Working with IntelliJ IDEA Features from Command Line

Besides working from within IntelliJ IDEA, it is possible to perform certain actions "offline", without actually launching the IDE. This way you can:

- Launching a code inspection from the command line
- View differences
- Open file in the editor, with the caret at the specified line

To launch a code inspection from the command line

- Specify the following command line arguments:
  - *Path to the launcher*: specify the *full path* to one of the following launchers (which reside under the `bin` directory of your IntelliJ IDEA installation):
    - For Windows: `inspect.bat`
    - For UNIX and Mac: `inspect.sh`
  - *Project file path* is the *full path* to the `*.ipr` file or `.idea` directory of the project to be inspected.
  - *Inspection profile path* is the *full path* to the profile, against which the project should be inspected. The inspection profiles are stored under `USER_HOME\.IntelliJ IDEAXX\config\inspection`
  - *Output path* is the *full path* to an existing directory where the report will be stored.
  - *Options*. You can specify:
    - The directory to be inspected `-d <full path to the subdirectory>`
    - The verbosity level of output `-vX`, where X is 0 for quiet, 1 for noisy and 2 for extra noisy.

> Please note that you have to specify *full paths*, *relative paths* are not accepted.

Examples

Windows

```
C:\Program Files (x86)\JetBrains\<IntelliJ IDEA home>\bin\inspect.bat
                E:\SampleProjects\MetersToInchesConverter E:\Work\MyProject\.idea\inspectionProfi
                E:\Work\MyProject\inspection-results-dir -v2 -d E:\SampleProjects\MetersToInchesC
```

OS X

```
/Applications/IntelliJ IDEA.app/bin/inspect.sh ~/IdeaProjects/MyTestProject
                ~/Library/Preferences/IntelliJ IDEA/inspection/Default.xml ~/IdeaProjects/MyTestP
```

To view differences using command line diff tool

- In the command line, type the following:

```
                        <IntelliJ IDEA> diff <path1> <path2>
```

where:
- `<IntelliJ IDEA>` is the platform-specific product launcher
- `<path1>`, `<path2>` are full paths to the files to be compared.

Examples

Windows

```
IntelliJ IDEA.exe diff C:\SamplesProjects\MetersToInchesConverter\src\javascript\numb
C:\SamplesProjects\MetersToInchesConverter\src\coffeescript\numbers.coffee
```

OS X

```
/Applications/IntelliJ IDEA.app/Contents/OS X/idea diff ~/Documents/file1.txt ~/Docum
```

To open file for editing

- In the command line, type the following:

```
<IntelliJ IDEA> <path1> --line<number> <path2>
```

where:

- `<IntelliJ IDEA>` is the platform-specific product launcher
- `<path1>` is the path to the project that contains the desired file
- `<number>` is the number of the line, where the caret should rest
- `<path2>` is the path to the file to be opened

Examples

Windows

```
IntelliJ IDEA.exe C:\SamplesProjects\MetersToInchesConverter --line 3
C:\SamplesProjects\MetersToInchesConverter\src\javascript\numbers.js
```

Os x

```
/Applications/IntelliJ IDEA.app/Contents/OS X/IntelliJ IDEA ~/IntelliJ IDEAProjects/u
```

See Also

Procedures:

- Running Inspections
- Running IntelliJ IDEA as a Diff or Merge Command Line Tool

Reference:

- Differences Viewer
- Differences Viewer for Folders and DB Objects

Web Resources:

- Developer Community