



链滴

# java 获取 windows/linux/mac ip 地址

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来源网站: [链滴](#)

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```

/**
 * 获取本地IP地址
 *
 * @throws SocketException
 */
public static String getLocalIP() throws UnknownHostException, SocketException {
    if (isWindowsOS()) {
        return InetAddress.getLocalHost().getHostAddress();
    } else {
        return getLinuxLocalIp();
    }
}

/**
 * 判断操作系统是否是Windows
 *
 * @return
 */
public static boolean isWindowsOS() {
    boolean isWindowsOS = false;
    String osName = System.getProperty("os.name");
    if (osName.toLowerCase().indexOf("windows") > -1) {
        isWindowsOS = true;
    }
    return isWindowsOS;
}

/**
 * 获取本地Host名称
 */
public static String getLocalHostName() throws UnknownHostException {
    return InetAddress.getLocalHost().getHostName();
}

/**
 * 获取Linux下的IP地址
 *
 * @return IP地址
 * @throws SocketException
 */
private static String getLinuxLocalIp() throws SocketException {
    String ip = "";
    try {
        for (Enumeration<NetworkInterface> en = NetworkInterface.getNetworkInterfaces(); en.hasMoreElements();) {
            NetworkInterface intf = en.nextElement();
            String name = intf.getName();
            if (!name.contains("docker") && !name.contains("lo")) {
                for (Enumeration<InetAddress> enumIpAddr = intf.getInetAddresses(); enumIpAddr.hasMoreElements();) {
                    InetAddress inetAddress = enumIpAddr.nextElement();
                    if (!inetAddress.isLoopbackAddress()) {
                        String ipAddress = inetAddress.getHostAddress().toString();
                    }
                }
            }
        }
    }
}

```

```
        if (!ipaddress.contains("::") && !ipaddress.contains("0:0:")
            && !ipaddress.contains("fe80")) {
            ip = ipaddress;
            System.out.println(ipaddress);
        }
    }
}
}
}
} catch (SocketException ex) {
    System.out.println("获取ip地址异常");
    ip = "127.0.0.1";
    ex.printStackTrace();
}
System.out.println("IP:" + ip);
return ip;
}
```