



DRAGEN Decompression v2.5.5 Software Release Notes

September 30, 2020



Introduction

These release notes detail the initial release of Illumina's DRAGEN Decompression software, which decompresses *.fastq.ora files that have been compressed using DRAGEN Compression software.

The v2.5.5 software package includes a binary installer that is compatible with the following Linux distributions:

- Centos 6 or later
- Ubuntu 10.10 or later
- Debian 7 or later
- Red Hat Enterprise Linux 6 or later
- Fedora 14 or later

SW Installation Procedure

Use the following steps to install the DRAGEN Decompression software:

1. Untar the archive

```
tar -xzvf orad.2.5.5.tar.gz
```
2. Change to the Orad directory

```
cd orad_2_5_5
```
3. Move the executable to your preferred location

```
mv orad ~/bin/orad
```
4. Add Orad to your PATH
For example:

```
echo 'PATH=$PATH: ~/bin' >> ~/.bashrc  
source ~/.bashrc
```
5. Move the oradata folder and its content to the home repository

```
mv oradata ~
```

If you prefer to store the folder in a different location, you can specify the chosen path in the `ORA_REF_PATH` environment variable:

```
mv oradata ~/otherlocation/  
export ORA_REF_PATH=~/otherlocation/oradata/
```

Known issues

The ora file format supports concatenation of files, e.g. with :

```
cat file1.fastq.ora file2.fastq.ora > concatenated_files.fastq.ora
```

The "concatenated_files.fastq.ora" is a valid ora file whose decompression will yield the concatenated contents of file1 and file2.

However, printing the file's statistics with option `-i` on the concatenated file (`orad -i concatenated_files.fastq.ora`) will print erroneous information.