

# CVS Roots Dialog

## VCS | CVS | Configure CVS Roots

Use this dialog box to set up CVS roots. The dialog box is available for files and directories that are under CVS version control.

### Common options

Item	Description
	Click this button to configure a new CVS root.
	Click this button to remove the selected CVS root configuration from the list.
	Click this button to create a copy of the selected CVS root.
Global Settings	Click this button to open the <a href="#">Global CVS Settings</a> dialog box where you can set up CVS options at the global level.
CVS root	In this text box, specify the CVS repository string according to the following syntax: [:method:][[:user][:password]@]hostname[:[port]]/path/to/repository. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"><p>Obtain the valid string from your system administrator or click the <b>Edit by Field</b> button to open the <a href="#">Configure CVS Root Field by Field</a> dialog box where you can specify the mandatory connection parameters and have IntelliJ IDEA <a href="#">assemble</a> them into a correct repository string.</p></div>
Edit by Field	Click this button to open the <a href="#">Configure CVS Root Field by Field</a> dialog box where you can specify the mandatory connection parameters and have them assembled into a CVS root string automatically.

Item	Description
Use version	<p>Use this section to specify the revision you want to synchronize your local working copy with. The available options are:</p> <ul style="list-style-type: none"> <li>■ <b>HEAD revision:</b> this option is suggested by default.</li> <li>■ <b>By tag:</b> select this option to access the revision with a specific tag. Type the desired tag in the text box or click the <b>Browse</b> button  and select the desired tag from the list. The list shows all the tags available on the CVS server according to the specified CVS root.</li> <li>■ <b>By date:</b> select this option to access the revision with a specific date and time stamp. Type the end date and time in the format <code>dd:mm:yy hh:mm:ss</code> or click the <b>Browse</b> button  and select the desired date from the calendar.</li> </ul> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p>This date and time are passed to the server with the GMT parameter.</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p>The controls in the area are available only after the <b>CVS root</b> text box is filled in with valid data.</p> </div> <div style="border: 1px solid #f96; padding: 5px; margin: 10px 0;"> <p>If you perform update or checkout from the CVS repository with the <b>By tag</b> or <b>By date</b> option selected, the resulting working copy will be permanently restricted to the specified tag or date, until you force the update operation to reset this <a href="#">sticky data</a>.</p> </div>
Test connection	<p>Click this button to check that the specified settings ensure successful connection to the CVS server.</p>

### Additional connection settings

In this area, specify additional settings to flexibly configure connection to the CVS server. The contents of the area depends on the [connection method](#) set in the **CVS root** text box.

- [pserver](#)
- [ext](#)
- [ssh](#)
- [local](#)

### Pserver

The settings specified in this area affect all CVS roots that use the **pserver** connection method.

Item	Description
Password	<p>In this text box, type the fully qualified path to the <code>.cvspass</code> file. Click the <b>Browse</b> button  to select the file in the <a href="#">corresponding dialog</a>.</p>
Connection timeout	<p>In this text box, type the connection timeout in seconds.</p>

Item	Description
Proxy Settings	See the <a href="#">Proxy Settings</a> section below.

## Ext

Item	Description
Use internal ssh implementation	<p>Select this check box to access the <a href="#">ssh area</a>, where you can specify the <b>SSH</b> version to use, the port to listen to, and configure your private key and password.</p> <p>Clear this check box to access the <b>Ext Protocol Settings</b> area with the following controls available:</p> <ul style="list-style-type: none"> <li>■ <b>Path to external rsh:</b> in this text box, specify the location of the external <code>rsh</code>. If necessary, click the <b>Browse</b> button  to select the necessary location in the <a href="#">corresponding dialog</a>.</li> <li>■ <b>Path to private key file:</b> in this text box, specify the location of the file with your private <code>ssh</code> key. If necessary, click the <b>Browse</b> button  to select the file in the <a href="#">corresponding dialog</a>.</li> <li>■ <b>Additional parameters:</b> in this text box, specify additional connection parameters.</li> </ul>

## Ssh

This area is also available when you have specified the [ext](#) connection method and selected the **Use internal ssh implementation** check box.

Item	Description
SSH version	<p>In this area, specify the <b>SSH</b> version to use. The available options are:</p> <ul style="list-style-type: none"> <li>■ <b>Allow both</b></li> <li>■ <b>Force SSH1</b></li> <li>■ <b>Force SSH2</b></li> </ul>
Port	In this text box, specify the <code>ssh</code> port to listen to.
Use Private key file	Select this check box, if you want to pass server authentication using a private <code>ssh</code> key. In the text box, specify the location of the file with your private <code>ssh</code> key. If necessary, click the <b>Browse</b> button  to select the file in the <a href="#">corresponding dialog</a> .
Change password	Click this button to open the <b>SSH PAssword</b> dialog box, where you can specify the password for the curent CVS root.
Proxy Settings	See <a href="#">Proxy Settings</a> section below.

## Local

IntelliJ IDEA does not provide the server functionality. If you want to use a local CVS client, you need to install CVS on your local host computer and configure it to work as a server.

Item	Description
Path to CVS client	In this text box, type the path to CVS client installed on the host computer and configured to work as a server. If necessary, click the <b>Browse</b> button  to select the necessary location in the <a href="#">corresponding dialog</a> .
Server command	In this text box, specify the server command.

### Proxy settings

Item	Description
Use proxy	Select this check box to enable using the Proxy server and access the <b>Login</b> , <b>Password</b> , <b>Proxy host</b> , and <b>Proxy port</b> text boxes below.  This check box is available only in two cases: <ul style="list-style-type: none"><li>■ The connection method is <code>pserver</code> or <code>ssh</code>.</li><li>■ The connection method is <code>ext</code> and the <b>Use internal ssh implementation</b> check box is selected.</li></ul>
Protocol	Select the protocol to use. The available options are: <ul style="list-style-type: none"><li>■ <b>HTTP</b></li><li>■ <b>Socks4</b></li><li>■ <b>Socks5</b></li></ul>
Login	In this text box, specify your user name.
Password	In this text box, specify the user password.
Proxy host	In this text box, specify the Proxy host name.
Proxy port	In this text box, specify the Proxy port number.

### See Also

#### Procedures:

- [Configuring CVS Roots](#)
- [Updating Local Information in CVS](#)
- [Configuring Global CVS Settings](#)

#### Reference:

- [CVS Global Settings Dialog](#)

#### Web Resources:

- [Developer Community](#) 

