Instruction to Build and Run:

1. Clean Maven build should be fine to make the build
2. Refer to pom.xml to know about dependent jars
3. Configuration Server has been designed to run in poll mode or stand alone mode.
4. AppLauncher.java is the entry point for this application.
5. In Poll mode, pass poll mode as true otherwise to retrieve any value keep poll mode false

Sample program argument:

local app1 dev true key1 🡺 <store\_type> <application\_name> <env\_type> <poll\_mode> <key(optional)>

or

1. In Stand alone mode, pass poll mode false and pass key and application, env details to retrieve config value as below

local app1 dev false key1 🡺 <store\_type> <application\_name> <env\_type> <poll\_mode> <key>

1. Schedule delay has been kep hardcoded but can be made configured.
2. While retrieving single config, it has been assumed to retrieve config for only single application from any store and env at one point.
3. While Loading file, it can be more than one application under one env from more than one store can be specified.
4. Github store testing has been done with single file from repo. Branch name/env name can be configured based on Local store implementation. Due to time constraint, it has not been attempted but will be similar to existing implementation.

Sample Output:

In Poll mode:

**vdx.AppLauncher local app1 dev true key1**

Successfully connected to Local store

File is modified

Config Values loaded: {app1={key1=value1, key2=value2}}

Successfully connected to Local store

No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

Successfully connected to Local store

No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

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No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

Successfully connected to Local store

No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

Successfully connected to Local store

File is modified

Config Values loaded: {app1={key1=value1, key2=value2, key3=value3}}

Successfully connected to Local store

No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

Successfully connected to Local store

No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

Successfully connected to Local store

No File is modified since last poll..skipping..

Config Values loaded: {app1={}}

**Poller shutdown started**

**Poller shutdown finished**

Process finished with exit code 1

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In Non-Poll mode:

**vdx.AppLauncher local app1 dev false key1**

Successfully connected to Local store

Configuration value for key key1 is value1

Poller shutdown started

Poller shutdown finished

Process finished with exit code 0

GitHub store:

**vdx.AppLauncher git app1 dev false key1**

Successfully connected to git store..

**File demo-config.properties retrieved from github with download\_url https://raw.githubusercontent.com/moloy-biswas/configurationServer/main/demo-config.properties**

Content =

key1=value2

key2 = value1

**Configuration value for key key1 is value2**

Poller shutdown started

Poller shutdown finished

Process finished with exit code 0

Unit Test evidence:

