

# Networking

# Introduction

- ❖ The android platform includes networking classes that exist in Java SE, networking classes that were added as part of the android project and networking classes that belong to various other open source projects, such as those that belong to the Apache foundation.

# The Java SE Networking Classes

- ❖ The android platform includes the `java.net` package. This package includes most of the Java SE networking classes.
- ❖ The `Socket` and the `ServerSocket` classes can be used when developing client-server applications based on the TCP/IP protocol.
- ❖ The `HttpURLConnection` class can be used for developing HTTP based applications.

# The Java SE Networking Classes

- ❖ The `URL` class can be used for the representation of a resource on the web.

# The Android Networking Classes

- ❖ The android platform adds the `android.net`, `android.net.http` and the `android.net.wifi` packages.
- ❖ These packages include additional unique classes we can use when developing networking applications.

# The Apache Networking Classes

- ❖ The android platform includes the `org.apache.http` package. This package includes a big number of child packages, that include many other networking related classes.

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