

Project Tool Window

View | Tool Windows | Project

The **Project** tool window lets you look at your project from various viewpoints and perform the tasks such as creating new items (directories, packages, files, classes, etc.), opening files in the editor, navigating to the code fragment of interest, and more.

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Views

The tool window provides a number of views.

Different views emphasize different project aspects and, generally, define which items are shown and how:

- **Project** view. In this view, all the project items along with their dependencies (SDKs and libraries) are shown. The emphasis is on the directory structure (though the packages are also shown).
- **Packages** view. The emphasis is on the package structure of the project. The modules, SDKs and libraries, by default, are not shown.
- **Scope views (Project Files, Problems, etc.)**. What is shown in the content pane is limited to the corresponding predefined or user-defined [scope](#). In other respects, depending on the currently selected view options, a scope view may resemble the **Project** or the **Packages** view.

The necessary view is selected from the list in the left-hand part of the title bar or, if the views are represented by tabs, by clicking the corresponding tab.

To configure a view, use the corresponding options in the [title bar context menu](#). The necessary options can also be accessed by clicking  on the title bar.

Title bar context menu

The title bar context menu provides the options that let you control every aspect of the tool window appearance and behavior.

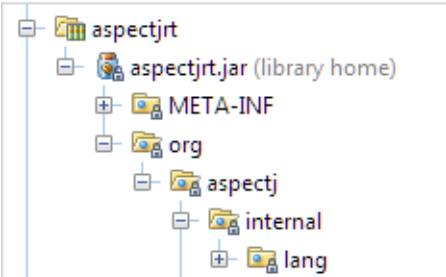
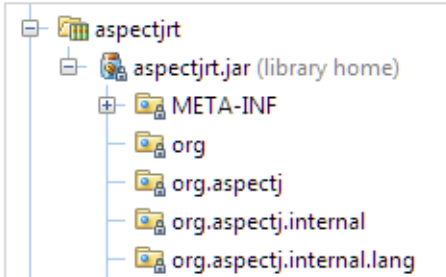
There are the options for configuring the project [views](#). There are also the ones for controlling the tool window [viewing modes](#).

The options that are on, have a check mark to the left of their names.

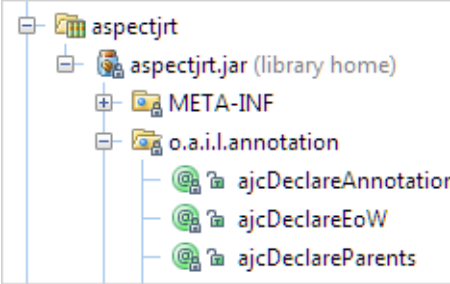
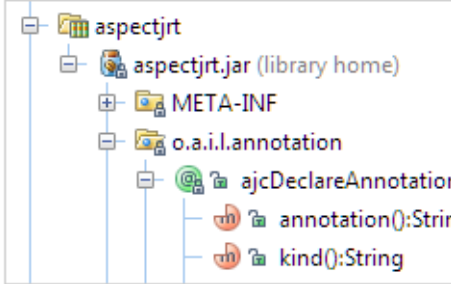


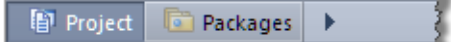
The menu also includes commands for switching between the views, resizing the tool window, and more.

To access the menu, right-click the list of views in the left-hand part of the title bar, or, if the views are represented by tabs, right-click the tab of interest.

The following table lists and briefly explains the available commands and options.






Item	Shortcut	Description
Select Next View or Select Next Tab	Alt+Right	Use this command to select the view which is next in the list of available v If the views are currently shown as tabs, the tab to the right of the currel will be selected.
Select Previous View or Select Previous Tab	Alt+Left	Use this command to select the view which is previous in the list of availat views. Note that previous in this case doesn't mean previously selected. If the views are currently shown as tabs, the tab to the left of the current will be selected.
Show List of Views or Show List of Tabs	Alt+Down	Use this command to show the list of available views (e.g. to select a diffe view).
Edit Scopes		Use this command to open the Scopes dialog in which you can create and used-defined scopes . Note that this command is available only if the current view is a scope view
Flatten Packages		<p>If this option is off, the packages are shown as a hierarchy. If this option i all the packages appear at the same level and are identified by their qualifi names.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="555 1160 1011 1487" style="border: 1px solid gray; padding: 5px;"> <p style="text-align: center;">Flatten Packages: OFF</p>  </div> <div data-bbox="1050 1160 1506 1487" style="border: 1px solid gray; padding: 5px;"> <p style="text-align: center;">Flatten Packages: ON</p>  </div> </div>


Item	Shortcut	Description
Compact Empty Middle Packages or Hide Empty Middle Packages		<p>If the Flatten Packages option is off, the option is called Compact Empty Middle Packages; if the Flatten Packages option is on, the option name is Hide Empty Middle Packages.</p> <p>This option lets you specify how or whether empty packages are to be shown (Empty packages are ones that contain nothing but other packages.)</p> <p>If the option is on, empty packages are shown compacted or not shown at all (hidden).</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="555 465 1018 792"> <p>Compact Empty Middle Packages: OFF</p> </div> <div data-bbox="1050 465 1513 792"> <p>Compact Empty Middle Packages: ON</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div data-bbox="555 808 1018 1135"> <p>Hide Empty Middle Packages: OFF</p> </div> <div data-bbox="1050 808 1513 1135"> <p>Hide Empty Middle Packages: ON</p> </div> </div>
Abbreviate Qualified Package Names		<p>This option is available only if the Flatten Packages option is on.</p> <p>If the option is on, most of the initial <name>. fragments in qualified package names are abbreviated.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="555 1570 1018 1897"> <p>Abbreviate Qualified Names: OFF</p> </div> <div data-bbox="1050 1570 1513 1897"> <p>Abbreviate Qualified Names: ON</p> </div> </div>

Item	Shortcut	Description
Show Members		<p>If this option is on, the class members (fields, methods, etc.) are shown.</p> <p>Show Members: OFF</p>  <p>Show Members: ON</p> 
Autoscroll to Source		<p>If this option is on, IntelliJ IDEA automatically navigates from a file (or a class member) selected in the Project tool window to the corresponding source (or its fragment) in the editor. If the corresponding file is not currently open, it will open automatically.</p>
Autoscroll from Source		<p>If this option is on, IntelliJ IDEA automatically navigates from a file in the editor to the corresponding node (file, class, field, method, etc.) in the Project tool window.</p> <p>Note that selecting this option makes the Scroll to Source button  unavailable.</p>
Sort by Type		<p>If the option is off, the items (files, classes, etc.) are sorted alphabetically. If the option is on, the files are sorted by their extensions. The .java files appear in the following order: interfaces, classes, enumerations, etc.</p>
Folders Always on Top		<p>If the option is on, all the folders are shown before the files. Otherwise, all items are sorted alphabetically, and the files and folders appear intermixed.</p>
Show Modules		<p>This option is available only in the Packages and scope views. (In the Project view, modules are always shown.)</p> <p>Turn this option on or off to show or hide modules.</p>
Show Libraries Contents		<p>This option is available only in the Packages view. (In the Project view, libraries are always shown; in the scope views, libraries are never shown.)</p> <p>Turn this option on or off to show or hide libraries and their contents.</p> <p>Note that within the Libraries category are the libraries included in module dependencies and also the SDKs associated with your modules.</p>
Pinned, Docked, Floating, Split Mode		<p>These options let you control general appearance and behavior of the tool window. See Viewing Modes.</p>
Show Views as Tabs		<p>If this option is off, there is a list in the left-hand part of the title bar from which you can select the necessary view. If this option is on, the views are represented by tabs which appear in the left-hand part of the title bar.</p> <p>Show Views as Tabs: OFF</p>  <p>Show Views as Tabs: ON</p> 

Item	Shortcut	Description
Move to		To associate the tool window with a different tool window bar , select this command, and then select the destination tool window bar (Top , Left , Bottom or Right).
Resize		To resize the tool window by moving one of its borders, select this command and then select the necessary Stretch to option. Note that this command is not available for the floating mode.
Hide	Shift+Escape	Use this command to hide the tool window.

Title bar icons



Item	Shortcut	Description
	Alt+Right Alt+Left	If the views are currently shown as tabs (the Show Views as Tabs option is on), this button appears to the right of the last visible tab. If the first or the last of the available views is currently selected, this button is shown as  or  .
		Click this button to navigate from a file in the editor to the corresponding node (file, class, field, method, etc.) in the Project tool window. Note that this button is not available, if the Autoscroll from Source option is currently on.
	Ctrl+NumPad - or Ctrl+Minus	Use this icon or shortcut to collapse all the nodes.








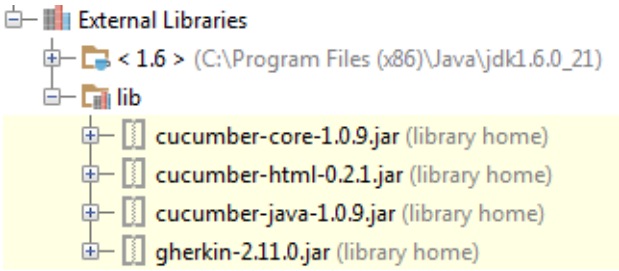

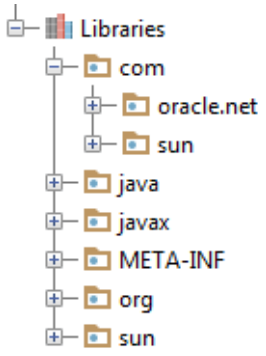
Item	Shortcut	Description
		<p>Click this button to open the menu for configuring the current view and changing the tool window viewing modes.</p> <p>Note that most of the menu items are options that you can turn on or off. An option which is on has a check mark to the left of its name.</p> <p>The available options are a subset of the title bar context menu items. Depending on the current view, the menu may include the following options:</p> <ul style="list-style-type: none"> ■ Edit Scopes ■ Flatten Packages ■ Compact or Hide Empty Middle Packages ■ Abbreviate Qualified Package Names ■ Show Members ■ Autoscroll to Source ■ Autoscroll from Source ■ Sort by Type ■ Folders Always on Top ■ Show Modules ■ Show Libraries Contents ■ Pinned Mode, Docked Mode, Floating Mode, Split Mode
	Shift+Escape	<p>Use this icon or shortcut to hide the tool window.</p> <p>When used in combination with the Alt key, clicking this icon hides all the tool windows attached to the same tool window bar.</p>

Content pane: main items

The content pane shows the project items such as modules, packages, directories, files, classes, libraries, etc.

The icons for the main categories (node types) are shown and briefly explained in the following table. The icons used for the main file types are listed in [File Types Recognized by IntelliJ IDEA](#); the icons for the main symbols (classes, fields, methods, etc.) are shown in [Symbols](#).

Item	Description
	A module.
	A package.

Item	Description
	<p>A folder (directory). Different folder types have different colors:</p> <ul style="list-style-type: none"> ■ An "ordinary" folder . ■ A source folder . ■ A test source folder . <p>For more information on folder types, see Content Root.</p>
	<p>Libraries, a category for grouping the SDKs associated with your modules and the libraries included in module dependencies.</p> <p>When the Project view is selected, there is one such node for the whole project which is labeled External Libraries.</p> <p>The subcategories in this case are the SDKs (for example, JSDKs ) and individual libraries ().</p>  <p>When the Packages view is selected, the corresponding node or nodes are labeled Libraries. If the Show Modules and the Show Libraries Contents options are selected, there is an individual Libraries node for each of the modules. The main subcategory in this case is a package (.</p> 

Content pane: context menu commands

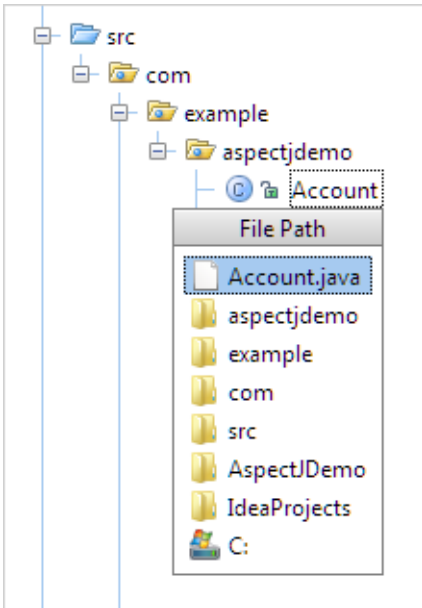
When you right-click an item in the content pane, the context menu for this item is shown. This menu provides access to all the functions available for the selected item.


The following table lists and briefly explains the most frequently used context menu commands.

Item	Shortcut	Description
New	Alt+Insert	Use this command to create a new item (module, package, directory, file, class, etc.) within the selected one (project, module, directory or package) Select the new item type from the submenu.

Item	Shortcut	Description
Add Framework Support		For a module: use this command to add support for certain frameworks and technologies in the selected module. (The Add Frameworks Support dialog will open.)
Cut	Ctrl+X or Shift+Delete	Use this command to move the selected item or items from the current location to the clipboard.
Copy	Ctrl+C or Ctrl+Insert	Use this command to copy the selected item or items to the clipboard.
Copy Path(s)	Ctrl+Shift+C	Use this command to copy the full path(s) of the selected item or items to the clipboard.
Copy Reference	Ctrl+Shift+Alt+C	Use this command to copy a reference to the selected item to the clipboard.
Paste	Ctrl+V or Shift+Insert	Use this command to insert the contents of the clipboard into the selected location.
Jump to Source	F4	Use this command to open the selected file in the editor and make this file active. If the file is already open, it will just become active.
Open Module Settings	F4	Use this command to see the settings for the selected module. These will be shown on the Modules page in the Project Structure dialog .
Find Usages	Alt+F7	Use this command to find the usages of the selected item. (The Find Usages dialog will open.)
Find in Path	Ctrl+Shift+F	Use this command to perform a text search. (The Find in Path dialog will open.)
Replace in Path	Ctrl+Shift+R	Use this command to perform text search-and-replace. (The Replace in Path dialog will open.)
Analyze		Use this command to access the functions related to code inspection and analysis .
Refactor		Use this command to perform one of the refactorings available for the selected item.
Add to Favorites		Use this command to add the selected item to an existing or new list of favorite items. See Managing Your Project Favorites .
Show Thumbnails	Ctrl+Shift+T	Use this command to view thumbnails for image files located in the selected directory. (The Thumbnails tool window will open.)
Browse Type Hierarchy	Ctrl+H	For a file (normally, a class): use this command to see the class hierarchy for the selected file (class). (The Hierarchy tool window will open.) See also, Viewing Structure and Hierarchy of the Source Code .








Item	Shortcut	Description
Reformat Code	Ctrl+Alt+L	Use this command to reformat the source code in the selected file or in all files in the current directory. (The Reformat Code dialog will open.) See also, Reformatting Source Code .
Optimize Imports	Ctrl+Alt+O	Use this command to optimize imports (i.e. to remove unnecessary <code>import</code> statements) in the selected file or in all files in the current directory. (The Optimize Imports dialog will open.) See also, Optimizing Imports .
Delete	Delete	Use this command to delete the selected item. Use with care!
Remove Module	Delete	Use this command to remove a module from your project. Note that the files that make up the module are not physically removed from the disk.
Make Module '<name>'		Use this command to make the current module. See Compilation Types and Reviewing Compilation and Build Results .
Compile '<name>'	Ctrl+Shift+F9	Use this command to compile the selected source file or all the source files in the selected directory. See Compilation Types and Reviewing Compilation and Build Results .
Local History		Use this command to view local history for the selected file or directory, or to create a label for the current version of your project. See Local History and Using Local History .
Synchronize '<name>'		Use this command to synchronize the selected item with its version saved in the file system. (If you change a file or directory contents externally, IntelliJ IDEA, under certain circumstances, may not be aware of the corresponding changes unless you use this command.)
Show in Explorer		Use this command to open a file browser (e.g. Windows Explorer or Finder) and show the selected item there.





Item	Shortcut	Description
File Path	Ctrl+Alt+F12	<p>Use this command to open the File Path menu. This menu shows the path from the file system root to the selected element with individual directories as the menu items.</p>  <p>When you select an item in this menu (e.g. a directory), a file browser (e.g. Windows Explorer or Finder) opens, and the selected item is shown there.</p>
Compare Directory with	Ctrl+D	<p>Use this command to compare the contents of the selected directory with the contents of some other local directory. The other directory is selected in the corresponding dialog. See Comparing Folders and Differences Viewer for Folders and DB Objects.</p>
Compare File with Editor		<p>Use this command to compare the contents of the selected file with the contents of the file active in the editor. See Comparing Files and Differences Viewer.</p>

Item	Shortcut	Description
Mark Directory As		Use this command to make the selected directory a source root or a test source root, to make the directory excluded, etc. The necessary category for the directory is selected from the submenu. For more information on the categories for directories, see Content Root .
Mark as Plain Text		Use this command to exclude the selected file from project, so it is ignored by inspections, code completion, navigation, etc. The file will be indicated with a special icon  and shown as plain text in the editor. For more details, see Excluding Files from Project .
Diagrams	Ctrl+Shift+Alt+U or Ctrl+Alt+U	Use this command to open a diagram (e.g. a UML diagram) for the selected item. For more information, see Diagram Reference .
Update Copyright		Use this command to update the copyright notice for the selected files and folders. See Configuring Copyright Profiles and Generating and Updating Copyright Notice .
WebServices		Use this command to access the functions related to developing Web services. See Web Services and Web Service Clients .

Content pane: file status highlights

IntelliJ IDEA uses colors to denote VCS file status in the Project tool window. The following table presents information about the meaning of the colors.

Color	File Status	Description
Black	Up to date	File is unchanged.  <code>PhantomsTest.java</code>
Gray	Deleted	File is scheduled for deletion from the repository.  <code>privatent.txt</code>
Blue	Modified	File has changed since the last synchronization.  <code>Advice.java</code>
Green	Added	File is scheduled for addition to the repository.  <code>ResultTest.java</code>
Violet	Merged	File is merged by your VCS as a result of an update.  <code>VcsHistoryDialog.java</code>
Brown	Unknown	File exists locally, but is not in the repository, and is not scheduled for adding.  <code>Test.xml</code>
Olive	Ignored	File will be ignored in any VCS operation.  <code>Test.html</code>

Color	File Status	Description
Light brown	Hijacked	File is modified without checkout . This status is valid for the files under Perforce, ClearCase and VSS.  HelpTOC.xml
Red	Merged with conflicts	During the last update, file was merged with conflicts.  HistoryTestCase.java
Lilac	Externally deleted	File is deleted locally, but was not scheduled for deletion, and still exists in the CVS repository.  test1.txt
Dark cyan	Switched	The file is taken from a different branch than the whole project. This status is valid for CVS and SVN.  test1.txt

See Also

Concepts:

- [Project](#)
- [Scope](#)

Procedures:

- [Creating and Managing Projects](#)

Reference:

- [Scopes](#)
- [File Types Recognized by IntelliJ IDEA](#)
- [Symbols](#)
- [Editor. Colors and Fonts](#)

Getting Started:

- [IntelliJ IDEA Tool Windows](#)

Web Resources:

- [Developer Community](#) 