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#### 강재구

## 1. KNIME Server

#### 1.1. KNIME Server

종류	용도	
Server Large	Enterprise	
Server Medium	Smaller orgs	
Server Small	Small team / Getting Started	

### 1.1.1 KNIME Server 특징

- 1. Tomcat Server 기반
- 2. KNIME USER에게 공유 원격 저장소를 제공
- 3. KNIME WebPortal 혹은 RESTful로 실행 가능
- 4. KNIME Server Component
  - 4.1. Server Side Component
    - KNIME Analytics Platform를 통해 Work Flow execute
    - Tomcat Server 에 설치되어짐(Tomcat User와 동일User로 설치하는 것을 권장)

#### 4.2. Client Interface

- Server Repository와 상호작용
- KNIME Analytics Platform 및 KNIME WebPortal과 통합

or

- REST API를 통해 액세스 가능

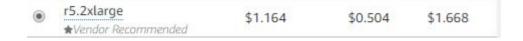
#### 1.1.2 Prerequisites

	OS	Resource(Recommend)	JDK	Repository
Server	Windows Server 2016, 2019 Ubuntu 16.04 LTS. 18.04 LTS RHEL/CentOS 6.7+, 7.x	64 bits 16GB RAM 8 CPU	JDK 8	250GB disk
Client	Windows Linux macOS	•		

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### 1.2. Server에서 제공하는 서비스/가격

Feature and Description	KNIME Server Small	KNIME Server Medium	KNIME Server Large
Collaboration			
Share workflows and control access rights	~	~	1
Upload and share components to enable users to reuse most common functionalities	~	~	-
Encrypt metanodes to secure content and protect intellectual property			4
Customize the node repository to ease use and ensure compliance			~
Automation			
Execute workflows on the server or on a cluster	~	<b>✓</b>	4
Schedule a workflow or report to be executed at a certain time, or periodically	•	~	~
Modify and execute workflows on KNIME Server to take advantage of well provisioned hardware in a secure environment	•	•	•
Scale workflow execution to multiple machines using distributed executors			~
Execute big data workflows remotely. Enables access to Apache Hadoop and Spark from KNIME workflows			4
Deployment			
Give consumers access to analytical applications and services via the KNIME WebPortal or REST API	Licensed users only	Additional consumers	Unlimited consumers
Create and deploy Guided Analytics	~	~	~
Deploy workflows via the REST API to allow access from other applications		~	•
Management			
Manage user credentials locally for smaller teams	~	~	~
Create workflow snapshots and compare to previous versions	~	~	~
Monitor server activity (running and scheduled jobs), adjust permissions, manage ongoing services	•	•	~
T operations via central management of settings for multiple KNIME Analytics Platform nstallations and customizations in order to adhere to corporate identities		~	4
ntegrate authentication with corporate LDAP / Active Directory setups and manage permissions			•
General Genera			
lumber of server installations	1	1	Multiple
ubscription for professional support service via ticket system or forum	Forum / Email	Email	Email
nnual Subscription based on 5 users and 8 cores)	KNIME Server for Azure KNIME Server for AWS	25.000 EUR 29,000 USD	45.500 EUR 52,000 USD



• 약 1800만원/년

### 1.2.1. End User Side에서 서비스 제공받는 방법

- KNIME Analytics Platform 및 KNIME WebPortal과 통합
- REST API

# 2. KNIME Analytics Platform 설치

링크

## 3. 참고링크

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KNIME Server Installation Guide

KNIME Server Administration Guide

**KNIME Server** 

# 4. 기타

## 방법 1. KNIME Server 사용

• KNIME Analytics Platform -> KNIME Server -> Client

## 방법 2. Event Listen

• KNIME Analytics Platform -> \*.csv File -> Client