



Jenkins

JING GE

What's Jenkins

- ▶ Jenkins is a self-contained, open source automation server which can be used to automate all sorts of tasks related to building, testing, and deploying software.
- ▶ Jenkins can be installed through native system packages, Docker, or even run standalone by any machine with a Java Runtime Environment (JRE) installed.
- ▶ Official documentation:
 - ▶ <https://jenkins.io/doc/>

How to install Jenkins

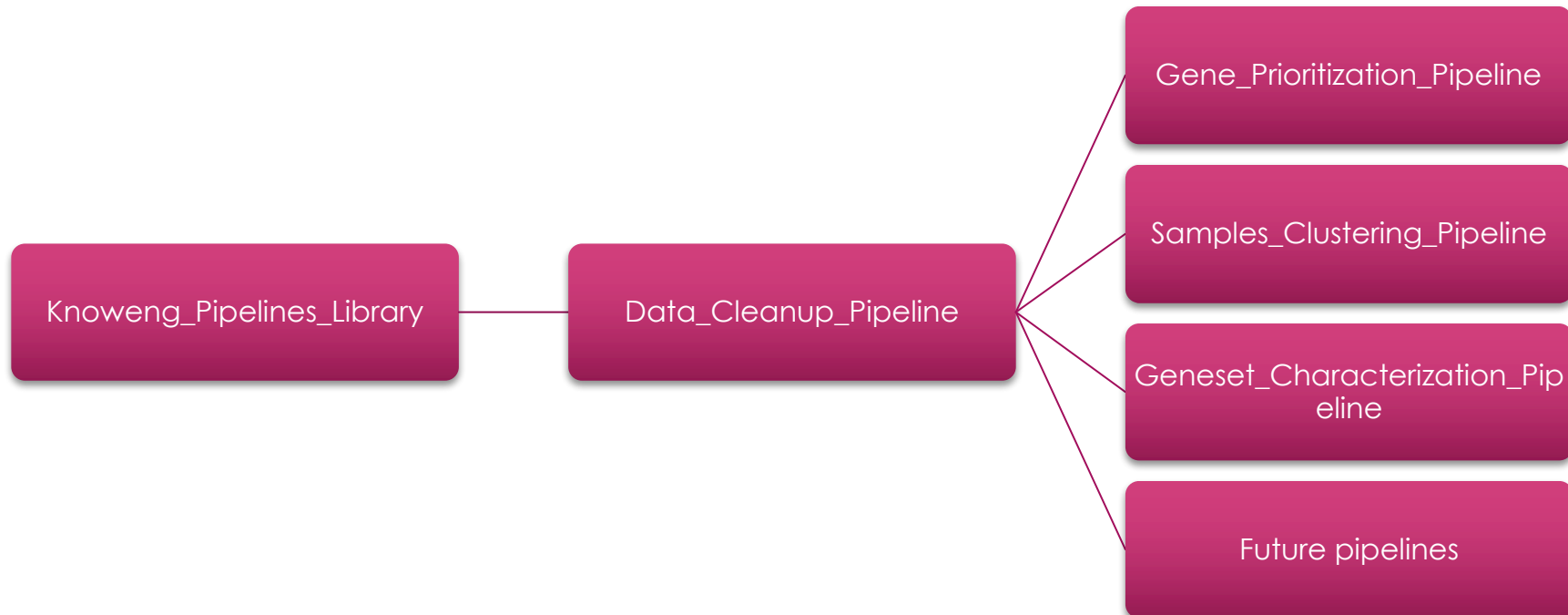
► <https://jenkins.io/download/>

► Install in AWS:

1. To ensure that your software packages are up to date on your instance, use the following command to perform a quick software update:
`[ec2-user ~]$ sudo yum update -y`
2. Add the Jenkins repo using the following command:
`[ec2-user ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins-ci.org/redhat/jenkins.repo`
3. Import a key file from Jenkins-CI to enable installation from the package:
`[ec2-user ~]$ sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io.key`
4. Install Jenkins:
`[ec2-user ~]$ sudo yum install jenkins -y`
5. Start Jenkins as a service:
`[ec2-user ~]$ sudo service jenkins start`

How Jenkins is used in KnowEnG System

- KnowEng Jenkins Server link: <http://52.40.67.52:8080/>



The End

Thank you for watching!