



## Installation of Eclipse and IOT2000 SDK

### - Setup Windows development environment -

Download and all necessary programs and libraries:

1. 7-Zip file archiver  
<https://www.7-zip.org/>
2. JAVA SE Runtime (JRE)  
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>
3. Eclipse IDE for C/C++ Developers:  
<https://www.eclipse.org/downloads/eclipse-packages/>
4. IOT2000 SDK  
<https://support.industry.siemens.com/cs/document/109744106/simatic-iot2000-eclipse-plugin?dti=0&lc=en-WW>
5. Templates and help programs  
[https://github.com/dyolcubal/eclipse\\_templates](https://github.com/dyolcubal/eclipse_templates)

You can extract the eclipse program and SDK anywhere. My suggestion:

**<Drive>:\SHARED\IOT2K\_SDK**

**<Drive>:\SHARED\eclipse (<Drive> = C,D,..)**

If you install eclipse once, you must switch the workspace for different projects. To prevent this, you can extract eclipse to project folder and select workspace in project folder and check the checkbox on first eclipse startup:

☒ Use this as the default and do not ask again

Example project folder structure:

**<Drive>:\PROJECTS\<PROJECTNAME>\eclipse**

**<Drive>:\PROJECTS\<PROJECTNAME>\workspace**

*<PROJECTNAME> is the name of your project, for example **s7comm**.*

**Install Programs:**

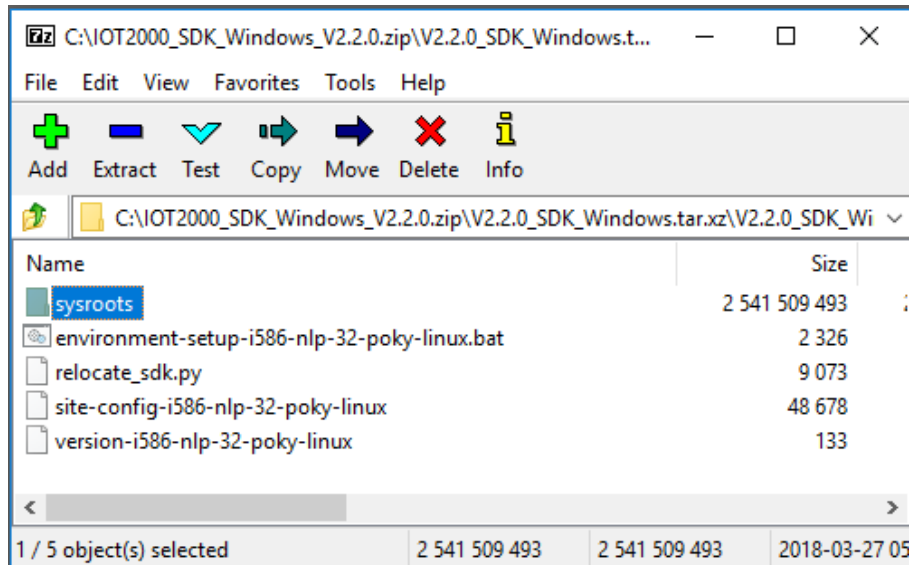
1. Install 7-Zip
2. Install JAVA SE Runtime
3. Open Eclipse zip file and extract folder **<eclipse>** to target eclipse folder.



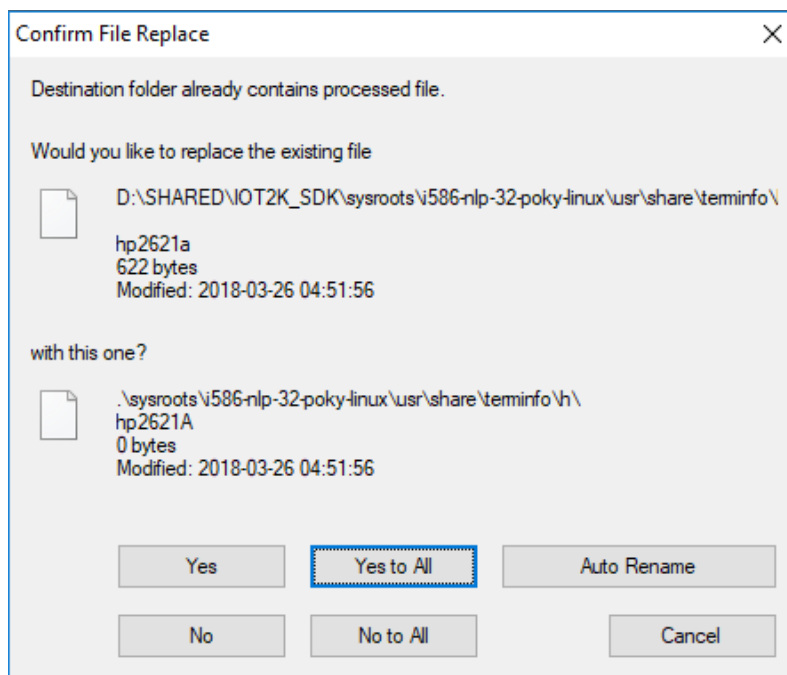
## Installation of Eclipse and IOT2000 SDK

### Setup SDK:

1. Start 7-Zip as **administrator !!!** and open IOT2000 SDK zip file. Double click on elements until you see the folder **sysroots**. Select folder **sysroots** and click “**Extract**”. Select the SDK target folder and start with “**OK**”.



### Confirm File Replace with “Yes to All”.

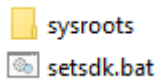


Ignore create hard link errors.

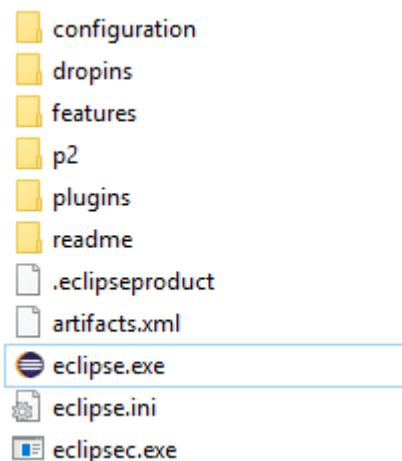


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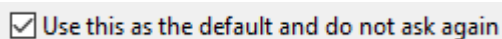
2. Copy **setsdk.bat** file to SDK folder.



3. Run **setsdk.bat** batch file with double click on Explorer.  
The batch file sets the environment variable **IOT2K\_SDK** permanent to SDK path and you need run the batch file only once.  
All build settings depend on **IOT2K\_SDK** environment variable.
4. You can check the **IOT2K\_SDK** environment variable with enter command "**set**" on commandline.
5. Create workspace folder.
6. Start eclipse with double click on eclipse.exe



7. Select workspace folder.
8. Select checkbox if you prevent eclipse to ask workspace on startup.



9. Check for eclipse updates

