DevRID

Grid Computing based Distributed Build System

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정 재현
김 승현

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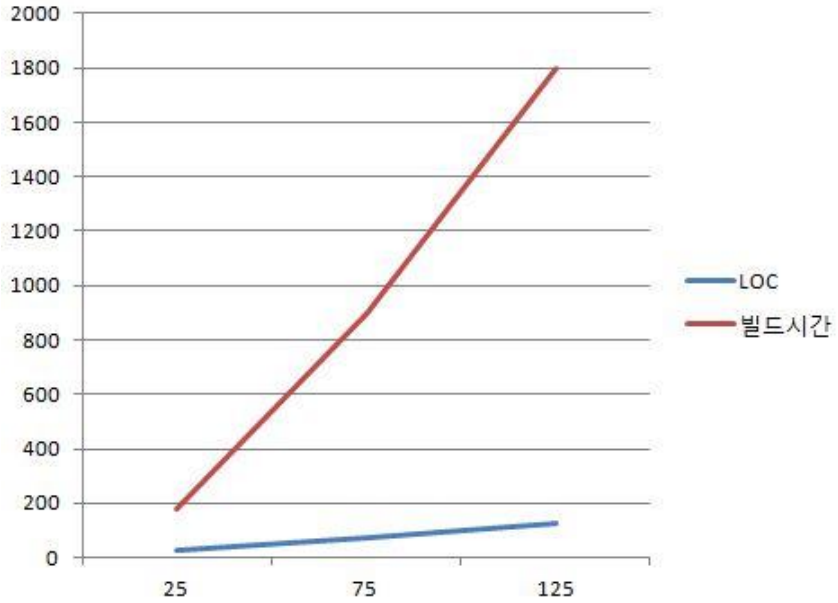
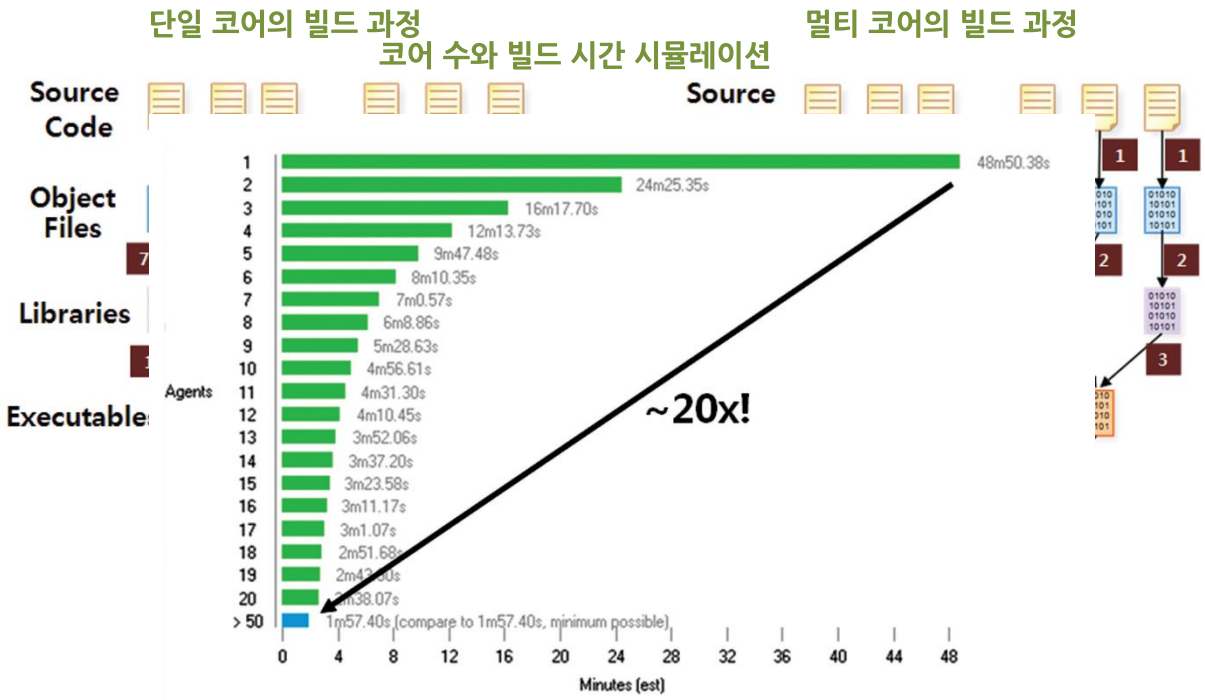
Motive

Motive



명령 행에 비해 크게 증가하는 빌드 시간

Motive

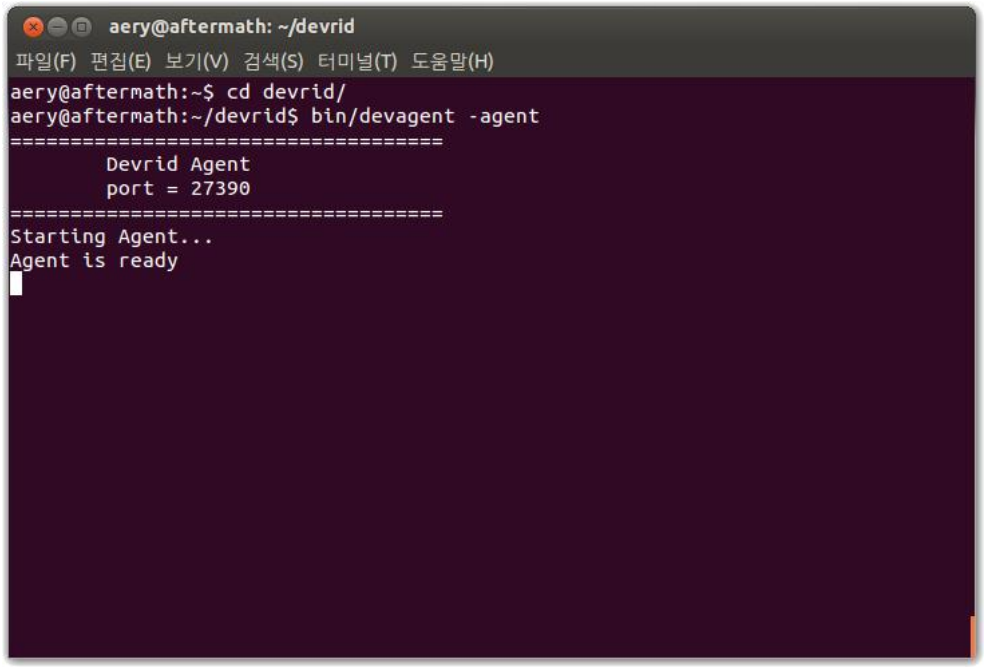


병렬 처리에 적합한 빌드의 성격

Scenario

Scenario

Server & Agent 실행


aery@aftermath: ~/devrid
파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)
aery@aftermath:~$ cd devrid/
aery@aftermath:~/devrid$ bin/devagent -agent
==================================
Devrid Agent
port = 27390
==================================
Starting Agent...
Agent is ready

Agent 실행

Scenario

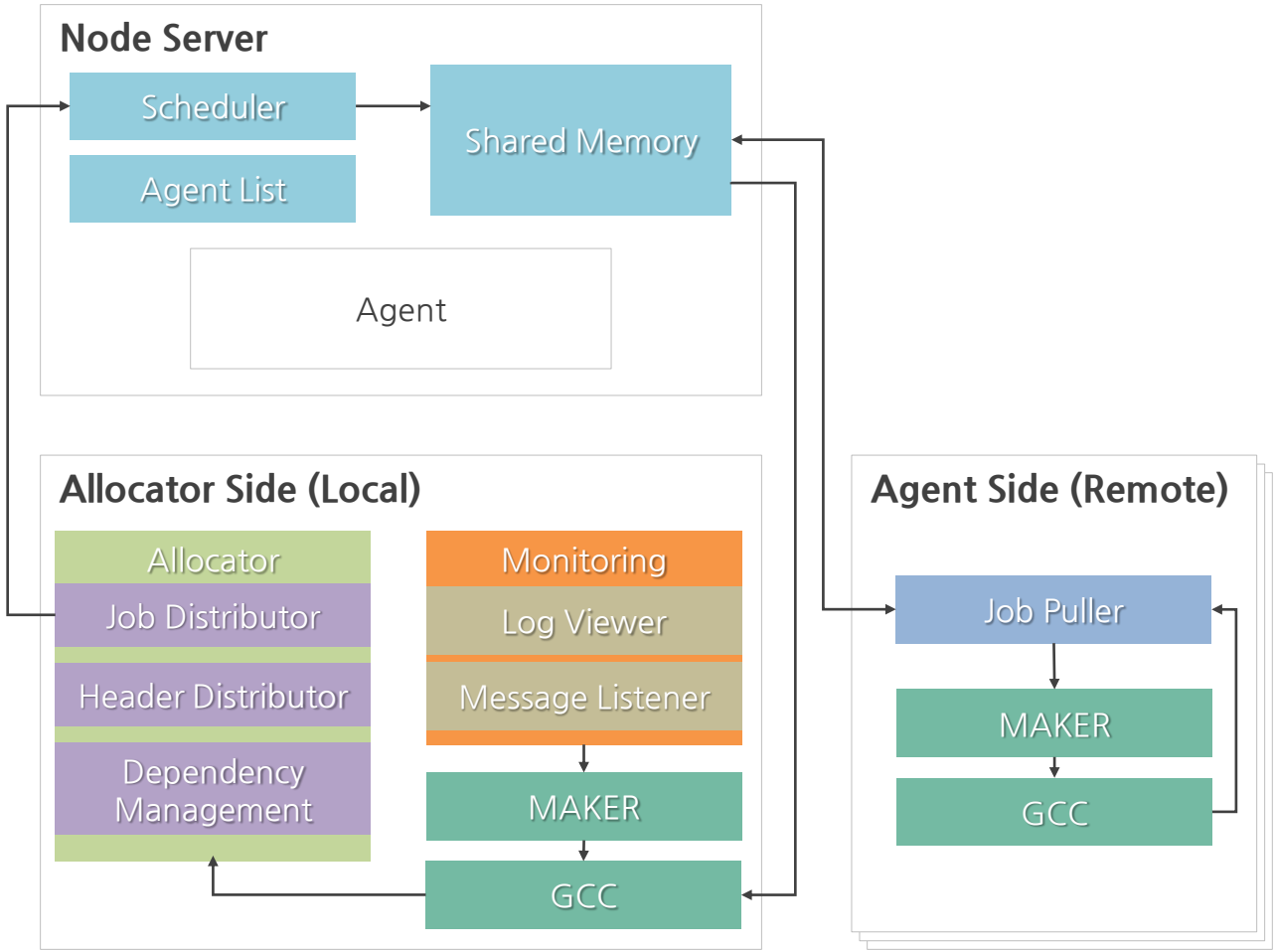
Devrid Monitor 실행

Scenario

Build 과정 수행

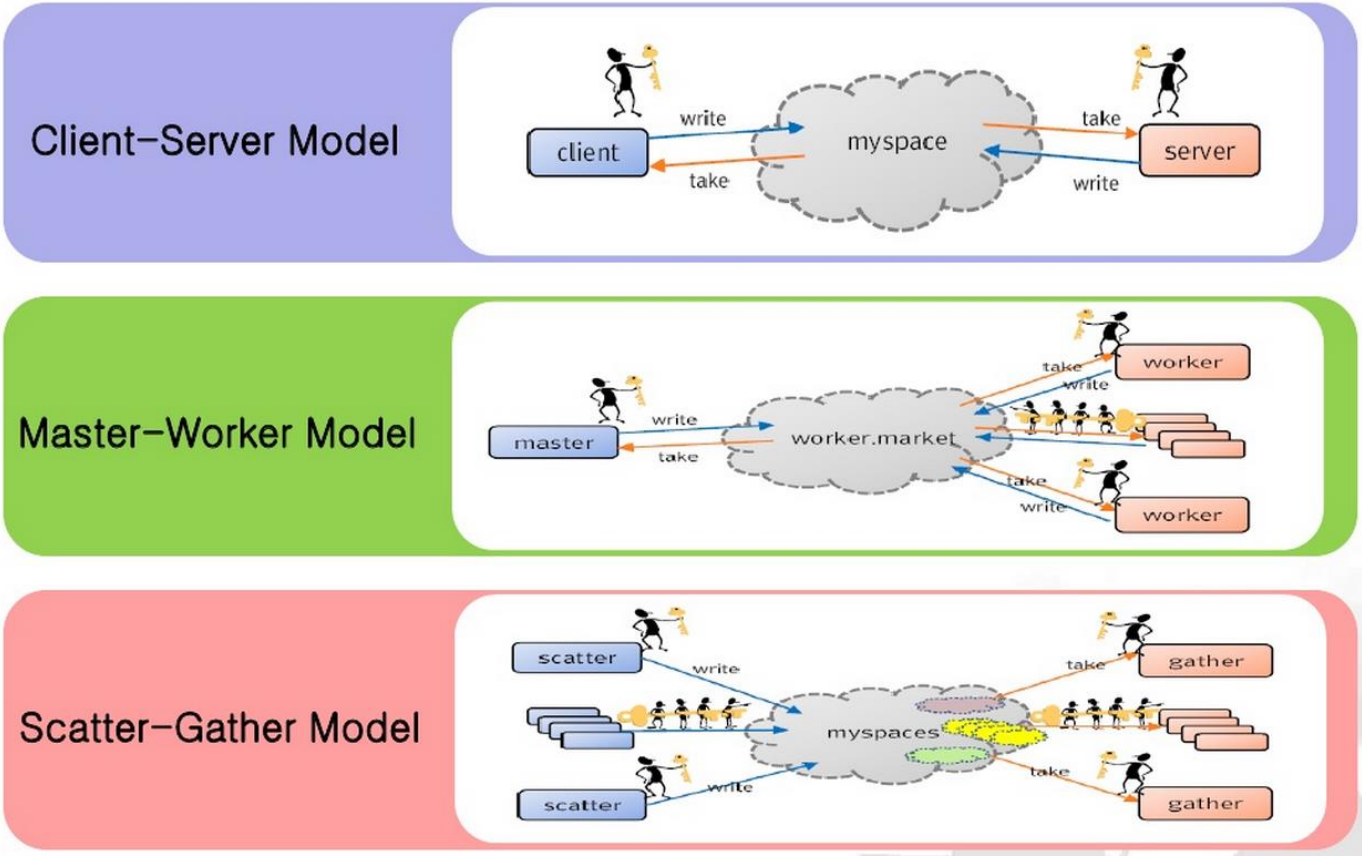
Architecture

Architecture



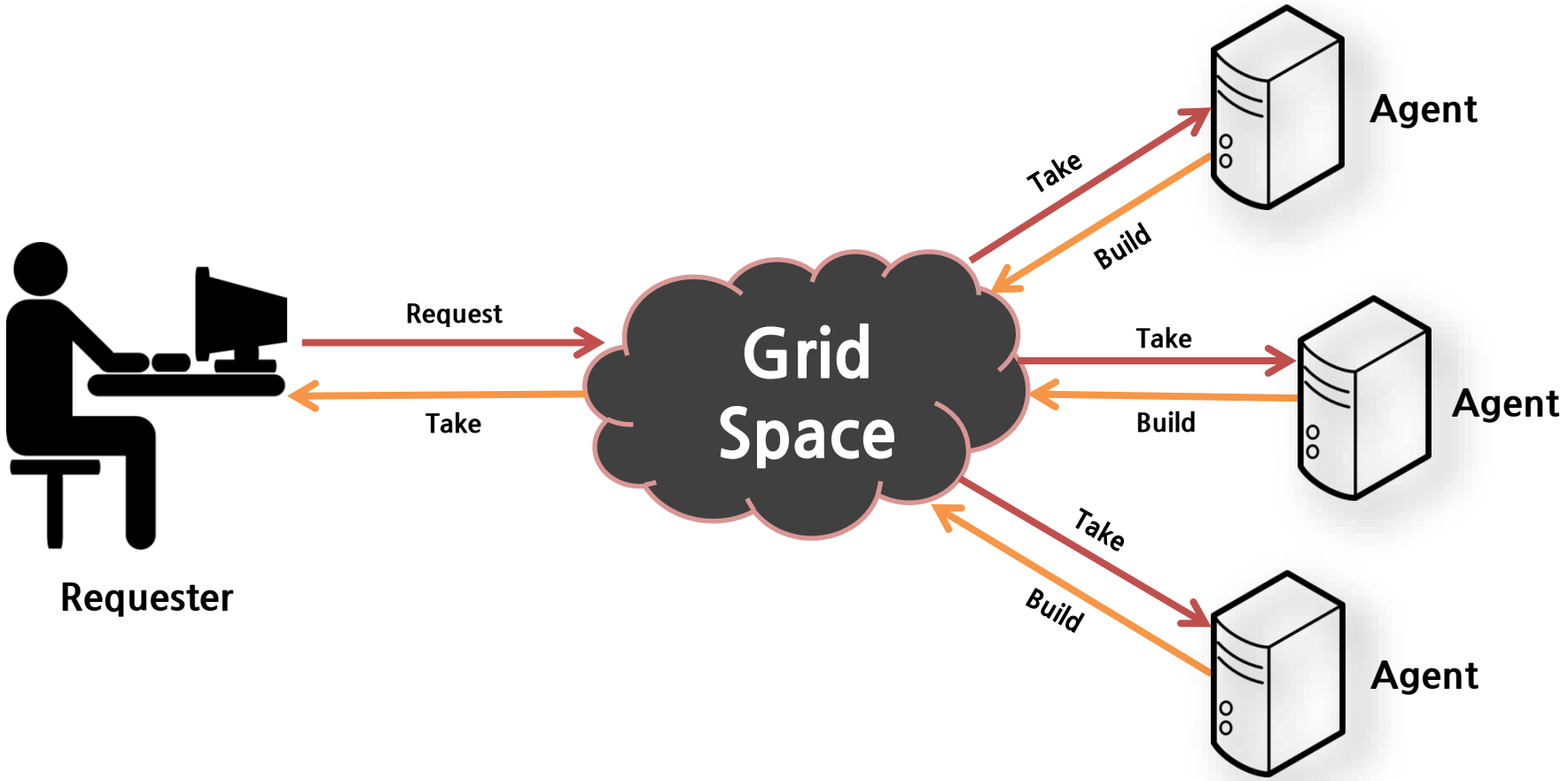
Detail

Detail



Master-Worker Model

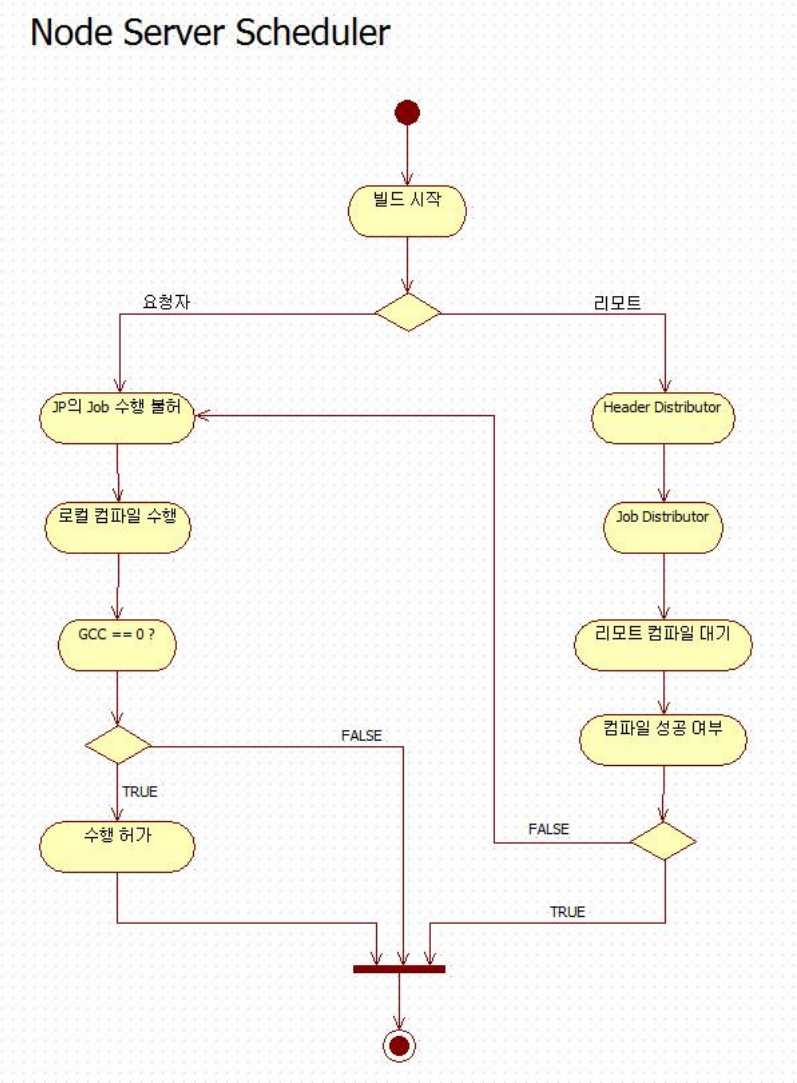
Detail



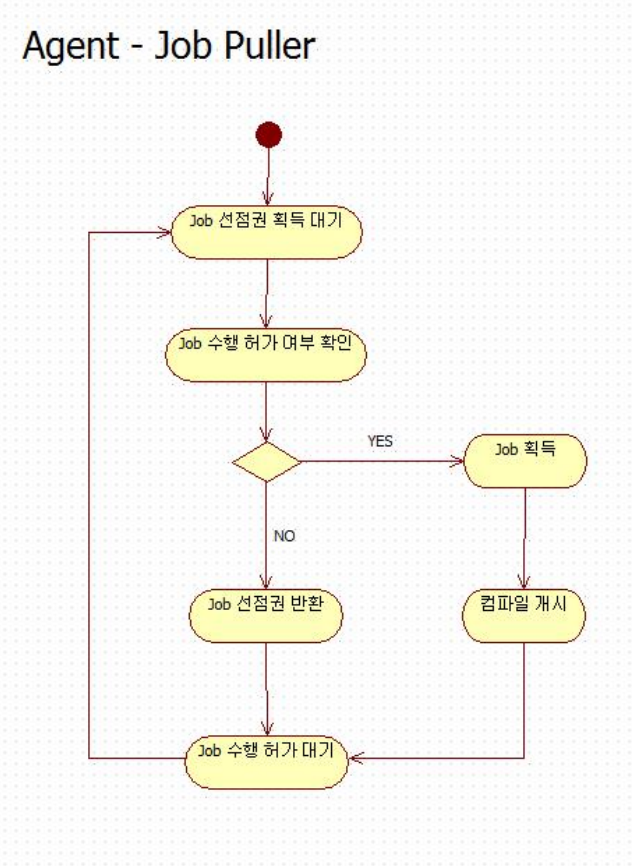
Distributed Programming Models

Detail

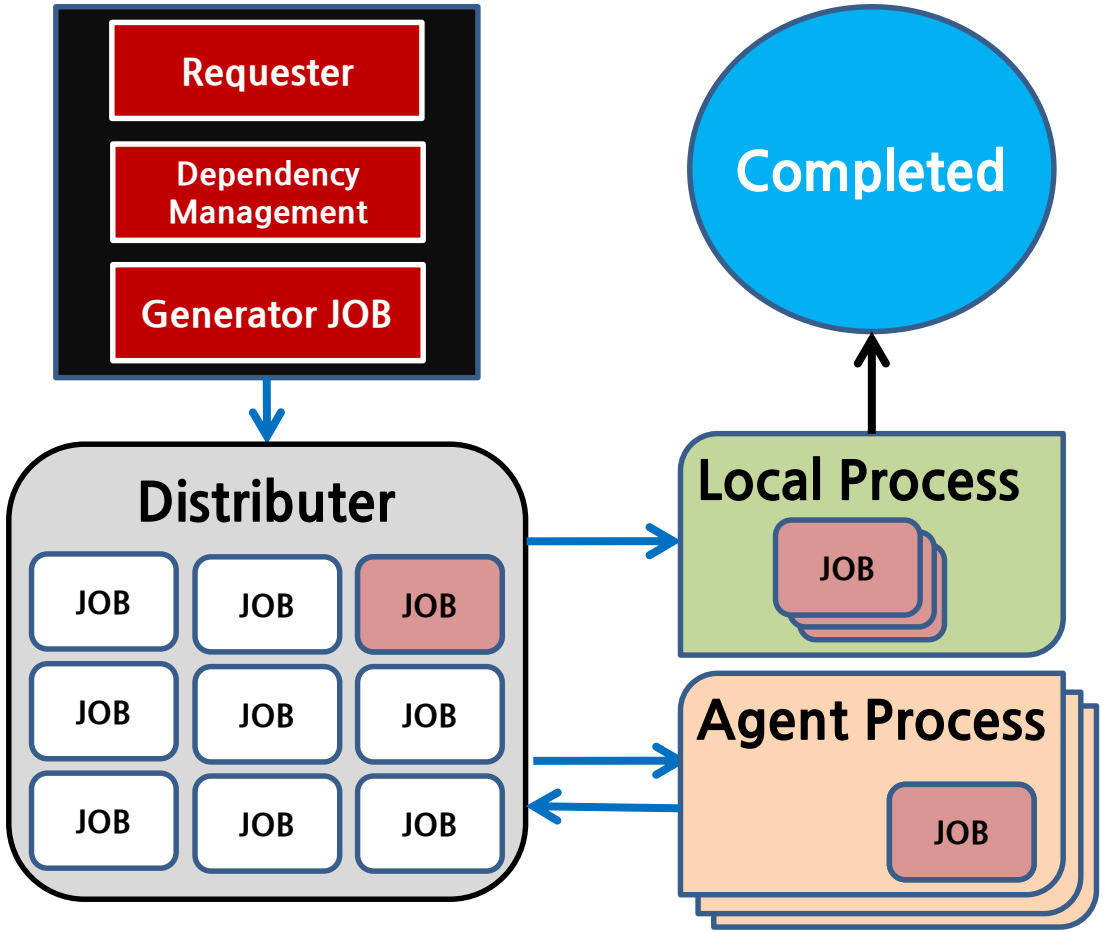
Node Server Scheduler



Detail

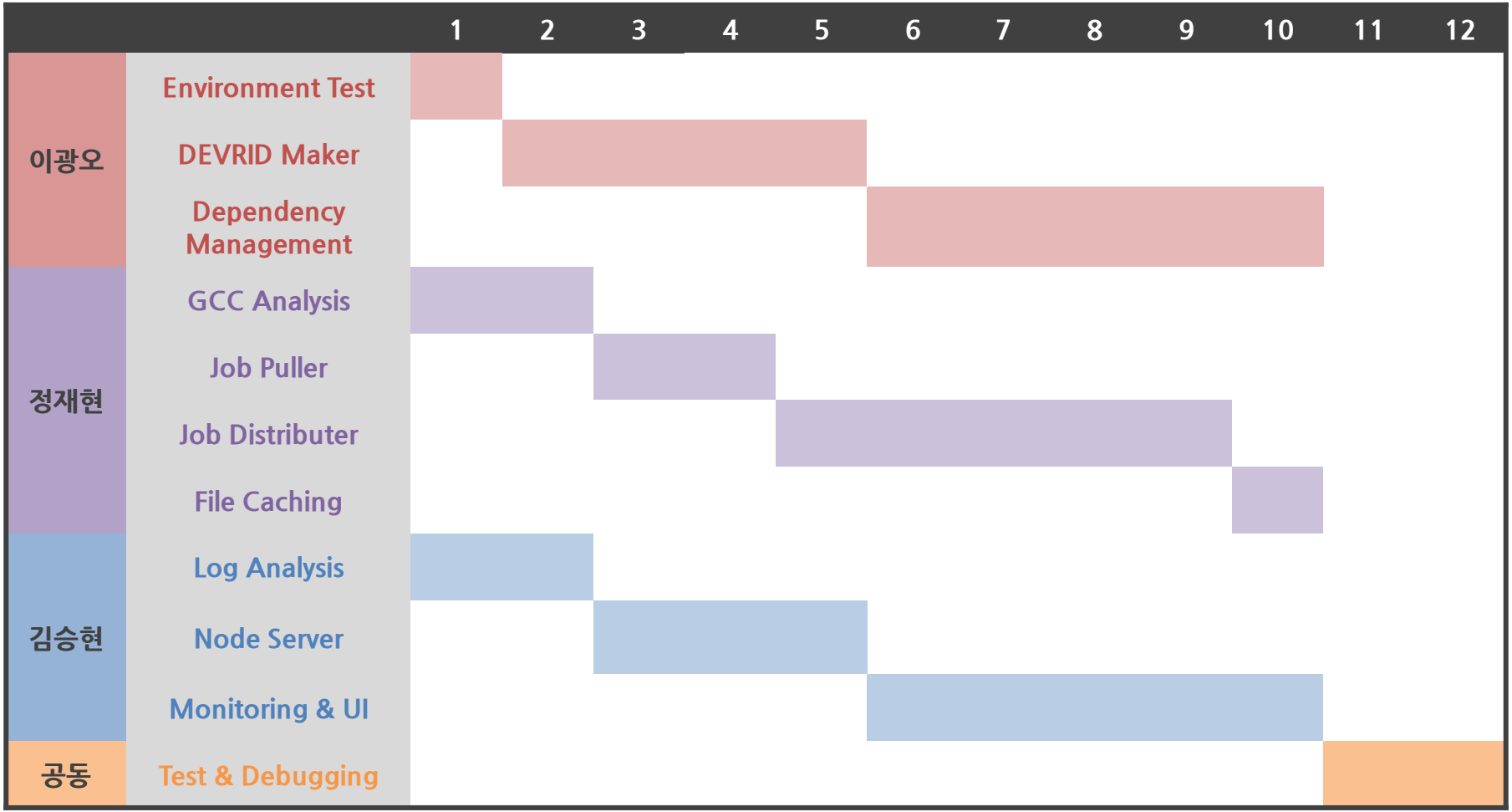

Agent - Job Puller
Job 선점권 획득 대기
Job 수행 허가 여부 확인
YES
Job 획득
NO
Job 선점권 반환
컴파일 개시
Job 수행 허가 대기

Detail


Requester
Dependency Management
Generator JOB
Completed
Distributer
JOB
JOB
JOB
JOB
JOB
JOB
JOB
JOB
JOB
Local Process
JOB
Agent Process
JOB

Schedule

Scheduler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이광오
Environment Test
DEVRID Maker
Dependency Management
정재현
GCC Analysis
Job Puller
Job Distributer
File Caching
김승현
Log Analysis
Node Server
Monitoring & UI
공동
Test & Debugging

Scheduler

Project Leader
이광오
Environment Test
DEVRID Maker
Dependency Management

정재현
GCC Analysis
Job Puller
Job Distributer
File Cashing

김승현
Log Analysis
Node Server
Monitoring & UI