**Java Networking**

* Java Networking is a concept of connecting two or more computing devices together so that we can share resources.
* Java socket programming provides facility to share data between different computing devices.

**Advantage:**

* Sharing Resource
* Centralize s/w management

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**Java Socket Programming:**

Java Socket programming is used for communication between the applications running on different JRE.

Java Socket programming can be connection-oriented or connection-less.

**Socket and ServerSocket** classes are used for connection-oriented socket programming and

**DatagramSocket and DatagramPacket** classes are used for connection-less socket programming.

**The client in socket programming must know two information:**

* IP Address of Server, and
* Port number.

[**https://javaranch.com/journal/2002/10/J2EE.html**](https://javaranch.com/journal/2002/10/J2EE.html)

**J2EE** is a platform-independent, **Java**-centric environment from Sun for developing, building and deploying Web-based enterprise applications online. The **J2EE** platform consists of a set of services, APIs, and protocols that provide the functionality for developing multitiered, Web-based applications.

What is the difference between Java and j2ee?

"**Java**" is both the name of the object-oriented programming language and a container term for "everything **Java**". Most people mean "core **Java**" or "JSE" (**Java**Standard Edition) when they say "**Java**". "**J2EE**" (or just "JEE" now) is **Java**Enterprise Edition, which consists of core **Java** with a powerful set of libraries

What Is API? (https://www.youtube.com/watch?v=5jQSat1cKMo)

# What are microservices?

Microservices - also known as the microservice architecture - is an architectural style that structures an application as a collection of services that are

* Highly maintainable and testable
* Loosely coupled
* Independently deployable
* Organized around business capabilities.

Microservices is a synonym for [Service Oriented Architectural (SOA)](https://en.wikipedia.org/wiki/Service-oriented_architecture) style of constructing aggregation of many small loosely coupled services. When developing microservices with java, you can use several microservices framework. Some of the frameworks are Spring Boot, Jersey, Dropwizard, Play Framework, and Restlet. In this document, we will implement a microservice “authenticate” with Spring Boot. Spring Boot is the best and most used Microservice framework since long.