

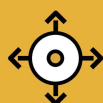
# ARRA on Cloud

## Advanced Reconstruction for Radiation imaging (ARRA)

ARRA is an image reconstruction solution that embraces all medical imaging devices, such as PET, SPECT and CT. The concept of ARRA is designed for tomographic imaging researchers who need to apply high performance image reconstruction tool to their research without special entry barriers. Now, ARRA can be used regardless of the physical computing environment. Just connect to our website.



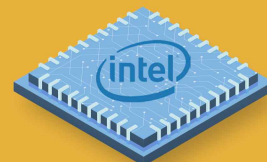
**General purpose**  
CT / PET / SPECT



**Expandable**  
FBP / MLEM / OSEM



**Efficiency**  
Auto optimization



## Features

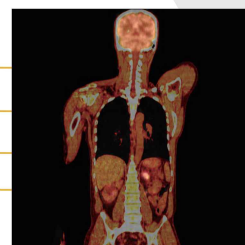
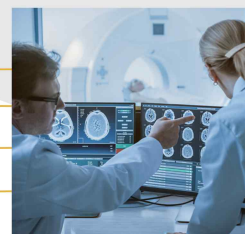
Parallel processing using openMP and openMPI

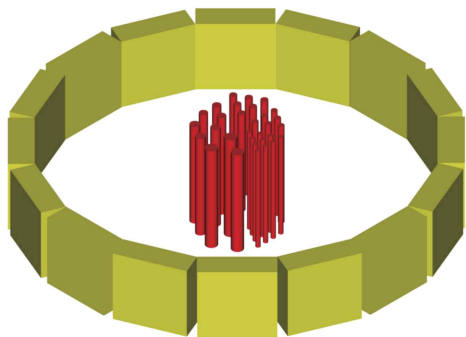
Hybrid job scheduler

Projection, backprojection and EM based iterative reconstruction for 2D and 3D



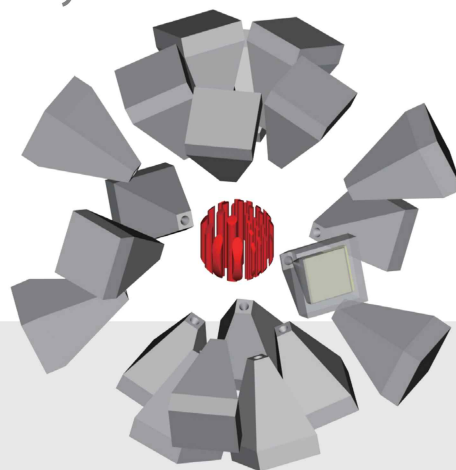
- Cost
- Management
- Performance



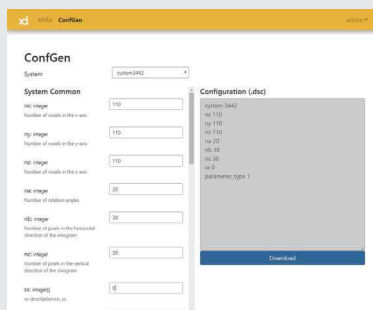


Conventional cylindrical geometry

User defined geometry

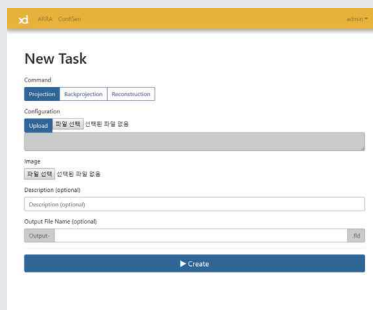


## 4 steps to perform ARRA on Cloud



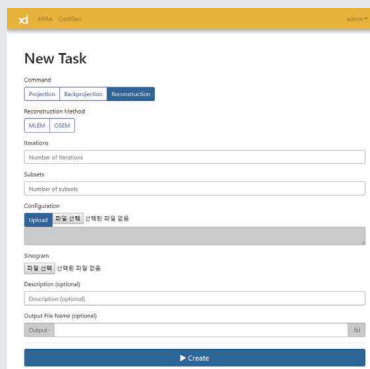
### 1. Generate your configuration file

Follow the guide to create a configuration file. We support devices such as CT, SPECT and PET. You just need to inform ARRA about the configuration of your system.



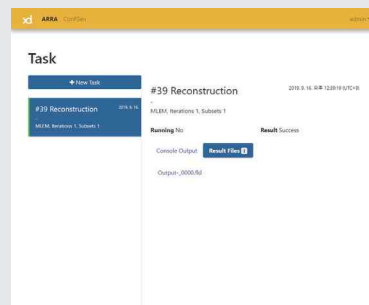
### 2. Upload your sinogram and configuration

You only need to click the appropriate configuration and sinogram.



### 3. Select your work

Choose the preferred task to run on our cloud.



### 4. Download the result

You can download your results anytime, anywhere.

**ARALE laboratory**

Rm636, Korea University R&D Center, Seoul, Korea

**www.aralelab.com**

P. +82 (02) 929-1711