

Problem in copying snapshot dependencies



[Build Man](#) 1 posts since

Feb 9, 2010

Friends,

I am developing a tool to copy the existing projects. Currently the tool copies the projects but snapshot dependency properties were not copied as expected.

Problem is,

Source module's property is *"Do not run new build if there is a suitable one . Only use successful builds from suitable ones"*

but copied module's property is *"Always run a new build"* (which is a default value).

Tried to correct this issue by following code but unsuccessful. Please provide possible solutions. Thanks in advance for looking into my question.

```
String buildTypeId = buildTypeCopyFrom.getBuildTypeId(); //SBuildType to be copied
```

```
Dependency newDependencyToAdd = dependencyFactory.createDependency(buildTypeId);
```

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```
//Dependency property #1
```

```
BooleanOption booleanOption = new BooleanOption("take-started-build-with-same-revisions",false);
```

```
newDependencyToAdd.getOption(booleanOption);
```

```
Boolean booleanValue = new Boolean(true);
```

```
newDependencyToAdd.setOption(booleanOption, booleanValue);
```

```
//Dependency property #2
```

```
BooleanOption booleanOption2 = new BooleanOption("take-successful-builds-only",false);
```

```
newDependencyToAdd.getOption(booleanOption2);
```

```
newDependencyToAdd.setOption(booleanOption2, booleanValue);
```

```
//Adding the dependency to the new project
```

```
if(buildTypeCopyFrom != null){
```

```
newProject.getBuildTypes().get(buildTypeSize).addDependency(newDependencyToAdd);
```

```
} Tags: dependency, snapshot
```



[Pavel Sher](#) 2,148 posts since

Mar 6, 2008 1. **Re: Problem in copying snapshot dependencies** Feb 10, 2010 9:52 AM

You should not create your own options, instead you should use options from DependencyOptions interface:

```
DependencyOptions.TAKE_STARTED_BUILD_WITH_SAME_REVISIONS
```

```
DependencyOptions.TAKE_SUCCESSFUL_BUILDS_ONLY
```

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If your copy operation should behave like TeamCity copy, it is much easier to use:
`ProjectManager.createProject(SProject original, String newName, CopyOptions opts)`

Note that when TeamCity copies projects it correctly maps dependencies to new configurations. For example, if you have project A with configuration A::Conf1 which has snapshot dependency on A::Conf2, the A project copy A' will have configuration A'::Conf1' snapshot dependent on A'::Conf2', instead of A::Conf2.

Another tricky part is VCS roots handling. VCS roots can be local (available to one project) and shared (available to all of the projects). The problem is - you can't attach local VCS root to another project, you have to either share it or create a copy of it in the new project. Not to mention that sometimes user notification rules and user roles should be handled too. The method I mentioned above takes care of these tricky problems.