Dependencies

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Your Project Has Dependencies

- Other projects

- External libraries

- Internal libraries

Dependencies Can Be Satisfied From…

- Other projects

- File system

- Maven repositories

- Ivy repositories

Can Have Many Configurations

- Java plugin introduces
  - compile
  - runtime
  - testCompile
  - testRuntime

Transitive Dependencies

- Some dependencies will depend on other libraries
  - These are 'transitive dependencies'

Listing Dependencies

```
gradle -q dependencies

gradle -q dependencies -configuration compile
```

Repositories – Maven Remote

```
repositories {

    mavenCentral()

}

repositories {

    jcenter() // https

}
```

Repositories – jcenter http

```
repositories {

    url "http://jcenter.bintray.com/"

}
```

Repositories – Maven local/custom

```
repositories {

    mavenLocal()

}

repositories {

    maven {

        url "http://repo.mycompany.com/maven2"

    }

}
```

Repositories - Ivy

```
repositories {

    ivy {

        url "http://repo.mycompany.com/repo"

    }

}


// other custom options available
```

Repositories - Multiple

```
repositories {

    maven {

        url "http://repo.mycompany.com/maven2"

    }


    ivy {

        url "http://repo.mycompany.com/repo"

    }
}
```

Gradle Cache

- Modules are cached
    - File based
    - Meta data and files stored separately
    - Repository caches are independent
- Dependencies can be refreshed
    - *--refresh-dependencies* flag
    - Will check if it needs to re-download
- Can safely delete cached files
    - Gradle will re-download them