



The Eclipse BrightScript Plugin Guide

Copyright (c) 2009, 2010, 2011 Roku Inc. All rights reserved. Use of this Roku SDK Documentation is limited and expressly conditioned on consent to and compliance with the terms and conditions of the Roku Channel Developer Agreement.
http://www.roku.com/Libraries/Legal/Roku_Channel_Developer_Agreement.sflb.ashx

Table of Contents

1.0 Installation	3
2.0 Run the BrightScript Plugin.....	6

1.0 Installation

First, you will need to install eclipse. We have tested against the Helios release v3.6. It will now install on the Indigo release v3.7 and we are looking for your feedback here. We have only tested against the Eclipse IDE for Java Developers so please install that version. In order to install to a location shared by multiple users, you must be an administrator. So become su before launching eclipse and doing the install. If you are not the super user, you may get the following errors when trying to install the plugin:

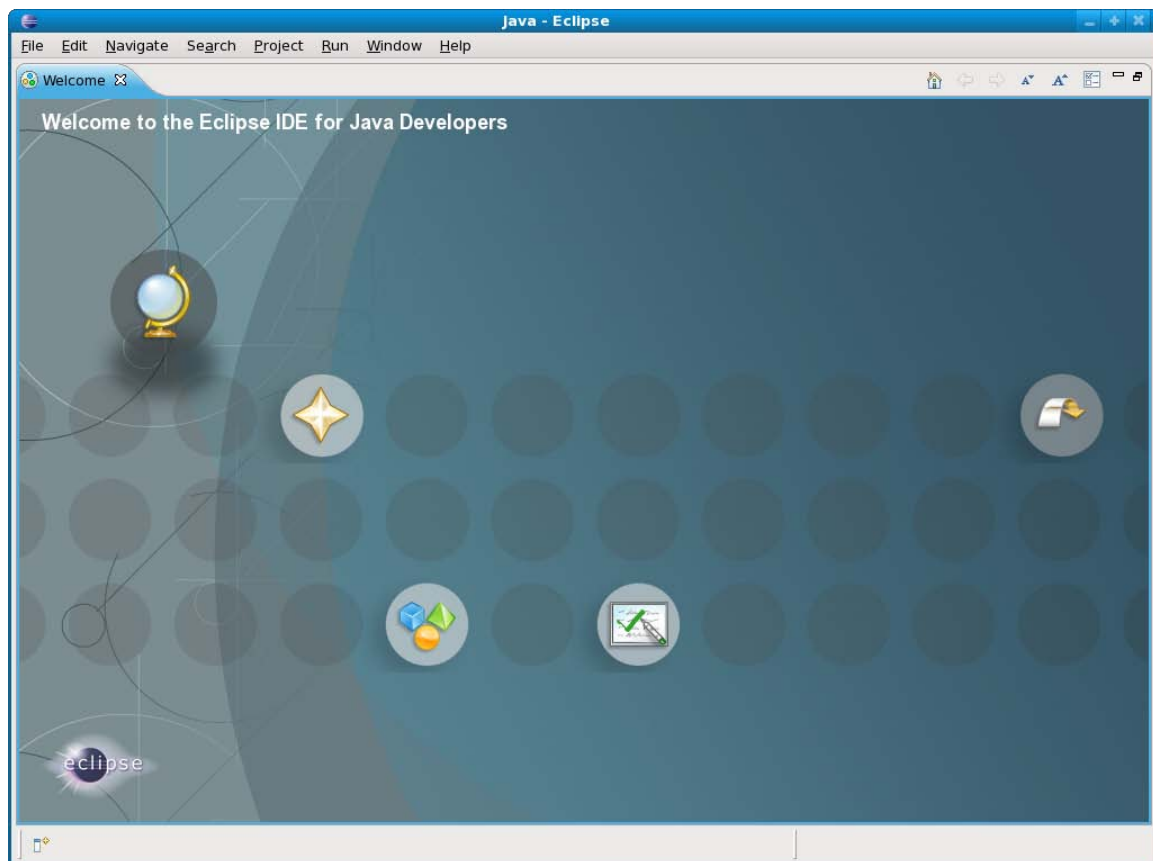
Cannot complete the install because one or more required items could not be found.

Software currently installed: Shared profile 1.0.0.1316138634362

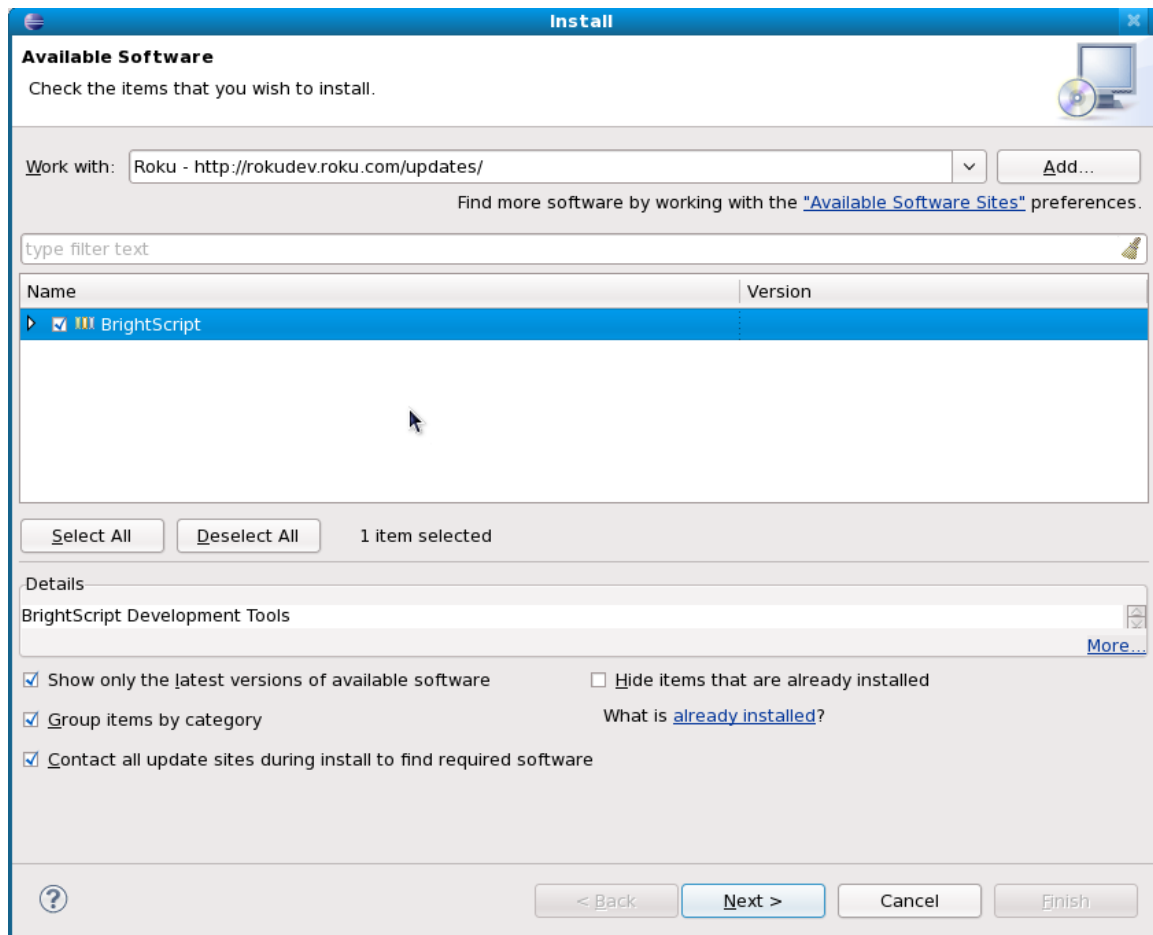
(SharedProfile_epp.package.java 1.0.0.1316138634362)

Missing requirement: Shared profile 1.0.0.1316138634362 (SharedProfile_epp.package.java 1.0.0.1316138634362) requires 'org.maven.ide.eclipse [1.0.100.20110804-1717]' but it could not be found

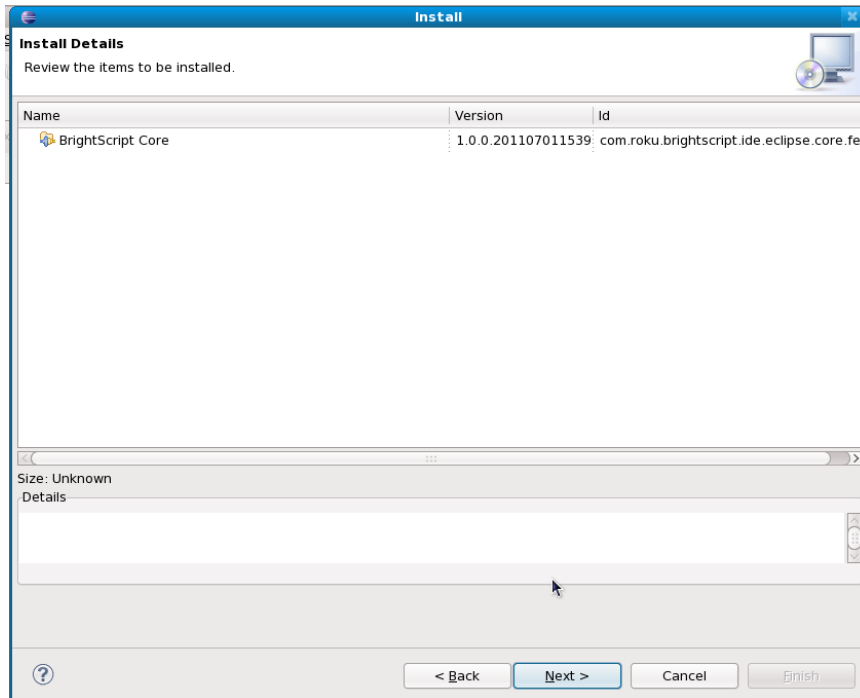
Once the Brightscript plugin is installed, you'll be able to run it as a regular user. After launching eclipse, you will click on arrow to the far right of the screen to enter the functional Workbench:



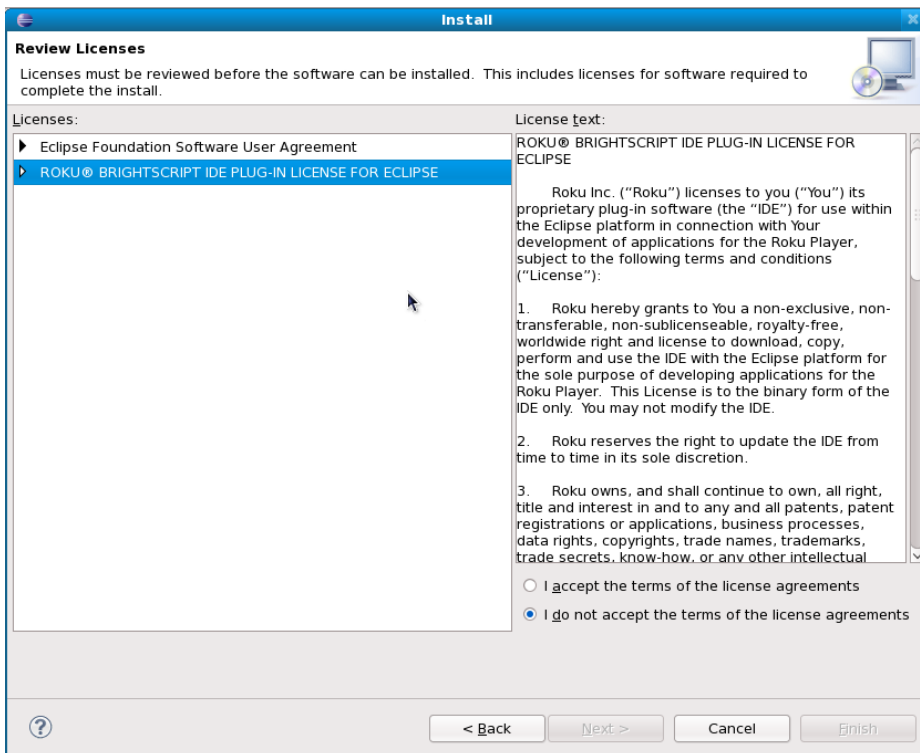
Under the menu item Help->Install New Software you will get the following dialog where you can enter the update site <http://rokudev.roku.com/updates/>. In the dialog, select the BrightScript feature and be sure that "Contact all update sites during install to find required software" is selected. Then click on "Next". If you are trying to run on eclipse 3.7 Indigo, you will have to add a couple of other update sites to get the DLTk 2.0 dependencies automatically resolved. These update sites are: <http://download.eclipse.org/modeling/emf/updates/releases/> and <http://download.eclipse.org/technology/dltk/updates/>



Select BrightScript Core and click “Next”

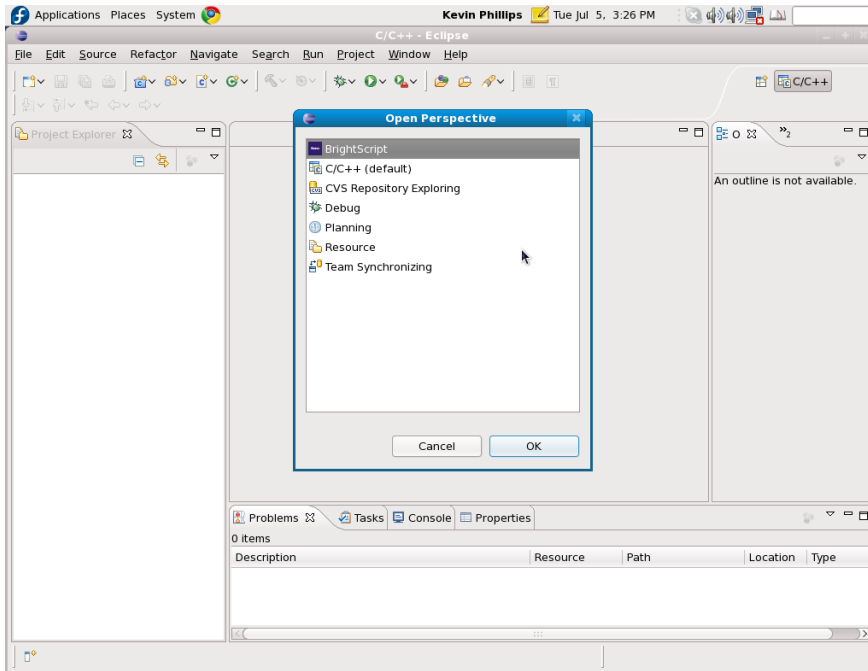


Review and accept the license:

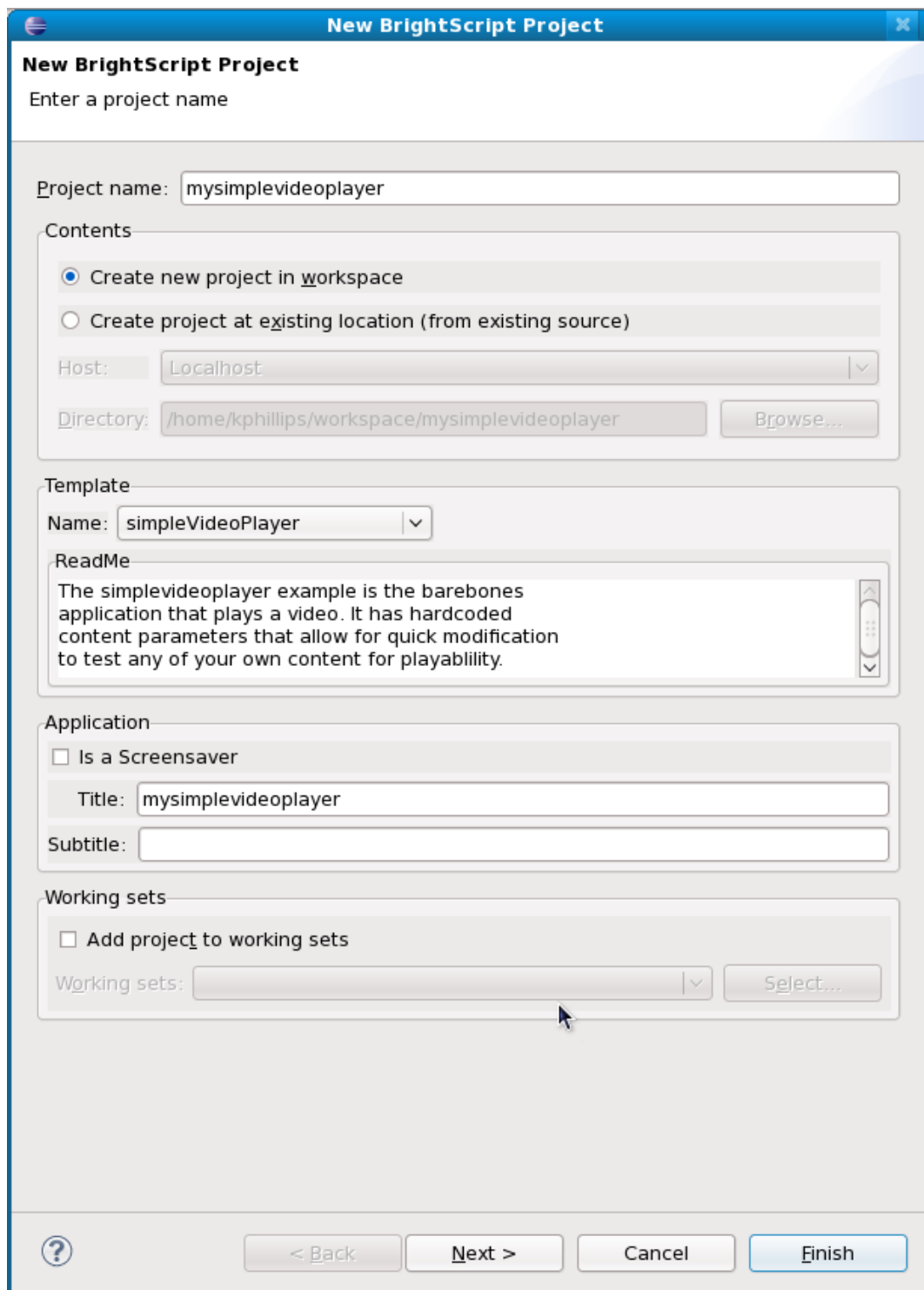


2.0 Run the BrightScript Plugin

Open the BrightScript Perspective by selecting Window->Open Perspective->Other...



If you select File->New->BrightScript Project you can bring up the new project wizard and select from a few sample project templates on which to base your project.



The image shows a 'New BrightScript Project' wizard dialog box. It has a title bar with a blue gradient and a close button. The main title is 'New BrightScript Project' in bold. Below it, the instruction 'Enter a project name' is displayed. The dialog is divided into several sections: 'Project name' with a text field containing 'mysimplevideoplayer'; 'Contents' with two radio buttons, the first of which is selected ('Create new project in workspace'); 'Host' with a dropdown menu showing 'localhost'; 'Directory' with a text field showing a file path and a 'Browse...' button; 'Template' with a dropdown menu showing 'simpleVideoPlayer'; a 'ReadMe' section with a text area containing descriptive text; 'Application' with a checkbox for 'Is a Screensaver', a 'Title' field with 'mysimplevideoplayer', and a 'Subtitle' field; and 'Working sets' with a checkbox for 'Add project to working sets' and a 'Working sets' dropdown with a 'Select...' button. At the bottom, there is a help icon, and four buttons: '< Back', 'Next >', 'Cancel', and 'Finish'.

New BrightScript Project

Enter a project name

Project name:

Contents

☒ Create new project in workspace

☐ Create project at existing location (from existing source)

Host:

Directory:

Template

Name:

ReadMe

The simplevideoplayer example is the barebones application that plays a video. It has hardcoded content parameters that allow for quick modification to test any of your own content for playability.

Application

☐ Is a Screensaver

Title:

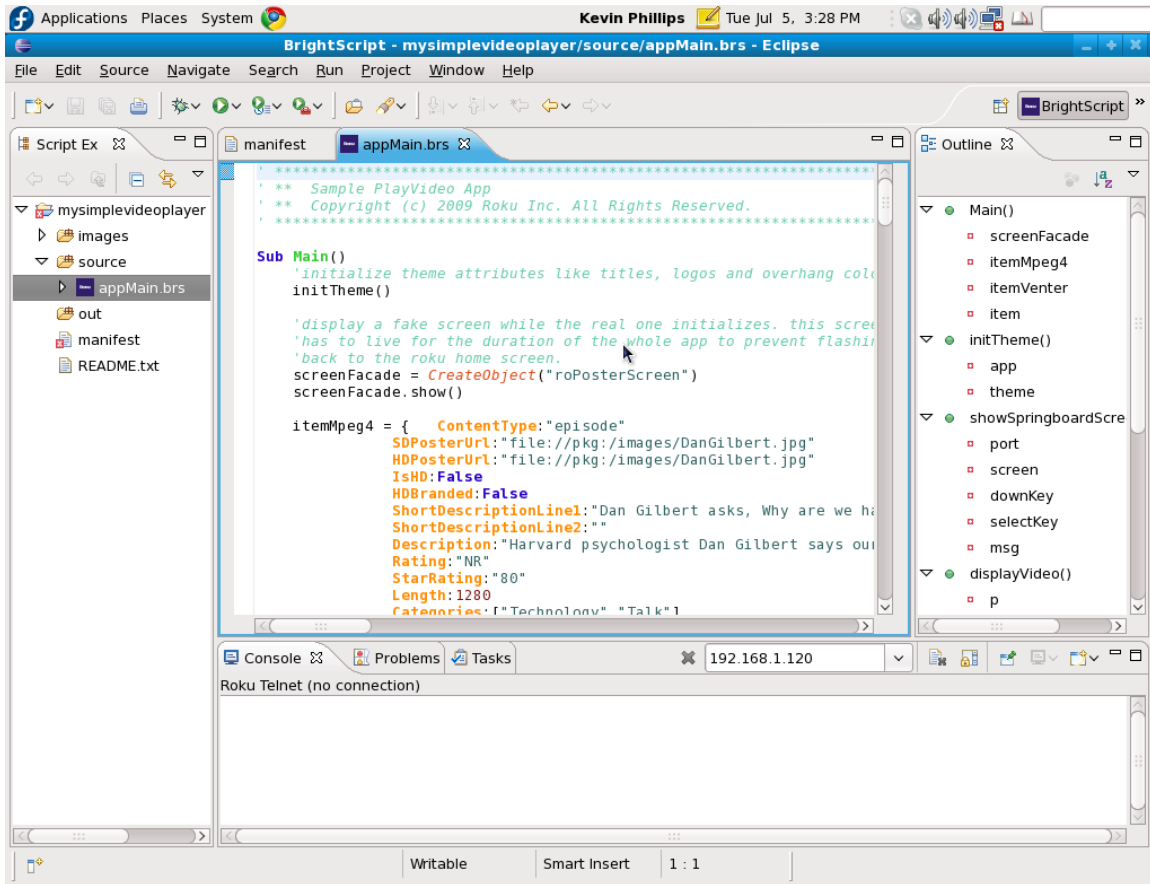
Subtitle:

Working sets

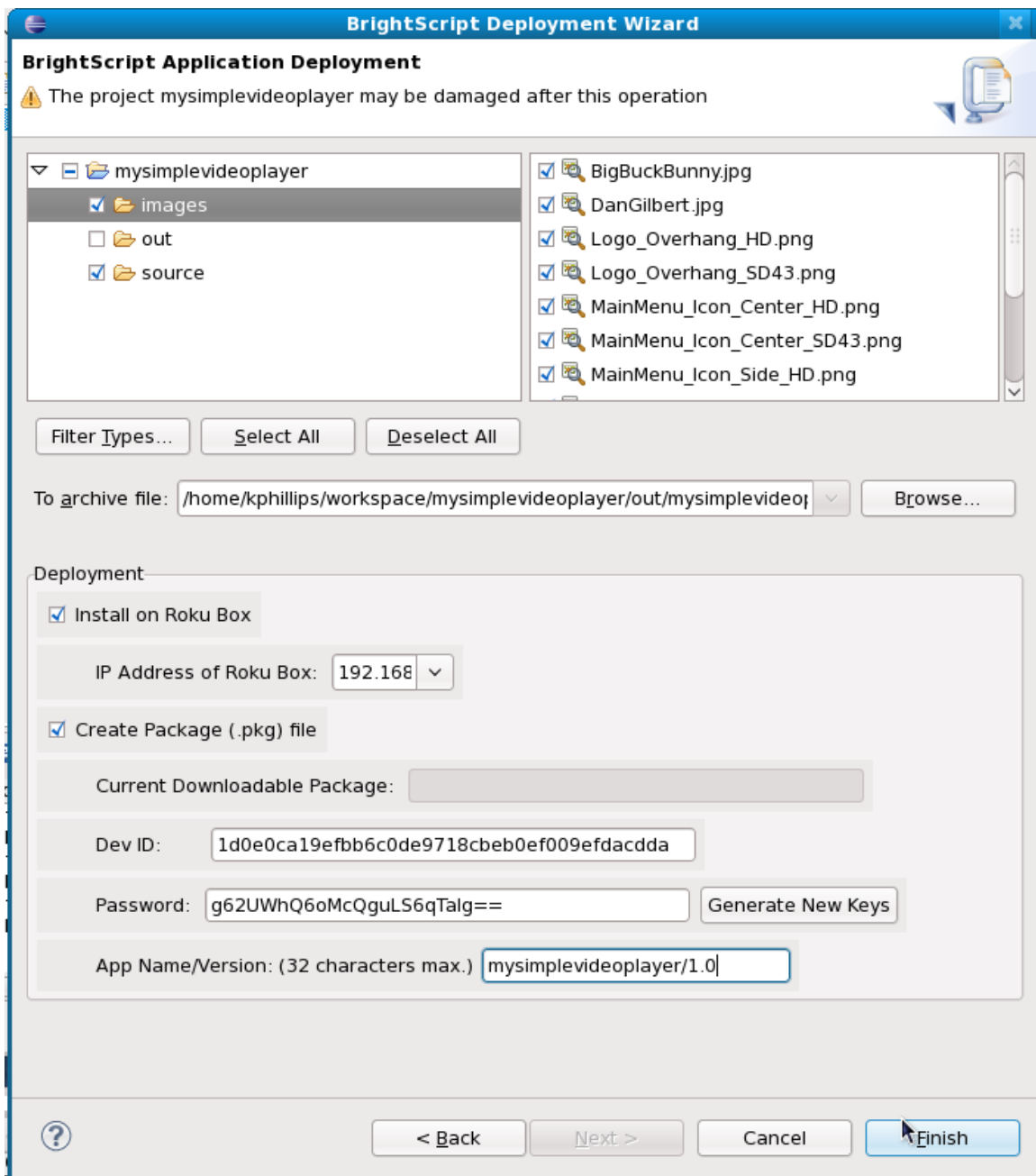
☐ Add project to working sets

Working sets:

The editor does syntax highlighting. At this point, you may see some false positives on syntax errors. We will improve the syntax checker in the future.



In order to install your project onto a Roku, select File->Export which will side load your project onto a box in developer mode or create a package. The Export wizard will also offer to generate a new key and save your packaging key password.



The console window has a drop down list of Roku boxes on your network. Once you select one, the plugin will telnet to that box using port 8085 so you can debug in an eclipse window.

