

git_comments:

git_commits:

1. **summary:** [MXNET-1187] Added Tutorial for Java under mxnet.io/docs/tutorials (#13183)
message: [MXNET-1187] Added Tutorial for Java under mxnet.io/docs/tutorials (#13183) * Added tutorial for Java installation on IntelliJ for mxnet.io website * Added correct image resources * Removed spurious quotes * Added java tutorial to whitelisting * Added community download edition link to intelliJ section
label: code-design

github_issues:

github_issues_comments:

github_pulls:

1. **title:** [MXNET-1187] Added Tutorial for Java under mxnet.io/docs/tutorials
body: ## Description ## Added Java API installation tutorial for the website. ## Checklist ## ### Essentials ### Please feel free to remove inapplicable items for your PR. - [x] The PR title starts with [MXNET-\$JIRA_ID], where \$JIRA_ID refers to the relevant [JIRA issue] (<https://issues.apache.org/jira/projects/MXNET/issues>) created (except PRs with tiny changes) - [x] Changes are complete (i.e. I finished coding on this PR) @andrewfayres @lanking520 @aaronmarkham

github_pulls_comments:

1. **body:** @lanking520 Wasn't aware there already was one. This is for the website --> docs --> tutorials --> java landing page.
label: documentation
2. **body:** > @lanking520 Wasn't aware there already was one. > > This is for the website --> docs --> tutorials --> java landing page. @piyushghai Then I think we can do a merge on these two, remove the duplicated content and link these two articles, WDYT?
label: code-design
3. > > @lanking520 Wasn't aware there already was one. > > This is for the website --> docs --> tutorials --> java landing page. > > @piyushghai Then I think we can do a merge on these two, remove the duplicated content and link these two articles, WDYT? > > @lanking520 Wasn't aware there already was one. > > This is for the website --> docs --> tutorials --> java landing page. > > @piyushghai Then I think we can do a merge on these two, remove the duplicated content and link these two articles, WDYT? I saw the earlier one. It's based on setting up a project using a pre-downloaded jar file, whereas my PR is about setting up a project using the pom file. Both the contents are overlapping only in the purpose of setups. I think these can be combined as well and placed outside of scala tutorials/scala/ path.
4. @piyushghai Thanks for your reply. Then I think you can change the one I created as a build from source solution and update the website.
5. @mxnet-label-bot [pr-awaiting-review]
6. Thanks for the contribution, it helps users a great deal to easily get started.

github_pulls_reviews:

1. There is no need to install Scala SBT for running Java if there is JAR provided. Maybe replace by just install JDK and Maven?
2. Why is OpenCV a requirement?
3. can you also point to the community edition?
4. Why are you creating a new GroupId and Artifact Id? you should use the existing project identifiers `org.apache` and `mxnet`
5. **body:** can you rebase or remove from this tutorial?
label: documentation
6. This is a sample project to showcase how to integrate MXNet into an existing/new java project. It's independent of the existing scala/java package in the codebase. Hence I kept the groupId and artifact Id as

- placeholder or random example names.
7. I didn't quite get what you meant here. Are you referring to possible merge conflicts with the master branch at this line ?
 8. Sure. Will do.
 9. If OpenCV is not installed, one will run into this exception : `` Exception in thread "main"
java.lang.UnsatisfiedLinkError:
/private/var/folders/gf/frgm66d17v76pgmx1t44qjfxsv1yh/T/mxnet2167090749058732516/mxnet-scala:
dlopen(/private/var/folders/gf/frgm66d17v76pgmx1t44qjfxsv1yh/T/mxnet2167090749058732516/mxnet-
scala, 1): Library not loaded: /usr/local/opt/opencv/lib/libopencv_stitching.3.4.dylib Referenced from:
/private/var/folders/gf/frgm66d17v76pgmx1t44qjfxsv1yh/T/mxnet2167090749058732516/mxnet-scala
Reason: image not found at java.lang.ClassLoader\$NativeLibrary.load(Native Method) at
java.lang.ClassLoader.loadLibrary0(ClassLoader.java:1941) at
java.lang.ClassLoader.loadLibrary(ClassLoader.java:1824) at java.lang.Runtime.load0(Runtime.java:809)
at java.lang.System.load(System.java:1086) at
org.apache.mxnet.util.NativeLibraryLoader\$.loadLibraryFromStream(NativeLibraryLoader.scala:140) at
org.apache.mxnet.util.NativeLibraryLoader\$.loadLibrary(NativeLibraryLoader.scala:93) at
org.apache.mxnet.Base\$.<init>(Base.scala:70) at org.apache.mxnet.Base\$.<clinit>(Base.scala) at
org.apache.mxnet.NDArray\$.initNDArrayModule(NDArray.scala:159) at org.apache.mxnet.NDArray\$.
<init>(NDArray.scala:39) at org.apache.mxnet.NDArray\$.<clinit>(NDArray.scala) at
org.apache.mxnet.javaapi.NDArray\$.ones(NDArray.scala:50) at
org.apache.mxnet.javaapi.NDArray.ones(NDArray.scala) at mxnet.App.main(App.java:10) ``
 10. So I believe, it's a dependency for the MXNet package itself.
 11. Done.
 12. I was wondering if this has already been fixed and you just need to rebase
 13. **body:** This might have been fixed, but I am not modifying the tensorrt/inference_with_trt.md tutorial here. The only thing I have done is to add `` after it and in the new line whitelisted the java tut.
label: documentation
 14. ok got it!, thanks for the clarification
 15. And I tried rebasing with the master branch, it seems like java-api branch itself is far behind master right now, so if I base my branch from the master, I'll be adding tons of commits here. :
<https://github.com/apache/incubator-mxnet/compare/java-api...master?expand=1>
 16. ok, I think we should fix this in the future.

jira_issues:

1. **summary:** Create mxnet.io documentation for Java API
description: Create mxnet.io documentation for Java API. Documents to be added are similar to ones we have for Scala: - [<http://mxnet.incubator.apache.org/api/scala/index.html>]
- [<http://mxnet.incubator.apache.org/tutorials/index.html#scala-tutorials>]
- [<http://mxnet.incubator.apache.org/install/index.html?platform=Linux&language=Python&processor=CPU>] (Aaron leads this one but please provide him with instructions) - home page card about Java API Documentation should include Java API functionality and examples/tutorials.

jira_issues_comments: