

Adding a Custom Source Control Integration

This topic explains how to build a custom integration to any source control system you want to integrate with C/C++test. In this section:

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Introduction

C/C++test ships with support for most common version control / source control systems, such as SVN or Git; see [Connecting to Source Control](#) for details. In addition, it provides an open Source Control API, which allows other source control tools to integrate with C/C++test.

Main Interfaces

The interface that connects and creates all required implementation is `com.parasoft.xtest.sourcecontrol.openapi.IVersionControlFactory`.

This factory provides specific implementation for the following interfaces:

- `com.parasoft.xtest.sourcecontrol.openapi.IRepositoryDetector`
- `com.parasoft.xtest.sourcecontrol.openapi.IVersionControl`
- `com.parasoft.xtest.sourcecontrol.openapi.IVersionControlHelper`

Implementation and Compilation

The source control API and all related classes are located in the jar file in `[INSTALL_DIR]\plugins\com.parasoft.xtest.libs\Parasoft\sourcecontrol.jar`. When implementing custom version control support, begin with the `IVersionControlFactory` implementation and incrementally add the required classes.

Deployment

After implementation is completed, create a single dll file containing all of the required classes and copy the file to the following location: `[PARASOFT_TEST_INSTALL_DIR]\com.parasoft.xtest.libs.vstudio\ext`. You may need to manually create the `ext` folder if it does not exist. Then restart C/C++test.