

Install Java agent using Gradle

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This document explains how to install the Java agent using Gradle. For information on manually installing the Java agent, see [Install the Java agent](#) and [Java agent configuration: Config file](#).

Install agent package using Gradle

1. Install the New Relic Java agent, using either of these options:

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Install complete agent package



This section explains how to configure Gradle to download and unzip the `newrelic-java.zip` file, which contains all New Relic Java agent components:

- `newrelic.yml` (agent configuration file)
- `newrelic.jar` (Java agent jar)
- `newrelic-api.jar` (Java agent API jar)
- README

To do this:

1. Configure your `build.gradle` file with the plugin you will use to download the agent. For example:

```
plugins {  
    id "de.undercouch.download" version "3.4.3"  
}
```

2. Add tasks to download and unzip the agent. For example:

```
task downloadNewrelic(type: Download) {  
    mkdir 'newrelic'  
    src 'https://download.newrelic.com/newrelic/java-agent/newrelic-agent/current/newrelic-java.zip'  
    dest file('newrelic')  
}  
  
task unzipNewrelic(type: Copy) {  
    from zipTree(file('newrelic/newrelic-java.zip'))  
    into rootDir  
}
```

3. Run the tasks to download and unzip the agent. For example:

```
./gradlew downloadNewrelic
./gradlew unzipNewrelic
```

This will download the `newrelic-java.zip` file into a `newrelic/` directory and then unzip it in the same directory.

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Here is an example `build.gradle` file for working with the zip file:

```
plugins {
    id 'java'
    id "de.undercouch.download" version "3.4.3"
}

group 'example_group'
version '1.0-SNAPSHOT'

sourceCompatibility = 1.8

repositories {
    mavenCentral()
}

task downloadNewrelic(type: Download) {
    mkdir 'newrelic'
    src 'https://download.newrelic.com/newrelic/java-agent/newrelic-agent/current/newrelic-java.zip'
    dest file('newrelic')
}

task unzipNewrelic(type: Copy) {
    from zipTree(file('newrelic/newrelic-java.zip'))
    into rootDir
}
```

Install individual components



This section explains how to configure Gradle to download individual components of the Java agent, specifically the `newrelic.jar` and the `newrelic-api.jar`.

1. Configure your `build.gradle` file to download either `newrelic.jar` OR `newrelic-api.jar`. Here's an example for downloading `newrelic.jar`:

```
dependencies {
    compile group: 'com.newrelic.agent.java', name: 'newrelic-agent',
    version: 'JAVA_AGENT_VERSION'
}
```

Here's an example for downloading `newrelic-api.jar`:

```
dependencies {
    compile group: 'com.newrelic.agent.java', name: 'newrelic-api',
    version: 'JAVA_AGENT_VERSION'
}
```

Replace `JAVA_AGENT_VERSION` with the [latest Java agent version](#).

2. Locate the `newrelic.yml` file you received when creating your New Relic account or download one for the [version of the agent](#) that you are using.

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Here is an example `build.gradle` for working with the individual components (Java agent and API jars).

```
plugins {
    id 'java'
}

group 'example_group'
version '1.0-SNAPSHOT'

sourceCompatibility = 1.8

repositories {
    mavenCentral()
}


dependencies {
    compile group: 'com.newrelic.agent.java', name: 'newrelic-agent',
    version: '4.11.0'
    compile group: 'com.newrelic.agent.java', name: 'newrelic-api', version:
    '4.11.0'
}
```

2. Place `newrelic.yml` in the same folder as `newrelic.jar`, unless you specify otherwise in the JVM arg `Dnewrelic.config.file`.
3. [Configure the `newrelic.yml` file](#) (or [JVM system properties](#)) with your `license_key` and `app_name`.
4. Pass `-javaagent:/path/to/newrelic.jar` to the JVM running your application server.
5. Optional: If using the [New Relic Java agent API](#), make the API jar available at compile time by adding it to your application class path.

Generate some traffic for your app, then wait a few minutes for data to appear in the [APM Summary](#) page. If nothing appears, follow the [troubleshooting procedures](#).

For more help

If you need more help, check out these support and learning resources:

- Browse the [Explorers Hub](#)  to get help from the community and join in discussions.
- Find [answers on our sites and learn how to use our support portal](#).
- Run [New Relic Diagnostics](#), our troubleshooting tool for Linux, Windows, and macOS.
- Review New Relic's [data security](#) and [licenses](#) documentation.