SocketAddress、InetSocketAddress

# SocketAddress

## 继承关系

public abstract class **SocketAddress** extends Object implements Serializable



All Implemented Interfaces: Serializable

Direct Known Subclasses: **InetSocketAddress**

## 功能特性

This class represents a **Socket Address** with no protocol attachment. **As an abstract class, it is meant to be subclassed with a specific, protocol dependent, implementation.**

It provides an immutable object used by sockets for **binding, connecting, or as returned values**.

## 方法

public SocketAddress()

只有一个空的构造方法，没有一般方法。

# InetSocketAddress

## 继承关系

public class **InetSocketAddress** extends **SocketAddress**



All Implemented Interfaces: Serializable

## 功能特性

This class implements an **IP Socket Address** **(IP address + port number)** It can also be a pair (hostname + port number), in which case an attempt will be made to resolve the hostname. If resolution fails then the address is said to be unresolved but can still be used on some circumstances **like connecting through a proxy**.

It provides an immutable object used by sockets for binding, connecting, or as returned values.

immutable 英 [ɪˈmju:təbl] 美 [ɪˈmjutəbəl] adj. 不可改变的

The wildcard is a special local IP address. It usually means "any" and can only be used for bind operations.

## 构造方法

**InetSocketAddress**(InetAddress addr, int port)

Creates a socket address from an IP address and a port number.

**InetSocketAddress**(int port)

Creates a socket address where the IP address is the wildcard address and the port number a specified value.

**InetSocketAddress**(String hostname, int port)

Creates a socket address from a hostname and a port number.

## 一般方法

### static **InetSocketAddress** createUnresolved(String host, int port)

Creates an unresolved socket address from a hostname and a port number.

### boolean isUnresolved()

Checks whether the address has been resolved or not.

### getXxx方法：

InetAddress **getAddress**() Gets the InetAddress.

String **getHostName**() Gets the hostname.

String **getHostString**() Returns the hostname, or the String form of the address if it doesn't have a hostname (it was created using a literal).

int **getPort**() Gets the port number.

### equals、hashCode、toString