J9B1IyZxCJcdkgdzBT1w7uTHpar3WnwfgsHT70VVVMjRBu7r8MglmVW7oHUqZGEVsSqRma3J5GSjN6uwKmfsXkyds4KHgAhFIuFnZGKLUH6~akARXPy2iKKIiHyV8vui5~0nd0VSq1QQtJMRwnb04CzPPT~Wmg5Qi9wI4-UmN~d1QZkM~VElrAj~Va3GcNitL6~boa1AXnTKTUBoUM5UpEPI-u5mY0DA5jRumydfN1y6xFQ__"
```

Then, unpack the downloaded file:

```
tar -xzf cellranger-8.0.1.tar.gz
```

3. Before running the Cell Ranger commands, make sure to prepend the Cell Ranger directory to your `$PATH` , allowing you to invoke the cellranger command from any location:

```
export PATH=$HOME/opt/cellranger-8.0.1:$PATH
```

You may want to add this command to your `$HOME/.bashrc` for convenience.