Integrate Subversion (SVN) into ISOLAR-A
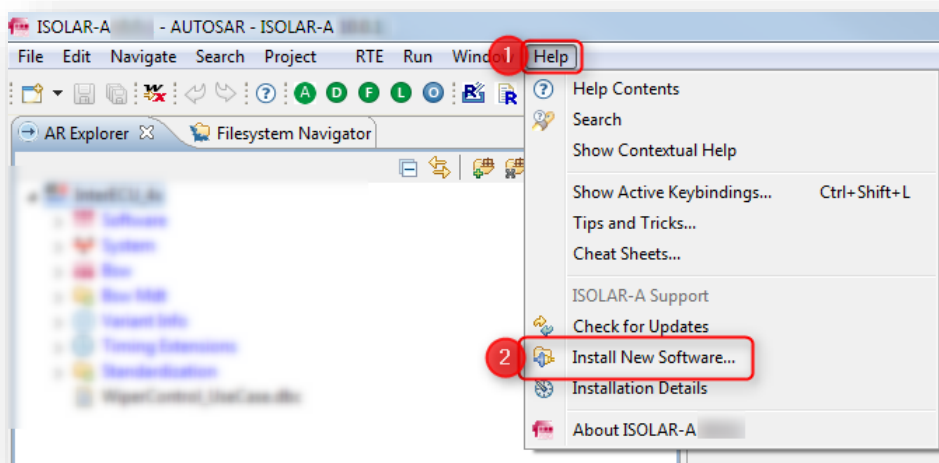
? Question

- o Is it possible to integrate Subversion to ISOLAR-A?
- o How to install SVN for ISOLAR-A?
- o We want to use Subversion as version control system for our AUTOSAR projects
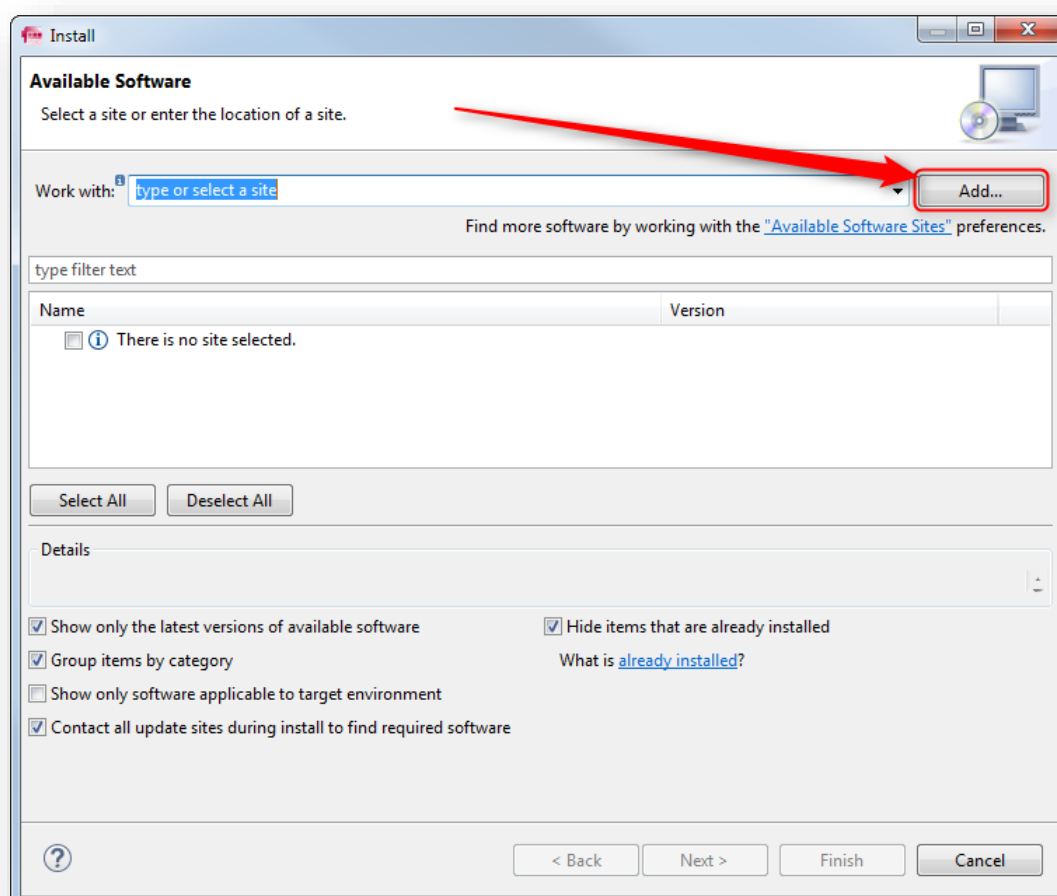
💡 Answer

- o It is possible to integrate Subversion via an plug-in into Eclipse based tools
- o There are several plug-ins for Eclipse and Subversion available
- o We are going to install the plug-in from Tigris (makers of Subversion)
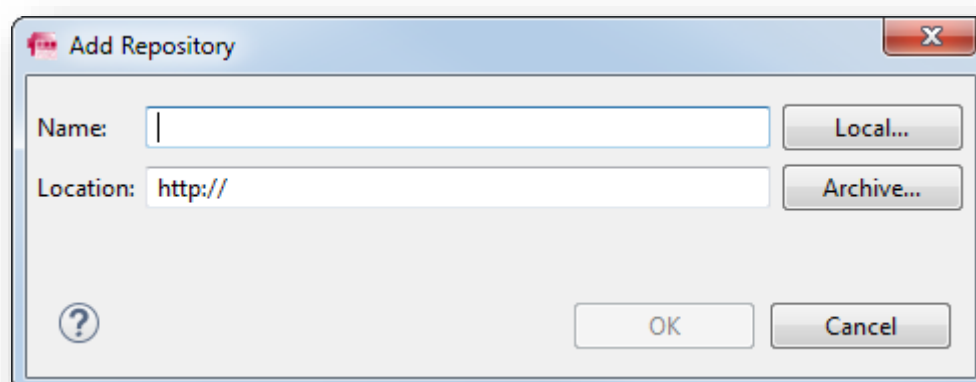- o Find further information regarding the SVN plug-in from Tigris here:
    - o https://github.com/subclipse/subclipse/wiki

1. In **ISOLAR-A → Menu bar → Help → Install New Software...**

2. In dialog **Install** → Click **Add...** button
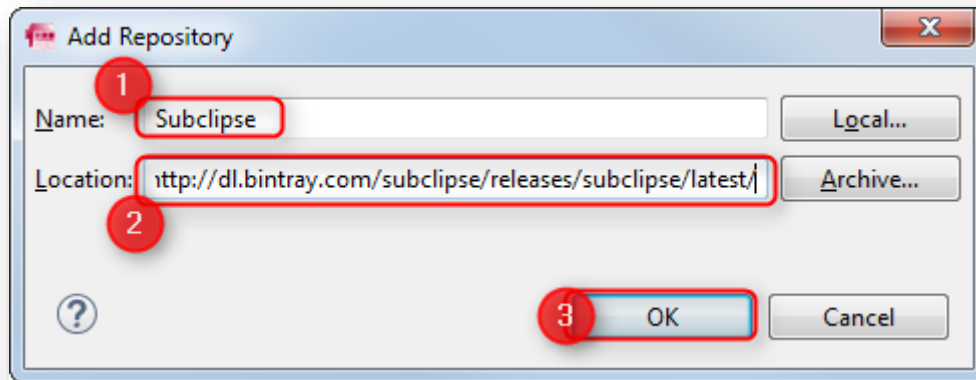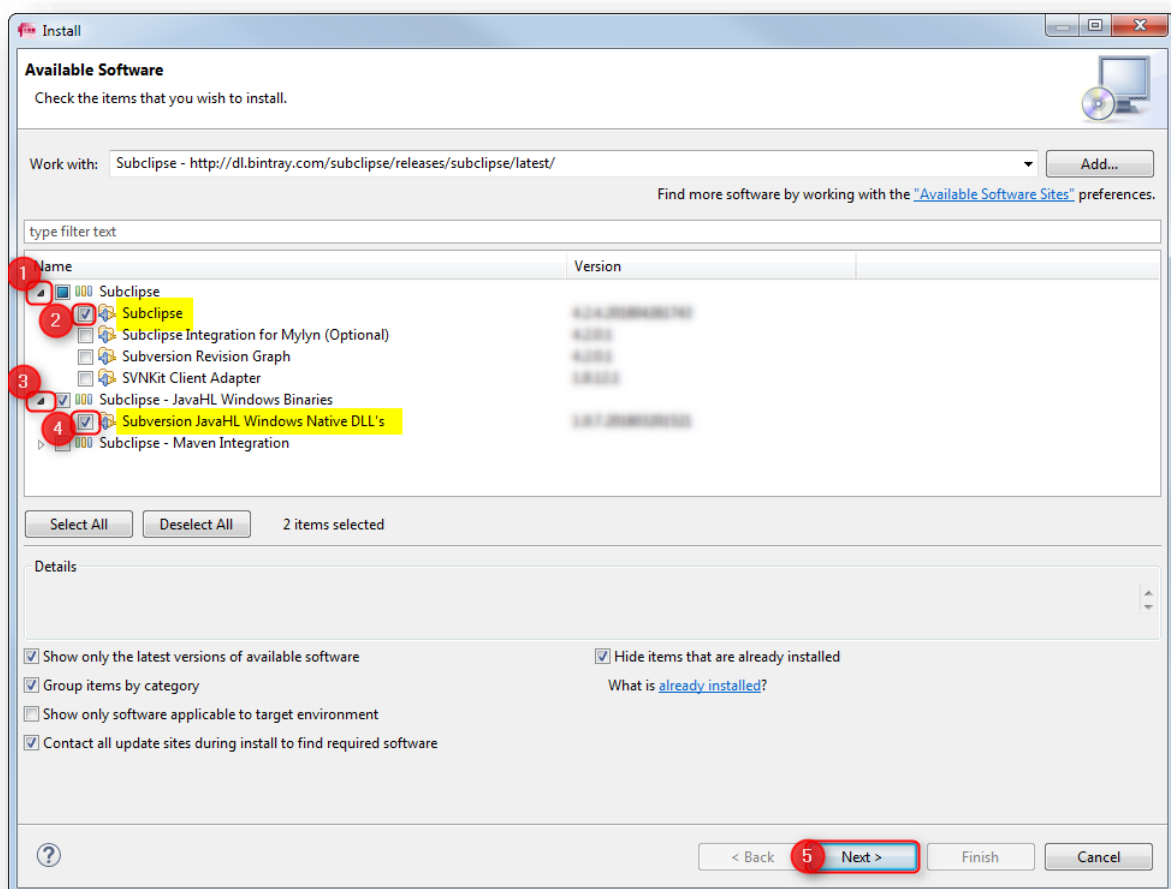

3. Result: Dialog **Add Repository** is shown

4. At field **Name**: Enter **Subclipse** → At field **Location**:
   Enter **https://dl.bintray.com/subclipse/releases/subclipse/latest/** →
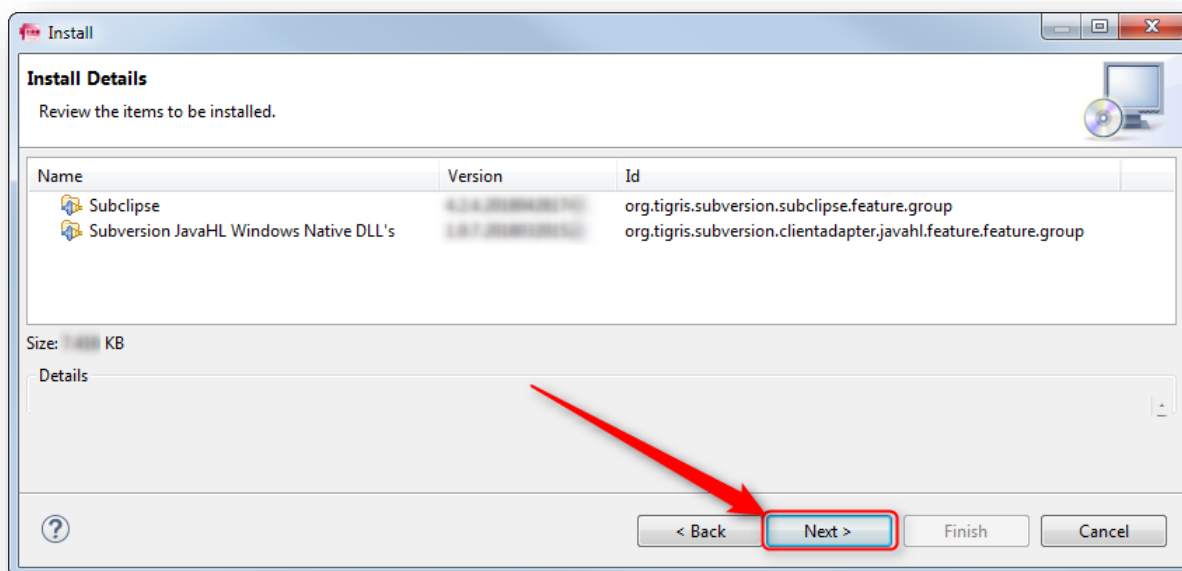   Click **OK** button

   o Remark: I had to remove the "s" from "https" of the URL to being able to install the plug-in at my environment
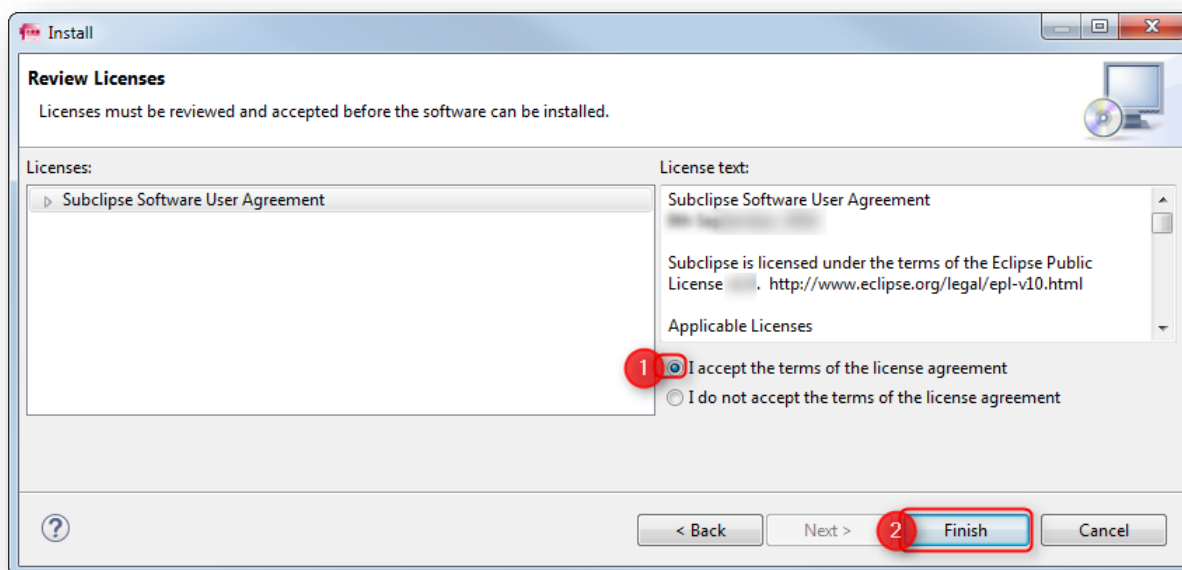

5. Expand **Subclipse** → Check sub node **Subclipse** → Expand **Subclipse - JavaHL Windows Binaries** → Check **Subversion JavaHL Windows Native DLL's** → Click **Next >** button
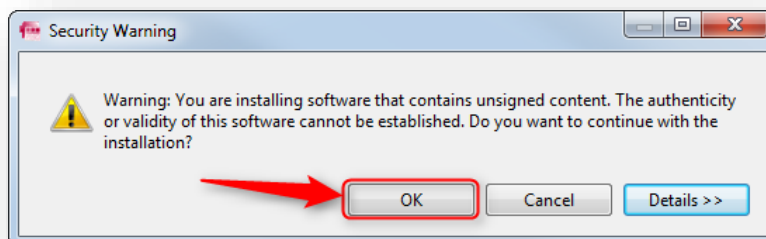
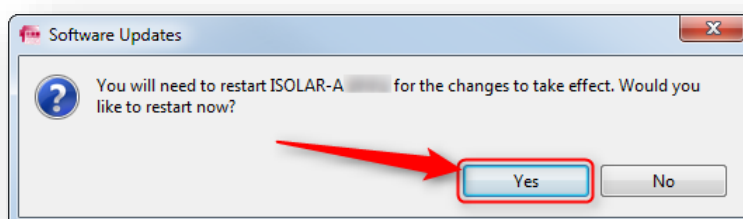6. Click **Next >** button

7. Click **I accept the terms of the license agreement** → Click **Finish** button
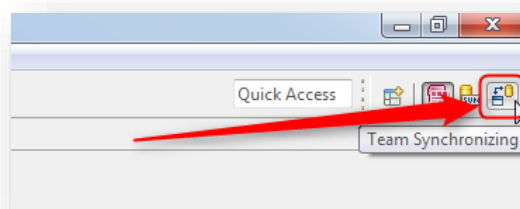
8. In dialog **Security Warning**: Click **OK** button

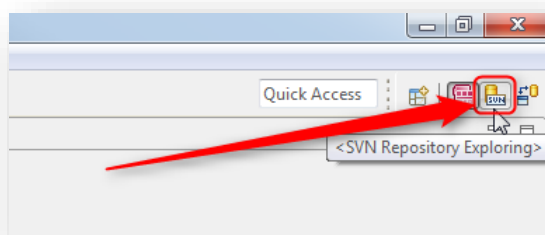9. In dialog **Software Updates**: Click **Yes** button

10. Result: ISOLAR-A is closed and restarted

   o There are 2 new perspectives available now:
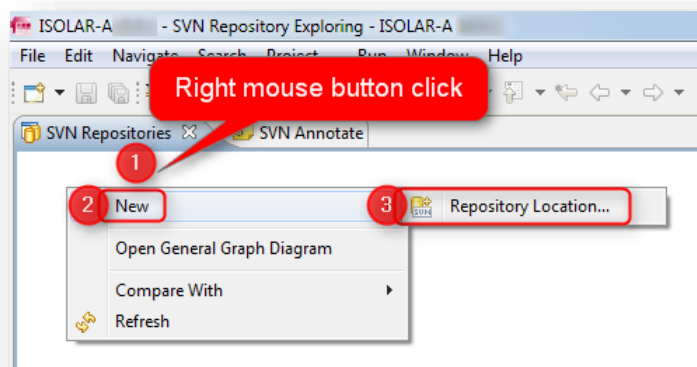   o **Team Synchronizing**
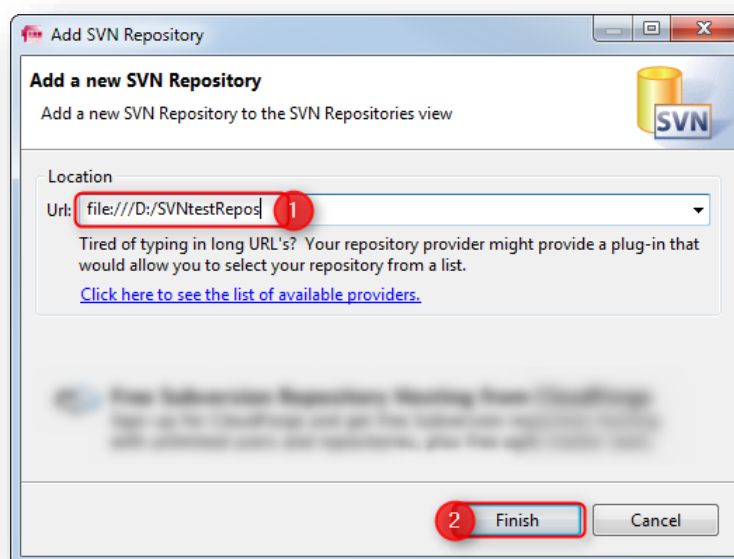

   o **SVN Repository Exploring**

Use case: Add SVN repository location to Eclipse

1. Click on **SVN Repository Exploring** icon → On tab **SVN Repositories**: Right mouse button click → **New** → **Repository Location...**
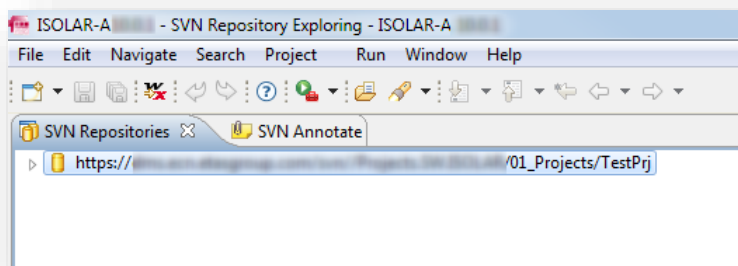

2. In dialog **Add SVN Repository,** at field **Url** → Enter URL of Subversion repository → Click **Finish** button
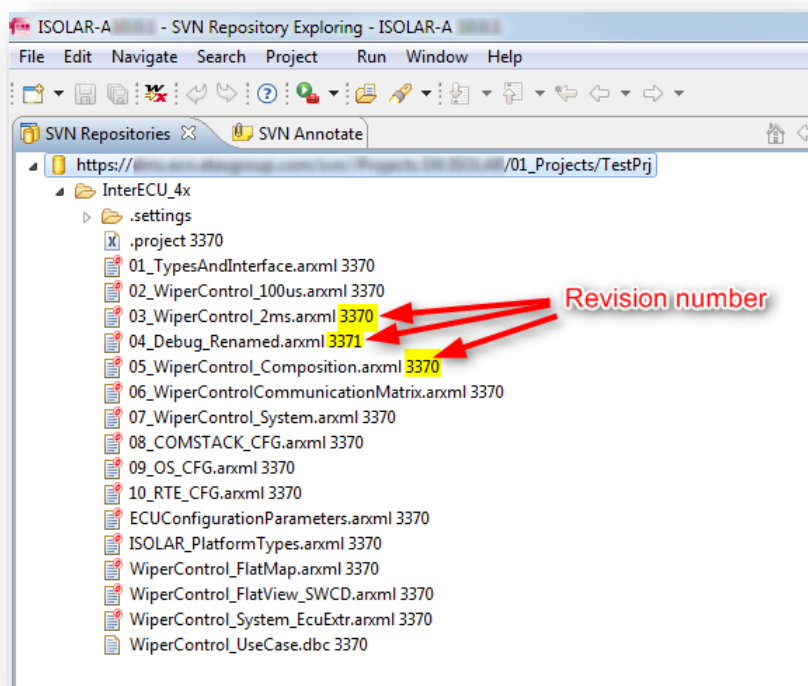

   o Remark: The URL to a remote repository may look different, for example starts with "**https://**" instead of "**file:///**"
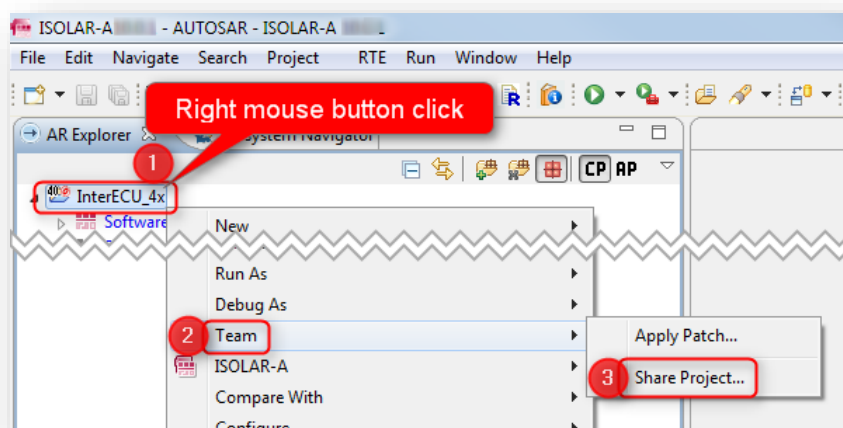
3. Result (for remote repository):

4. Expand the repository node to see single files and their revision number
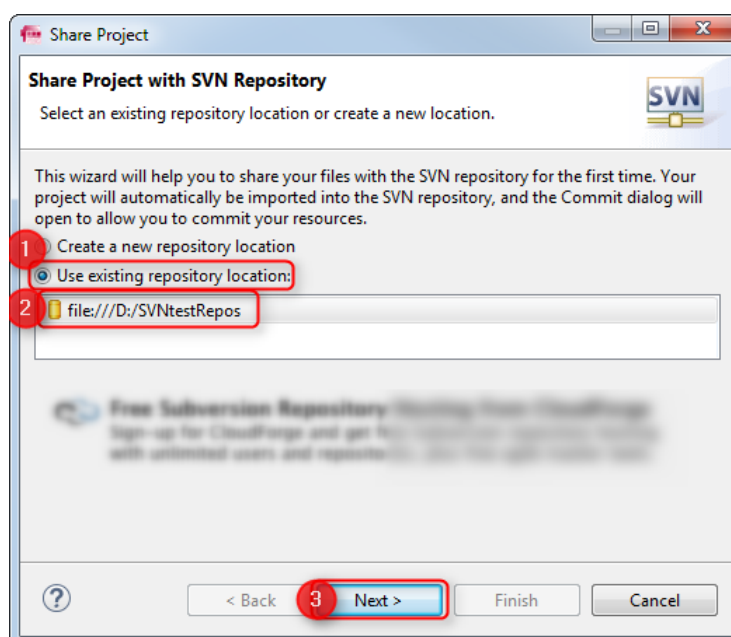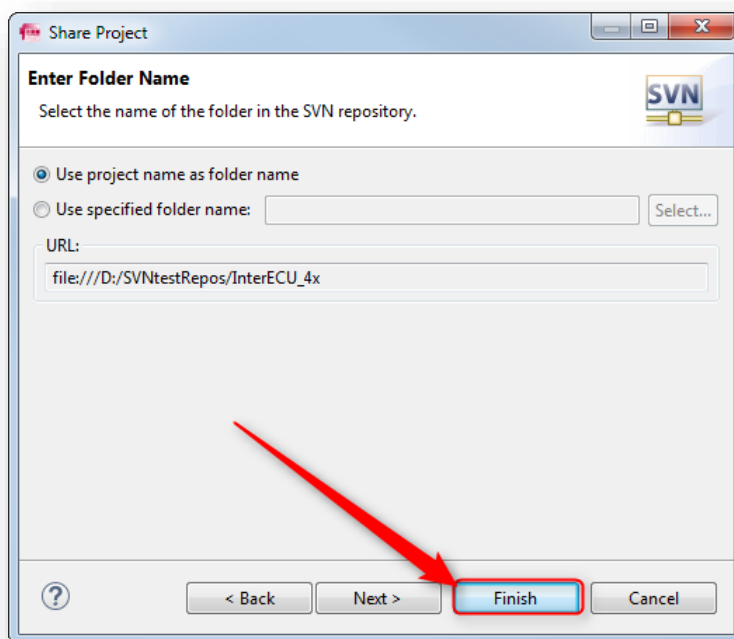
Use case: Add project to repository

1. In **ISOLAR-A** → **AR Explorer** → On project: Right mouse button click → **Team** → **Share Project...**
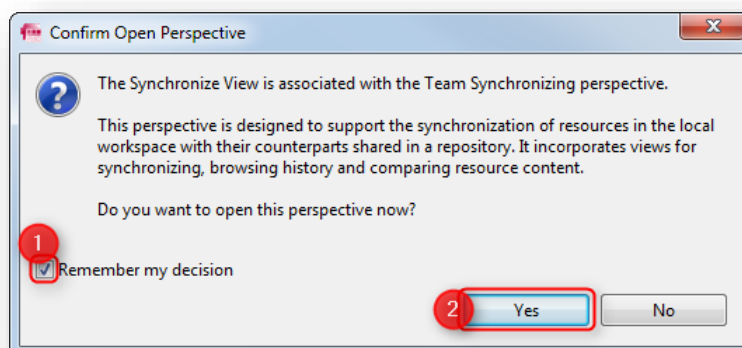
2. In dialog **Share Project**: Click **Use existing repository location** → Select location → Click **Next >** button
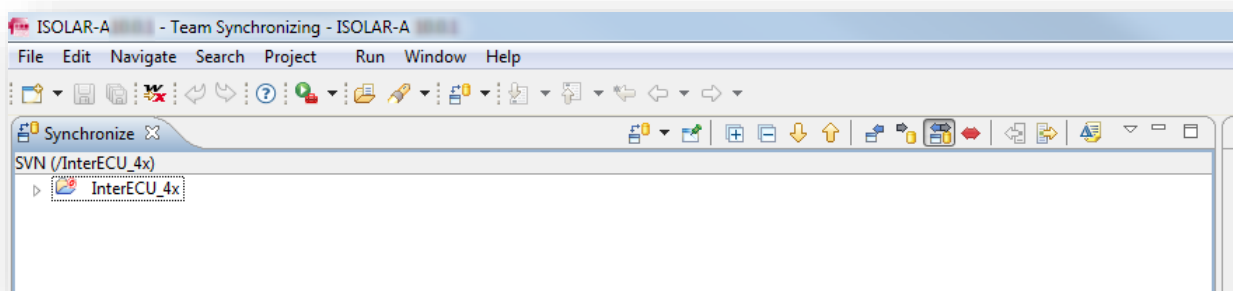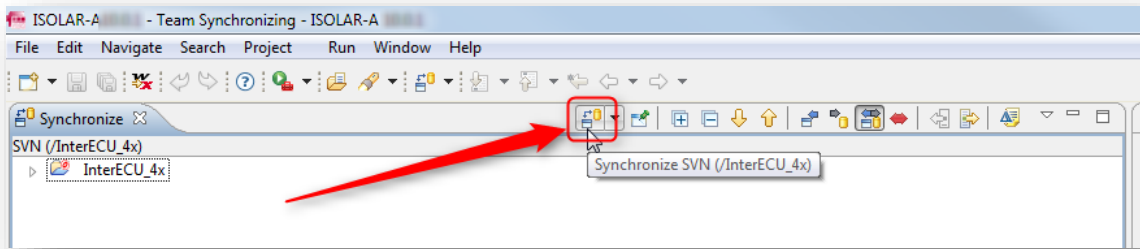
3. Click **Finish** button

4. In dialog **Confirm Open Perspective**: Check **Remember my decision** → Click **Yes** button
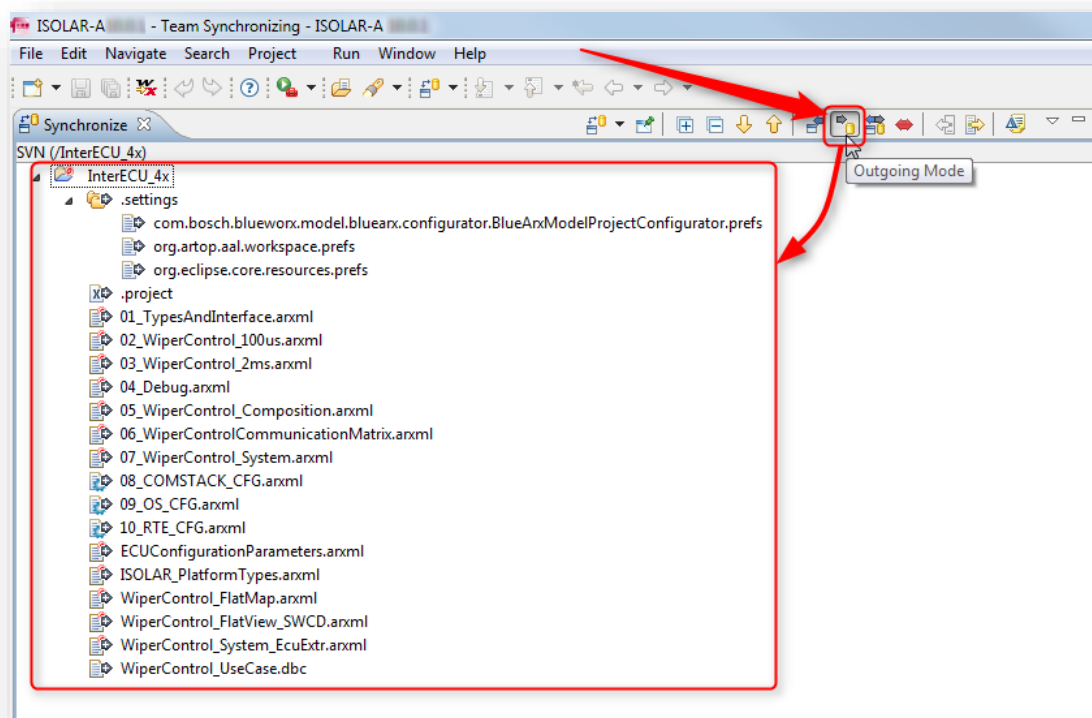

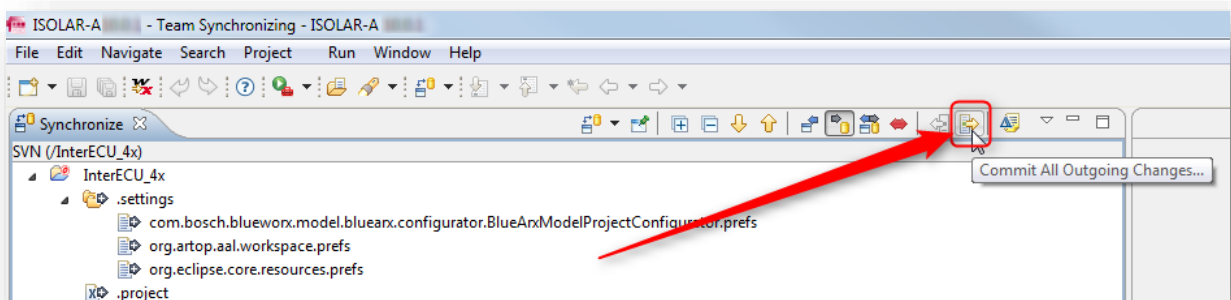5. Result: The **Synchronize** view is displayed
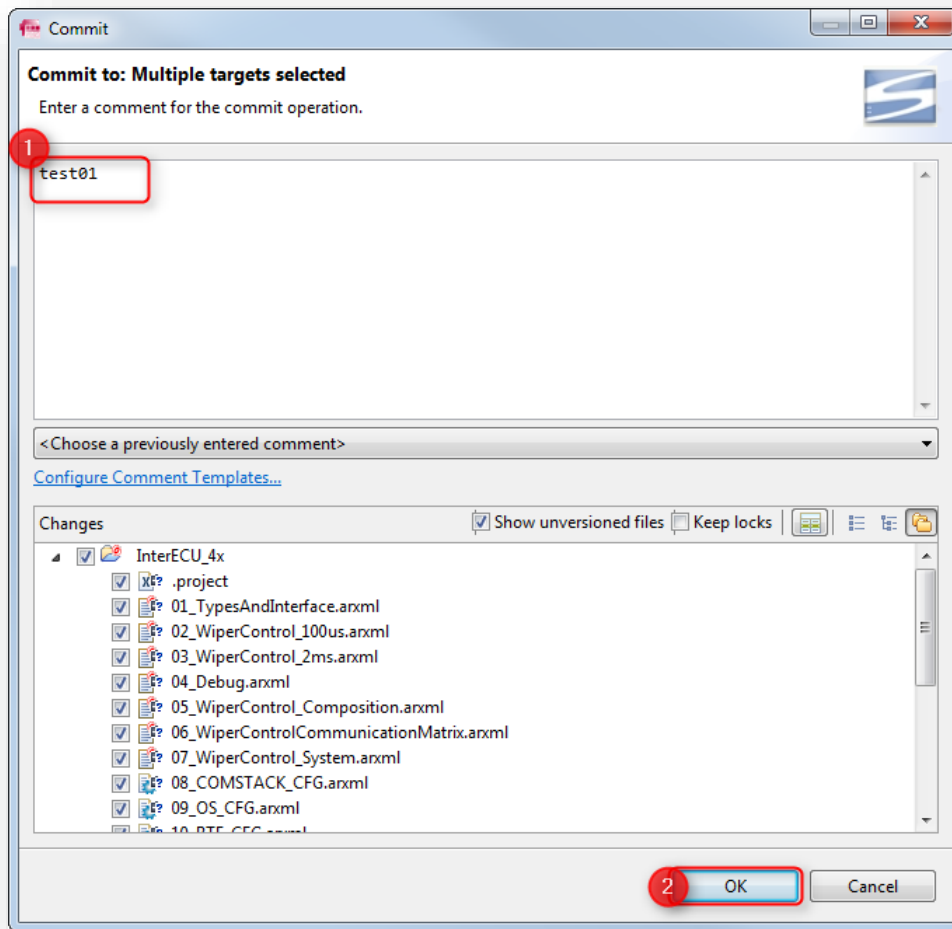
6. Click **Synchronize SVN** button

7. Click **Outgoing Mode** button → Result: Files that will be uploaded to the repository are listed
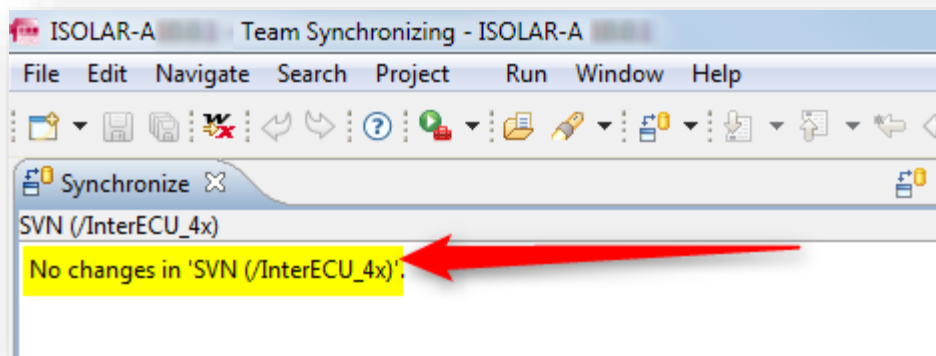

8. Click **Commit All Outgoing Changes...** button

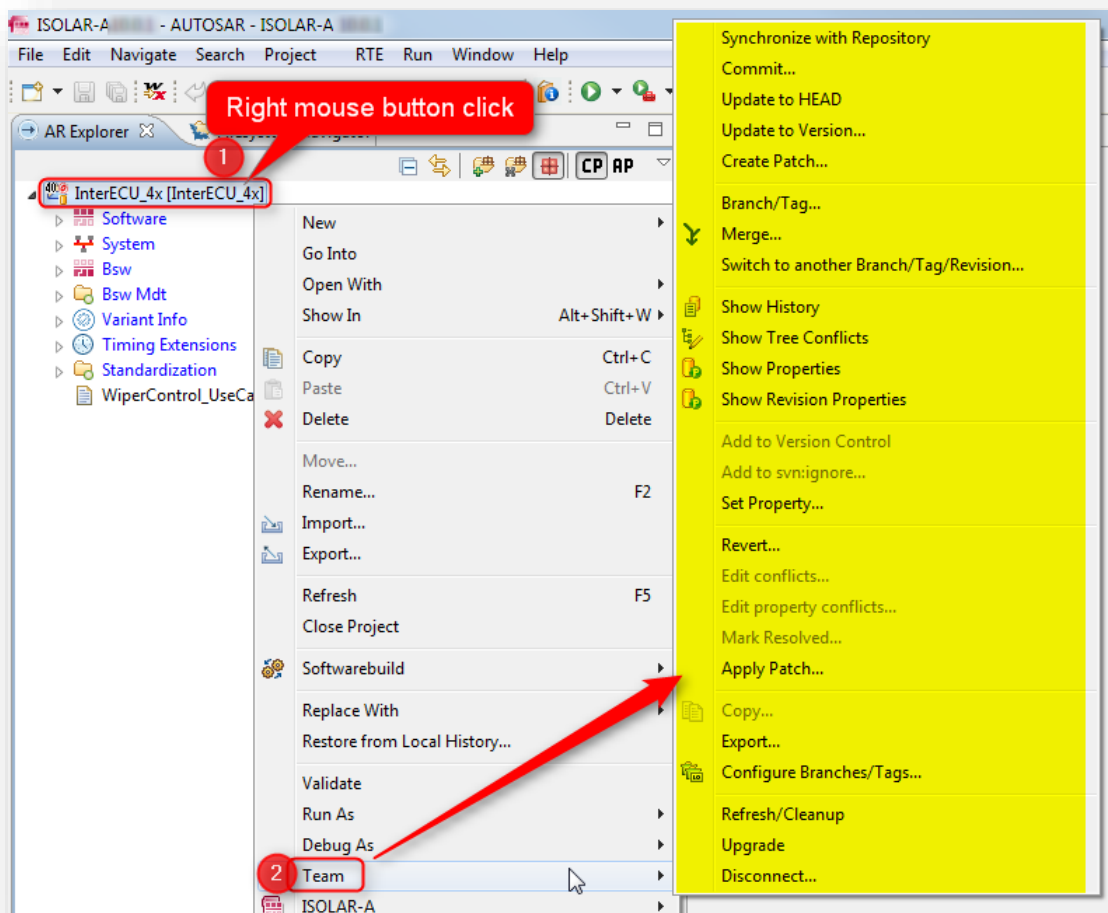9. In dialog **Commit** → Enter a comment for the commit operation → Click **OK** button

10. Result: "No changes ...": Local working copy is in sync with version in the SVN repository

Additional information

- There are more SVN commands like **Show History** or **Switch to another Branch** available
- In **AR Explorer** → On project or any component: Right mouse button click → **Team**

Do you still have questions?

- You will find **further FAQ articles** on the ETAS homepage: www.etas.com/en/faq
- **Movies** corresponding to FAQ articles can be found on the ETAS YouTube channel
- Please feel free to contact our Support Center, if you have further questions.
- Here you can find all information: http://www.etas.com/en/hotlines.php