

# *DVA QS White Box Tests*

Thema : WhiteBox Tests

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# *DVA QS White Box Tests*

- White Box Tests -
  - ine Methode des Software-Tests, bei der die Tests mit Kenntnissen über die innere Funktionsweise des zu testenden Systems entwickelt werden.

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- Beispiel : ConfigTest

Teste GetInstance

```
public void testGetInstance() {  
    assertNotNull(config);  
}
```



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- Test Case für GetExtensions:

```
public void testGetExtensions() {  
    assertEquals("mp3", config.getExtensions("MP3")[0]);  
    assertEquals("doc", config.getExtensions("MS Office  
    Files")[0]);  
}
```



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- Test Case für InsertSearchPath:

```
public void testInsertSearchPath() {  
    String src = "c:\\test2\\";  
    config.insertSearchPath(src);  
    String dest[] = config.getSearchPaths();  
    assertEquals(src, dest[1]);  
}
```



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The screenshot shows an IDE test runner window with the following details:

- Runs: 24/24
- Errors: 0
- Failures: 3

The test results are displayed in a tree view under the 'Failures' tab. The test suite is 'collector.testcases.ConfigTest'. The following tests are listed:

- testGetInstance (Passed)
- testGetExtensions (Passed)
- testGetExtractorNames (Passed)
- testGetMetaExtractors (Passed)
- testGetSearchPaths (Failed)
- testInsertSearchPath (Failed)
- testRemoveSearchPath (Passed)

The failure trace for the failed test is shown below:

```
junit.framework.ComparisonFailure: expected:<C:\test\> but was:</home/schamane1  
at collector.testcases.ConfigTest.testGetSearchPaths(ConfigTest.java:53)  
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)  
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.
```

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Danke

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