

GENOA JOBSPOOLER

A GENOA client may send remote analysis jobs to a central GENOA job server. Using a spooling architecture for job queues, this may provide efficient parallel job performances and management of hardware resources. The jobs are processed as a whole and are not broken up into partial jobs like MPI and other parallel job methods. Therefore the job spooler works on a global macro level where it sends an executable job to be performed completely on a specific target workstation.

- ✓ Remote job runs without consuming local client resources.
- ✓ Handle large number of jobs (100+).
- ✓ Virtual Job Server capability allows job distribution to multiple servers.
- ✓ May use secured username & password logins.
- ✓ Supports full breadth of 2D/3D composite architectures and features available in MCQ and GENOA
- ✓ Any GENOA simulation that can be parallelized is automatically split with Jobspooler.
- ✓ Files are automatically sent back to local machine (no FTP client needed)
- ✓ Ideal management and tracking of analysis resources.

Key Benefits

- Faster solution to multiple simulations.
- Organized job monitoring.
- Files automatically sent back to local machine.
- Easy to setup.
- Installing license on one server with multiple processors
- Multiple clients can submit jobs for analysis.

System Requirements

- Windows 2000/XP/Vista/7/8/10 (64-bit) or Linux (64-bit)
- Java 1.7 minimum Runtime Libraries
- Java3D 1.5

Minimum Configuration

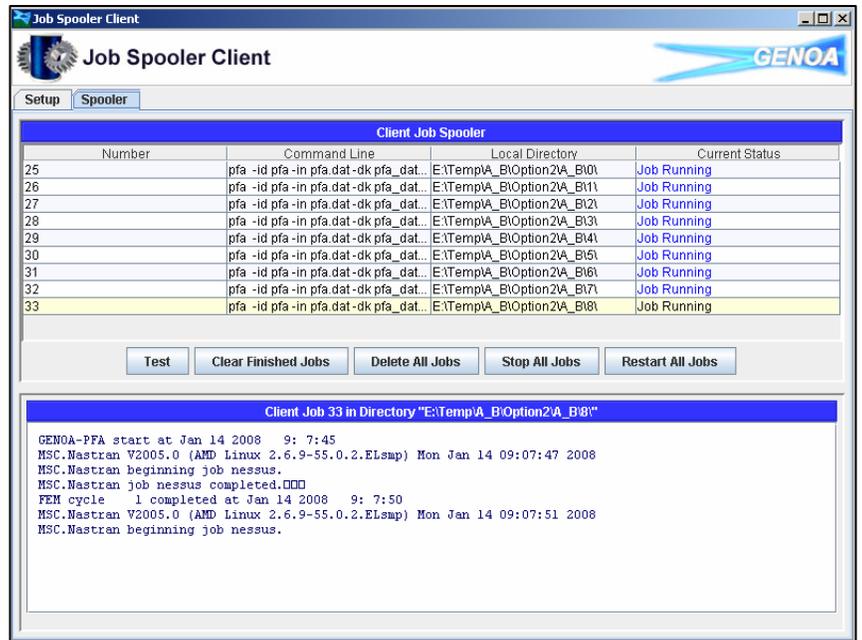
With the minimum configuration, performance and Functionality may be less than expected.

- 1 GHz or higher CPU, 1GB RAM, 10GB disk space

Easy Setup

Parameter	Value
CLIENT	
Client Name	Pandora
SERVER	
Server IP Address	129.199.0.43
Server Port Number	5476

Keep Track of all Jobs Easily



Number	Command Line	Local Directory	Current Status
25	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\01	Job Running
26	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\11	Job Running
27	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\21	Job Running
28	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\31	Job Running
29	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\41	Job Running
30	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\51	Job Running
31	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\61	Job Running
32	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\71	Job Running
33	pfa -id pfa -in pfa.dat -dk pfa_dat...	E:\Temp\A_B\Option2\A_B\81	Job Running

```

Client Job 33 in Directory "E:\Temp\A_B\Option2\A_B\81"

GENOA-PFA start at Jan 14 2008  9: 7:45
MSC.Nastran V2005.0 (AMD Linux 2.6.9-55.0.2.ELsmp) Mon Jan 14 09:07:47 2008
MSC.Nastran beginning job nesusus.
MSC.Nastran job nesusus completed.□□□
FEM cycle  1 completed at Jan 14 2008  9: 7:50
MSC.Nastran V2005.0 (AMD Linux 2.6.9-55.0.2.ELsmp) Mon Jan 14 09:07:51 2008
MSC.Nastran beginning job nesusus.
  
```

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