| Class org.apache.commons.configuration2.AbstractConfiguration\$1 org.apache.commons.configuration2.AbstractConfiguration\$2 org.apache.commons.configuration2.AbstractConfiguration org.apache.commons.configuration2.AbstractHierarchicalConfiguration\$ | Probability 1 0.5 1 | Axis Counter 1 0 16 |
|--|---------------------|---------------------|
| 1 | 0.5 | 1 |
| $org. a pache. commons. configuration 2. Abstract Hierarchical Configuration \$\\ Defined Keys Visitor$ | 0.96875 | 1 |
| $org. a pache. commons. configuration 2. Abstract Hierarchical Configuration \$\\ Defined Visitor$ | 0.99902344 | 1 |
| org. a pache. commons. configuration 2. Abstract Hierarchical Configuration | 1 | 4 |
| $org. apache. commons. configuration {\tt 2.AbstractYAMLB} as ed {\tt Configuration}$ | 1 | 2 |
| org.apache.commons.configuration2.BaseConfiguration | 1 | 26 |
| org.apache.commons.configuration2.BaseConfigurationXMLReader\$SAX Converter | 0.875 | 1 |
| org. a pache. commons. configuration 2. Base Configuration XMLR eader | 0.875 | 2 |
| org. a pache. commons. configuration 2. Base Hierarchical Configuration \$1 | 0.99804688 | 1 |
| org. apache. commons. configuration 2. Base Hierarchical Configuration \$2 | 0.99999619 | 1 |
| org. a pache. commons. configuration 2. Base Hierarchical Configuration \$Builder Visitor | 0.9999905 | 1 |
| org. a pache. commons. configuration 2. Base Hierarchical Configuration \$Interpolated Visitor | 0.99993896 | 1 |
| org. a pache. commons. configuration 2. Base Hierarchical Configuration | 1 | 38 |
| org. a pache. commons. configuration 2. be a nutils. Be an Creation Context | 0.75 | 6 |
| org. a pache. commons. configuration 2. be a nutils. Be an Declaration | 0.5 | 14 |
| org.apache.commons.configuration2.beanutils.BeanFactory | 0.875 | 3 |
| org.apache.commons.configuration2.beanutils.BeanHelper\$1 org.apache.commons.configuration2.beanutils.BeanHelper\$BeanCreatio | 0.5 0.99951172 | 1 |
| nContextImpl | | |
| org.apache.commons.configuration2.beanutils.BeanHelper org.apache.commons.configuration2.beanutils.CombinedBeanDeclaratio | 0.99951172 | 7 |
| n | 0.75 | 2 |
| org. a pache. commons. configuration 2. be a nutils. Configuration Dyna Be an an analysis of the configuration o | 0.9921875 | 2 |
| org. a pache. commons. configuration 2. be a nutils. Configuration Dyna Class | 0.75 | 1 |
| org. a pache. commons. configuration 2. be a nutils. Constructor Arg | 0.75 | 1 |
| org. a pache. commons. configuration 2. be a nutils. Default Bean Factory | 0.99993896 | 2 |

| org. a pache. commons. configuration 2. be a nutils. XMLB ean Declaration \$Node Data | 0.99999976 | 3 |
|---|------------|----|
| org.apache.commons.configuration2.beanutils.XMLBeanDeclaration | 1 | 6 |
| org.apache.commons.configuration2.builder.AutoSaveListener | 0.99999997 | 2 |
| org.apache.commons.configuration2.builder.BasicBuilderParameters | 1 | 14 |
| org.apache.commons.configuration2.builder.BasicBuilderProperties | 1 | 10 |
| org. a pache. commons. configuration 2. builder. Basic Configuration Builder \$1 | 1 | 1 |
| org. a pache. commons. configuration 2. builder. Basic Configuration Builder | 1 | 17 |
| org. a pache. commons. configuration 2. builder. Builder Configuration Wrapper Factory \$Builder Configuration Wrapper Invocation Handler | 0.99609375 | 1 |
| or g. a pache. commons. configuration 2. builder. Builder Configuration Wrapper Factory \$ Event Source Support | 0.5 | 2 |
| $org. a pache. commons. configuration 2. builder. Builder Configuration Wrapp \\ er Factor y$ | 0.99998474 | 3 |
| org.apache.commons.configuration2.builder.BuilderParameters | 0.5 | 43 |
| org.apache.commons.configuration2.builder.combined.BaseConfigurationBuilderProvider | 1 | 5 |
| $org. a pache. commons. configuration 2. builder. combined. Combined Builder \\ Parameters Impl$ | 1 | 6 |
| $org. a pache. commons. configuration 2. builder. combined. Combined Builder\\ Properties$ | 0.99998474 | 2 |
| org. a pache. commons. configuration 2. builder. combined. Combined Configuration Builder \$1 | 1 | 1 |
| $org. a pache. commons. configuration 2. builder. combined. Combined Configuration Builder \\ \$ Configuration Source Data \\ \$ 1$ | 0.9999994 | 1 |
| $org. a pache. commons. configuration 2. builder. combined. Combined Configuration Builder \\ \$ Configuration Source Data$ | _ | 2 |
| org. a pache. commons. configuration 2. builder. combined. Combined Configuration Builder | 1 | 16 |
| or g. a pache. commons. configuration 2. builder. combined. Combined Configuration Builder Provider | 1 | 1 |
| or g. a pache. commons. configuration 2. builder. combined. Configuration Builder Provider | 0.75 | 6 |
| org. a pache. commons. configuration 2. builder. combined. Configuration Declaration | 0.99999905 | 10 |
| org. a pache. commons. configuration 2. builder. combined. File Extension Configuration Builder Provider | 0.9921875 | 2 |
| org.apache.commons.configuration2.builder.combined.MultiFileBuilderParametersImpl | 1 | 5 |
| org. a pache. commons. configuration 2. builder. combined. MultiFile Builder Properties | 0.75 | 2 |

| org. a pache. commons. configuration 2. builder. combined. Multi File Configuration Builder \$1 | 1 | 1 |
|--|------------|----|
| org. a pache. commons. configuration 2. builder. combined. Multi File Configuration Builder | 1 | 5 |
| org.apache.commons.configuration2.builder.combined.MultiFileConfigurationBuilderProvider\$ReloadableWrapperBuilder | 1 | 1 |
| org.apache.commons.configuration2.builder.combined.MultiFileConfigurationBuilderProvider\$WrapperBuilder | 0.99999976 | 2 |
| org.apache.commons.configuration2.builder.combined.MultiFileConfigurationBuilderProvider | 0.99987793 | 1 |
| org.apache.commons.configuration2.builder.combined.MultiWrapDynaB ean | 0.75 | 2 |
| org.apache.commons.configuration2.builder.combined.MultiWrapDynaCl ass | 0.5 | 1 |
| org.apache.commons.configuration2.builder.combined.ReloadingCombinedConfigurationBuilder | 1 | 5 |
| org.apache.commons.configuration2.builder.combined.ReloadingMultiFileConfigurationBuilder\$1 | 0.9375 | 1 |
| org.apache.commons.configuration2.builder.combined.ReloadingMultiFileConfigurationBuilder | 1 | 3 |
| org.apache.commons.configuration2.builder.ConfigurationBuilder | 0.984375 | 14 |
| org. apache. commons. configuration 2. builder. Configuration Builder Event | 0.99902344 | 8 |
| org. a pache. commons. configuration 2. builder. Configuration Builder Result Created Event | 0.99999905 | 3 |
| org. a pache. commons. configuration 2. builder. Copy Object Default Handler | 0.9375 | 4 |
| $org. a pache. commons. configuration 2. builder. Database Builder Parameters \\ Impl$ | 1 | 2 |
| org. a pache. commons. configuration 2. builder. Database Builder Properties | 0.5 | 2 |
| org.apache.commons.configuration2.builder.DefaultParametersHandler | 0.5 | 8 |
| $org. a pache. commons. configuration 2. builder. De fault Parameters Manager \\ \$ De fault Handler Data$ | 0.875 | 1 |
| org. a pache. commons. configuration 2. builder. De fault Parameters Manager | 0.984375 | 4 |
| org. a pache. commons. configuration 2. builder. Default Reloading Detector Factory | 1 | 2 |
| org. apache. commons. configuration 2. builder. Event Listener Parameters | 1 | 2 |
| org.apache.commons.configuration2.builder.EventListenerProvider | 0.5 | 1 |
| $org. a pache. commons. configuration 2. builder. File Based Builder Parameters \\ Impl$ | 0.99999997 | 29 |

| org. apache. commons. configuration 2. builder. File Based Builder Properties | 0.99804688 | 7 |
|---|------------|----|
| $org. apache. commons. configuration 2. builder. File Based Configuration Builder\\$ er | 1 | 14 |
| org.apache.commons.configuration2.builder.fluent.CombinedBuilderParameters | 1 | 0 |
| org.apache.commons.configuration2.builder.fluent.Configurations | 1 | 3 |
| org. a pache. commons. configuration 2. builder. fluent. Database Builder Parameters | 1 | 1 |
| org.apache.commons.configuration2.builder.fluent.FileBasedBuilderPara meters | 1 | 2 |
| org.apache.commons.configuration2.builder.fluent.HierarchicalBuilderParameters | 1 | 0 |
| org. apache. commons. configuration 2. builder. fluent. IN IBuilder Parameters | 1 | 0 |
| org. apache. commons. configuration 2. builder. fluent. Jndi Builder Parameters | 1 | 0 |
| org.apache.commons.configuration2.builder.fluent.MultiFileBuilderPara meters | 1 | 0 |
| org. a pache. commons. configuration 2. builder. fluent. Parameters \$Parameters \$Paramet | 0.5 | 1 |
| org.apache.commons.configuration2.builder.fluent.Parameters | 1 | 12 |
| org.apache.commons.configuration2.builder.fluent.PropertiesBuilderPar ameters | 1 | 0 |
| org. a pache. commons. configuration 2. builder. fluent. XMLBuilder Parameters | 1 | 1 |
| org. a pache. commons. configuration 2. builder. Hierarchical Builder Parameters Impl | 1 | 4 |
| org. apache. commons. configuration 2. builder. Hierarchical Builder Properties | 0.9375 | 4 |
| org. apache. commons. configuration 2. builder. IN IBuilder Parameters Implement and the common state of | 1 | 1 |
| org.apache.commons.configuration2.builder.INIBuilderProperties | 0.5 | 2 |
| org. a pache. commons. configuration 2. builder. Jndi Builder Parameters Implement and the property of the p | 1 | 2 |
| org.apache.commons.configuration2.builder.JndiBuilderProperties | 0.5 | 2 |
| org. a pache. commons. configuration 2. builder. Properties Builder Parameter sImpl | 1 | 3 |
| org. a pache. commons. configuration 2. builder. Properties Builder Properties | 1 | 2 |
| org.apache.commons.configuration2.builder.ReloadingBuilderSupportListener | 1 | 0 |
| org.apache.commons.configuration2.builder.ReloadingDetectorFactory | 0.99999237 | 5 |

| org. a pache. commons. configuration 2. builder. Reloading File Based Configuration Builder \$1 | 0.9375 | 1 |
|--|--|---|
| org. a pache. commons. configuration 2. builder. Reloading File Based Configuration Builder | 1 | 7 |
| org. a pache. commons. configuration 2. builder. XMLBuilder Parameters Implement and the common state of | 1 | 11 |
| org.apache.commons.configuration2.builder.XMLBuilderProperties | 0.5 | 3 |
| $org. a pache. commons. configuration 2. Combined Configuration \\ \$ Config Data$ | 0.99999619 | 1 |
| org.apache.commons.configuration2.CombinedConfiguration org.apache.commons.configuration2.CompositeConfiguration org.apache.commons.configuration2.ConfigurationComparator org.apache.commons.configuration2.ConfigurationConverter org.apache.commons.configuration2.ConfigurationDecoder org.apache.commons.configuration2.ConfigurationDecoder org.apache.commons.configuration2.ConfigurationLookup org.apache.commons.configuration2.ConfigurationMap\$1 org.apache.commons.configuration2.ConfigurationMap\$ConfigurationSe t\$ConfigurationSetIterator org.apache.commons.configuration2.ConfigurationMap\$ConfigurationSe t\$Entry | 0.99999997 1 0.99951172 0.99975586 1 0.5 0.9375 0.5 0.96875 | 13 4 44 1 0 4 5 2 1 |
| org. a pache. commons. configuration 2. Configuration Map \$ Configuration Set | 0.875 | 4 |
| org.apache.commons.configuration2.ConfigurationMap org.apache.commons.configuration2.ConfigurationUtils\$1 org.apache.commons.configuration2.ConfigurationUtils\$2 org.apache.commons.configuration2.ConfigurationUtils org.apache.commons.configuration2.ConfigurationXMLReader org.apache.commons.configuration2.convert.AbstractListDelimiterHandler | 0.99996948 0.99902344 0.99951172 1 0.5 0.984375 | 4 1 1 0 2 |
| org.apache.commons.configuration2.convert.ConversionHandler | 0.984375 | 5 |
| $org. a pache. commons. configuration 2. convert. Default Conversion Handler \$ \\ 1$ | 0.984375 | 1 |
| org.apache.commons.configuration2.convert.DefaultConversionHandler | 0.99999619 | 7 |
| $org. a pache. commons. configuration 2. convert. De fault List Delimiter Handle \\ r$ | 0.99609375 | 32 |
| org. a pache. commons. configuration 2. convert. Disabled List Delimiter Handler | 0.99609375 | 5 |
| org. a pache. commons. configuration 2. convert. Legacy List Delimiter Handler | 0.99609375 | 6 |
| org.apache.commons.configuration2.convert.ListDelimiterHandler\$1 | 0.75 | 1 |
| org.apache.commons.configuration2.convert.ListDelimiterHandler | 0.9375 | 15 |

| org.apache.commons.configuration2.convert.PropertyConverter | 0.9999952 | 0 |
|--|------------|----|
| org.apache.commons.configuration2.convert.ValueTransformer | 0.5 | 8 |
| org.apache.commons.configuration2.DatabaseConfiguration\$1 | 0.984375 | 1 |
| org.apache.commons.configuration2.DatabaseConfiguration\$2 | 0.984375 | 1 |
| org.apache.commons.configuration2.DatabaseConfiguration\$3 | 0.984375 | 1 |
| org.apache.commons.configuration2.DatabaseConfiguration\$4 | 0.984375 | 1 |
| org.apache.commons.configuration2.DatabaseConfiguration\$5 | 0.984375 | 1 |
| org.apache.commons.configuration2.DatabaseConfiguration\$6 | 0.984375 | 1 |
| org.apache.commons.configuration2.DatabaseConfiguration\$7 | 0.984375 | 1 |
| org. a pache. commons. configuration 2. Database Configuration \$Jdbc Operation | 0.9375 | 7 |
| org.apache.commons.configuration2.DatabaseConfiguration | 1 | 9 |
| org.apache.commons.configuration2.DataConfiguration\$1 | 0.5 | 1 |
| org.apache.commons.configuration2.DataConfiguration\$DataConversion | | |
| Handler | 0.875 | 1 |
| org.apache.commons.configuration2.DataConfiguration | 1 | 3 |
| org. a pache. commons. configuration 2. Dynamic Combined Configuration \$1 | 0.99804688 | 1 |
| $org. a pache. commons. configuration 2. Dynamic Combined Configuration \\ \$ConfigData$ | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. Dynamic Combined Configuration \$Current Config Holder | 0.99999999 | 1 |
| org. a pache. commons. configuration 2. Dynamic Combined Configuration | 0.99999809 | 3 |
| org.apache.commons.configuration2.EnvironmentConfiguration | 1 | 2 |
| org.apache.commons.configuration2.event.BaseEventSource | 1 | 3 |
| org.apache.commons.configuration2.event.ConfigurationErrorEvent | 0.9375 | 3 |
| org.apache.commons.configuration2.event.ConfigurationEvent | 0.9375 | 13 |
| org.apache.commons.configuration2.event.Event | 0.75 | 27 |
| org.apache.commons.configuration2.event.EventListener | 0.75 | 32 |
| org.apache.commons.configuration2.event.EventListenerList\$1 | 0.99993896 | 2 |
| org.apache.commons.configuration2.event.EventListenerList\$EventListen | | _ |
| erlterator | 0.99951172 | 1 |
| org.apache.commons.configuration2.event.EventListenerList | 0.99999988 | 7 |
| org. a pache. commons. configuration 2. event. Event Listener Registration Data a | 0.96875 | 7 |
| org.apache.commons.configuration2.event.EventSource | 0.96875 | 5 |
| org.apache.commons.configuration2.event.EventType | 0.5 | 44 |
| org.apache.commons.configuration2.ex.ConfigurationException | 0.5 | 22 |
| org.apache.commons.comiguration2.ex.comigurationException | 0.5 | 22 |
| org. a pache. commons. configuration 2. ex. Configuration Runtime Exception | 0.5 | 30 |
| org.apache.commons.configuration2.ex.ConversionException | 0.75 | 2 |
| org. a pache. commons. configuration 2. File Based Configuration | 0.99987793 | 10 |
| org.apache.commons.configuration2.FindNodeVisitor | 0.99804688 | 1 |
| org.apache.commons.configuration2.HierarchicalConfiguration | 0.99999809 | 27 |
| | | |

| org. a pache. commons. configuration 2. Hierarchical Configuration Converter | 0.99998474 | 1 |
|--|---------------|---------|
| org. a pache. commons. configuration 2. Hierarchical Configuration XMLR eader \$1 | 0.5 | 1 |
| org. a pache. commons. configuration 2. Hierarchical Configuration XMLR eader \$SAXV is it or | 0.96875 | 1 |
| org. a pache. commons. configuration 2. Hierarchical Configuration XMLR eader | 0.9375 | 2 |
| org.apache.commons.configuration2.ImmutableConfiguration | 0.75 | 13 |
| org.apache.commons.configuration2.ImmutableConfigurationInvocation Handler\$ImmutableIterator | 0.5 | 1 |
| org.apache.commons.configuration2.ImmutableConfigurationInvocation Handler | 0.99987793 | 1 |
| $org. a pache. commons. configuration 2. Immutable Hierarchical Configuration \\ n$ | 0.875 | 1 |
| org. a pache. commons. configuration 2. INI Configuration \$ Global Section Nodel \$ 1 | 0.984375 | 1 |
| $org. a pache. commons. configuration 2. INI Configuration \$ Global Section Node \\ e Model$ | 0.9375 | 2 |
| org.apache.commons.configuration2.INIConfiguration | 1 | 3 |
| org.apache.commons.configuration2.Initializable | 0.5 | 1 |
| $org. a pache. commons. configuration 2. interpol. Configuration Interpolator \$ \\ 1$ | 0.875 | 1 |
| org. a pache. commons. configuration 2. interpol. Configuration Interpolator | 0.96875 | 20 |
| org.apache.commons.configuration2.interpol.ConstantLookup | 0.75 | 2 |
| org.apache.commons.configuration2.interpol.DefaultLookups | 0.99609375 | 0 |
| org.apache.commons.configuration2.interpol.DummyLookup | 0.75 | 0 |
| org.apache.commons.configuration2.interpol.EnvironmentLookup | 0.75 | 2 |
| org.apache.commons.configuration2.interpol.ExprLookup\$1 | 0.9921875 | 1 |
| org.apache.commons.configuration2.interpol.ExprLookup\$Variable | 0.75 | 1 |
| org.apache.commons.configuration2.interpol.ExprLookup\$Variables | 0.5 | 2 |
| org.apache.commons.configuration2.interpol.ExprLookup | 0.9921875 | 2 |
| org. apache. commons. configuration 2. interpol. Interpolator Specification \$1 | 0.5 | 1 |
| org. a pache. commons. configuration 2. interpol. Interpolator Specification \$Builder | 0.984375 | 5 |
| | | |
| org.apache.commons.configuration2.interpol.InterpolatorSpecification | 0.9375 | 3 |
| org.apache.commons.configuration2.interpol.InterpolatorSpecification org.apache.commons.configuration2.interpol.Lookup | 0.9375 0.5 | 3 16 |
| | | |

| org.apache.commons.configuration2.io.BasePathLocationStrategy | 0.99993896 | 2 |
|---|------------|----|
| org.apache.commons.configuration2.io.ClasspathLocationStrategy | 0.99993896 | 2 |
| org.apache.commons.configuration2.io.CombinedLocationStrategy | 0.99993896 | 2 |
| org.apache.commons.configuration2.io.ConfigurationLogger | 0.5 | 18 |
| org. a pache. commons. configuration 2. io. Default File System \$HttpOutput Stream | 0.75 | 1 |
| org.apache.commons.configuration2.io.DefaultFileSystem | 0.9921875 | 6 |
| org.apache.commons.configuration2.io.FileBased | 0.5 | 3 |
| org.apache.commons.configuration2.io.FileHandler\$1 | 0.984375 | 2 |
| org.apache.commons.configuration2.io.FileHandler\$2 | 0.99999994 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$3 | 0.99999994 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$4 | 0.99999994 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$5 | 0.99999994 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$6 | 0.99999994 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$7 | 0.99999994 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$8 | 0.99999999 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$9 | 1 | 1 |
| org.apache.commons.configuration2.io.FileHandler\$Updater | 0.99999988 | 8 |
| org.apache.commons.configuration2.io.FileHandler | 1 | 69 |
| org.apache.commons.configuration2.io.FileHandlerListener | 0.99987793 | 2 |
| org.apache.commons.configuration2.io.FileHandlerListenerAdapter | 1 | 2 |
| org.apache.commons.configuration2.io.FileLocationStrategy | 0.96875 | 15 |
| org. apache. commons. configuration 2. io. File Locator \$ File Locator \$ uilder | 0.99804688 | 11 |
| org.apache.commons.configuration2.io.FileLocator | 0.96875 | 19 |
| org.apache.commons.configuration2.io.FileLocatorAware | 0.984375 | 5 |
| org.apache.commons.configuration2.io.FileLocatorUtils | 1 | 0 |
| org.apache.commons.configuration2.io.FileOptionsProvider | 0.5 | 1 |
| org.apache.commons.configuration2.io.FileSystem | 0.875 | 18 |
| org.apache.commons.configuration2.io.FileSystemLocationStrategy | 0.99993896 | 2 |
| org.apache.commons.configuration2.io.FileUtils | 0.5 | 0 |
| org. a pache. commons. configuration 2. io. Home Directory Location Strategy | 0.99993896 | 3 |
| org. a pache. commons. configuration 2. io. Input Stream Support | 0.5 | 4 |
| org.apache.commons.configuration2.io.ProvidedURLLocationStrategy | 0.99993896 | 3 |
| org.apache.commons.configuration2.io.VerifiableOutputStream | 0.5 | 1 |
| org. a pache. commons. configuration 2. io. VFSFile System \$VFSURLS tream Handler | 0.5 | 1 |
| org.apache.commons.configuration2.io.VFSFileSystem | 0.99951172 | 2 |
| org.apache.commons.configuration2.JNDIConfiguration | 1 | 4 |
| org.apache.commons.configuration2.JSONConfiguration | 1 | 1 |
| <u> </u> | | |

| org.apache.commons.configuration2.MapConfiguration | 1 | 10 |
|--|------------|----|
| org.apache.commons.configuration2.PatternSubtreeConfigurationWrapp er | 1 | 1 |
| org.apache.commons.configuration2.plist.ParseException | 0.75 | 4 |
| org.apache.commons.configuration2.plist.PropertyListConfiguration\$1 | 0.5 | 2 |
| org.apache.commons.configuration2.plist.PropertyListConfiguration\$DateComponentParser | 0.9375 | 4 |
| org. a pache. commons. configuration 2. plist. Property List Configuration \$DateField Parser | 0.9921875 | 1 |
| org. a pache. commons. configuration 2. plist. Property List Configuration \$Date Separator Parser | 0.9921875 | 1 |
| org. a pache. commons. configuration 2. plist. Property List Configuration \$Date Time Zone Parser | 0.984375 | 1 |
| org. a pache. commons. configuration 2. plist. Property List Configuration | 1 | 3 |
| org.apache.commons.configuration2.plist.PropertyListParser\$1 | 0.5 | 1 |
| org.apache.commons.configuration2.plist.PropertyListParser\$JJCalls | 0.5 | 1 |
| org.apache.commons.configuration2.plist.PropertyListParser\$Lookahead Success | 0.75 | 1 |
| org.apache.commons.configuration2.plist.PropertyListParser | 1 | 2 |
| org. a pache. commons. configuration 2. plist. Property List Parser Constants | 0.5 | 2 |
| org.apache.commons.configuration2.plist.PropertyListParserTokenMana ger | 0.96875 | 1 |
| org.apache.commons.configuration2.plist.SimpleCharStream | 0.5 | 2 |
| org.apache.commons.configuration2.plist.Token | 0.5 | 3 |
| org.apache.commons.configuration2.plist.TokenMgrError | 0.5 | 1 |
| org.apache.commons.configuration2.plist.XMLPropertyListConfiguration \$1 | 0.875 | 3 |
| org.apache.commons.configuration2.plist.XMLPropertyListConfiguration \$ArrayNodeBuilder | 0.875 | 2 |
| org.apache.commons.configuration2.plist.XMLPropertyListConfiguration \$PListNodeBuilder | 0.96875 | 2 |
| $org. a pache. commons. configuration 2. plist. XMLP roperty List Configuration \\ \$ XMLP roperty List Handler$ | 0.984375 | 1 |
| org. a pache. commons. configuration 2. plist. XML Property List Configuration | 0.99999952 | 4 |
| org.apache.commons.configuration2.PrefixedKeysIterator | 0.5 | 1 |
| org. a pache. commons. configuration 2. Properties Configuration \$Default IOF actory | 0.99999619 | 2 |
| org. a pache. commons. configuration 2. Properties Configuration \$IOF actory | 0.96875 | 6 |
| $org. a pache. commons. configuration 2. Properties Configuration \$Properties \\ Reader$ | 0.5 | 2 |

| org.apache.commons.configuration2.PropertiesConfiguration\$Properties Writer\$1 | 0.75 | 1 |
|---|------------|----|
| org.apache.commons.configuration2.PropertiesConfiguration\$Properties Writer | 0.9921875 | 3 |
| | 1 | 30 |
| org. apache. commons. configuration 2. Properties Configuration Layout \$Property Layout Data | 0.75 | 1 |
| org. apache. commons. configuration 2. Properties Configuration Layout | 1 | 7 |
| $or g. apache. commons. configuration 2. reloading. Combined Reloading Controller \\ SmultiReloading Controller Detector$ | 0.875 | 1 |
| org.apache.commons.configuration2.reloading.CombinedReloadingController | 0.99993896 | 4 |
| org.apache.commons.configuration2.reloading.FileHandlerReloadingDete ctor | 1 | 4 |
| $or g. apache. commons. configuration 2. reloading. Managed Reloading Detect\\ or$ | 0.875 | 1 |
| org.apache.commons.configuration2.reloading.ManagedReloadingDetect orMBean | 0.5 | 1 |
| org. apache. commons. configuration 2. reloading. Periodic Reloading Trigger \$1 | 0.75 | 1 |
| org. apache. commons. configuration 2. reloading. Periodic Reloading Trigger | 0.99987793 | 2 |
| org. apache. commons. configuration 2. reloading. Reloading Controller | 0.99999999 | 11 |
| org. apache. commons. configuration 2. reloading. Reloading Controller Support | 0.5 | 4 |
| org. apache. commons. configuration 2. reloading. Reloading Detector | 0.5 | 8 |
| org. apache. commons. configuration 2. reloading. Reloading Event | 0.99996948 | 1 |
| org.apache.commons.configuration2.reloading.VFSFileHandlerReloading Detector | 1 | 3 |
| org.apache.commons.configuration2.resolver.CatalogResolver\$Catalog | 0.5 | 1 |
| org.apache.commons.configuration2.resolver.CatalogResolver\$CatalogManager | 0.99902344 | 1 |
| org.apache.commons.configuration2.resolver.CatalogResolver | 0.9999952 | 3 |
| org. apache. commons. configuration 2. resolver. Default Entity Resolver | 0.75 | 1 |
| org. apache. commons. configuration 2. resolver. Entity Registry | 0.5 | 1 |
| org. apache. commons. configuration 2. resolver. Entity Resolver Support | 0.5 | 0 |
| org. apache. commons. configuration 2. spring. Configuration Properties Factory Bean | 1 | 1 |
| org. apache. commons. configuration 2. spring. Configuration Property Source | 0.99975586 | 1 |

| org. a pache. commons. configuration 2. Strict Configuration Comparator | 0.99999994 | 6 |
|---|---------------------------------|-------------------|
| org.apache.commons.configuration2.SubnodeConfiguration | 0.99993896 | 3 |
| org. a pache. commons. configuration 2. Subset Configuration \$Subset Iterator | 0.984375 | 1 |
| org.apache.commons.configuration2.SubsetConfiguration org.apache.commons.configuration2.sync.LockMode org.apache.commons.configuration2.sync.NoOpSynchronizer | 1 0.5 0.75 | 4 3 0 |
| org. apache. commons. configuration 2. sync. Read Write Synchronizer | 0.75 | 6 |
| org.apache.commons.configuration2.sync.Synchronizer org.apache.commons.configuration2.sync.SynchronizerSupport org.apache.commons.configuration2.SystemConfiguration org.apache.commons.configuration2.tree.AbstractImmutableNodeHandler | 0.5 0.875 1 0.99804688 | 11 2 1 3 |
| org. a pache. commons. configuration 2. tree. Configuration Node Visitor | 0.875 | 3 |
| org. a pache. commons. configuration 2. tree. Configuration Node Visitor Adapter | 0.984375 | 9 |
| org. a pache. commons. configuration 2. tree. Default Configuration Key \$ Key Iterator | 0.75 | 2 |
| org.apache.commons.configuration2.tree.DefaultConfigurationKey | 0.9375 | 7 |
| org. apache. commons. configuration 2. tree. Default Expression Engine | 0.99609375 | 8 |
| org. a pache. commons. configuration 2. tree. Default Expression Engine Symbols \$1 | 0.5 | 1 |
| org.apache.commons.configuration2.tree.DefaultExpressionEngineSymbols\$Builder | 0.875 | 8 |
| org.apache.commons.configuration2.tree.DefaultExpressionEngineSymb ols | 0.875 | 2 |
| org.apache.commons.configuration2.tree.ExpressionEngine org.apache.commons.configuration2.tree.ImmutableNode\$1 | 0.875 0.5 | 12 2 |
| org.apache.commons.configuration2.tree.ImmutableNode\$Builder | 0.9375 | 39 |
| org.apache.commons.configuration2.tree.lmmutableNode | 0.9375 | 57 |
| org.apache.commons.configuration2.tree.InMemoryNodeModel\$1 | 0.984375 | 1 |
| org.apache.commons.configuration2.tree.InMemoryNodeModel\$2 | 0.99609375 | 1 |
| org.apache.commons.configuration2.tree.InMemoryNodeModel\$3 | 0.984375 | 1 |
| org.apache.commons.configuration2.tree.InMemoryNodeModel\$4 | 0.984375 | 1 |
| | | |

| org.apache.commons.configuration2.tree.InMemoryNodeModel\$6 | 0.99609375 | 1 |
|--|--------------------------|-------------|
| org.apache.commons.configuration2.tree.lnMemoryNodeModel\$7 | 0.99987793 | 1 |
| org. apache. commons. configuration 2. tree. In Memory Node Model \$Transaction Initializer | 0.75 | 7 |
| org.apache.commons.configuration2.tree.InMemoryNodeModel | 0.99999619 | 31 |
| org. a pache. commons. configuration 2. tree. In Memory Node Model Support | 0.75 | 4 |
| org.apache.commons.configuration2.tree.MergeCombiner org.apache.commons.configuration2.tree.ModelTransaction\$1 org.apache.commons.configuration2.tree.ModelTransaction\$AddAttribut | 1 0.96875 0.984375 | 1 4 1 |
| eOperation org.apache.commons.configuration2.tree.ModelTransaction\$AddAttribut esOperation | 0.984375 | 1 |
| org.apache.commons.configuration2.tree.ModelTransaction\$ChangeNodeNameOperation | 0.984375 | 1 |
| org.apache.commons.configuration2.tree.ModelTransaction\$ChangeNodeValueOperation | 0.984375 | 1 |
| org.apache.commons.configuration2.tree.ModelTransaction\$ChildrenUp dateOperation | 0.9921875 | 2 |
| org. apache. commons. configuration 2. tree. Model Transaction \$ Operation | 0.984375 | 7 |
| org. a pache. commons. configuration 2. tree. Model Transaction \$Operations | 0.9921875 | 8 |
| org.apache.commons.configuration2.tree.ModelTransaction\$RemoveAttributeOperation | 0.984375 | 1 |
| org.apache.commons.configuration2.tree.ModelTransaction | 0.99975586 | 17 |
| org.apache.commons.configuration2.tree.NodeAddData | 0.5 | 9 |
| org.apache.commons.configuration2.tree.NodeCombiner\$1 | 0.99993896 | 1 |
| org.apache.commons.configuration2.tree.NodeCombiner | 0.99999809 | 5 |
| org.apache.commons.configuration2.tree.NodeHandler | 0.75 | 38 |
| org. apache. commons. configuration 2. tree. Node Handler Decorator | 0.96875 | 2 |
| org.apache.commons.configuration2.tree.NodeKeyResolver | 0.875 | 15 |
| org.apache.commons.configuration2.tree.NodeMatcher | 0.75 | 9 |
| org.apache.commons.configuration2.tree.NodeModel | 0.9375 | 4 |
| org.apache.commons.configuration2.tree.NodeModelSupport | 0.5 | 2 |
| org.apache.commons.configuration2.tree.NodeNameMatchers\$1 | 0.875 | 1 |
| org.apache.commons.configuration2.tree.NodeNameMatchers\$2 | 0.875 | 1 |
| org.apache.commons.configuration2.tree.NodeNameMatchers | 0.9375 | 2 |
| org.apache.commons.configuration2.tree.NodeSelector | 0.99902344 | 13 |
| org. a pache. commons. configuration 2. tree. No de Tracker \$ Tracked No de Data a | 0.984375 | 1 |

| org.apache.commons.configuration2.tree.NodeTracker org.apache.commons.configuration2.tree.NodeTreeWalker org.apache.commons.configuration2.tree.NodeUpdateData org.apache.commons.configuration2.tree.OverrideCombiner org.apache.commons.configuration2.tree.QueryResult | 0.99609375 0.984375 0.5 1 0.875 | 2 0 4 3 2 |
|--|--|----------------------------|
| org. a pache. commons. configuration 2. tree. Reference Node Handler | 0.9921875 | 4 |
| org.apache.commons.configuration2.tree.ReferenceTracker org.apache.commons.configuration2.tree.TrackedNodeHandler org.apache.commons.configuration2.tree.TrackedNodeModel org.apache.commons.configuration2.tree.TreeData org.apache.commons.configuration2.tree.TreeUtils org.apache.commons.configuration2.tree.UnionCombiner org.apache.commons.configuration2.tree.xpath.ConfigurationAttributePointer | 0.96875 0.99998474 0.99999994 0.96875 0.96875 1 | 2 2 5 2 0 4 |
| org. a pache. commons. configuration 2. tree. xpath. Configuration Nodel terator Attribute | 0.9375 | 2 |
| org.apache.commons.configuration2.tree.xpath.ConfigurationNodelteratorBase | 0.75 | 2 |
| org. a pache. commons. configuration 2. tree. xpath. Configuration Nodel terator Children | 0.875 | 2 |
| org. a pache. commons. configuration 2. tree. xpath. Configuration Node Pointer | 0.9375 | 9 |
| org.apache.commons.configuration2.tree.xpath.ConfigurationNodePoint erFactory\$NodeWrapper | 0.875 | 1 |
| org.apache.commons.configuration2.tree.xpath.ConfigurationNodePoint erFactory | 0.99902344 | 2 |
| org. apache. commons. configuration 2. tree. xpath. XPath Context Factory | 0.875 | 3 |
| org. apache. commons. configuration 2. tree. xpath. XPath Expression Engine | 0.9999988 | 10 |
| org. apache. commons. configuration 2. web. Applet Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. web. Base Web Configuration | 1 | 5 |
| org. a pache. commons. configuration 2. web. Servlet Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. web. Servlet Context Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. web. Servlet Filter Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. web. Servlet Request Configuration | 1 | 1 |
| org.apache.commons.configuration2.XMLConfiguration\$1 | 0.99804688 | 1 |
| org.apache.commons.configuration2.XMLConfiguration\$XMLBuilderVisit or | 1 | 1 |
| org.apache.commons.configuration2.XMLConfiguration org.apache.commons.configuration2.XMLDocumentHelper org.apache.commons.configuration2.XMLListReference | 0.99999905 0.75 0.99999237 | 23 3 0 |

| org. apache. commons. configuration 2. XML Properties Configuration \$1 | 0.875 | 2 |
|--|-----------------|--------|
| org. a pache. commons. configuration 2. XML Properties Configuration \$XML Properties Handler | 0.9375 | 1 |
| org. a pache. commons. configuration 2. XML Properties Configuration | 0.96875 | 4 |
| org.apache.commons.configuration2.YAMLConfiguration org.apache.commons.configuration2.BaseNonStringProperties | 1 0.99987793 | 1 2 |
| org. a pache. commons. configuration 2. be an utils. Be an Creation Test Be an utils. Be an util configuration and the state of the s | 0.5 | 3 |
| org. a pache. commons. configuration 2. be a nutils. Be an Creation Test Be an With List Child | 0.5 | 2 |
| $org. a pache. commons. configuration 2. be a nutils. Be an Creation Test Ctor Be a \\ n$ | 0.75 | 0 |
| org. a pache. commons. configuration 2. be a nutils. Be an Declaration Test Implement of the common structure of the common | 0.75 | 2 |
| org.apache.commons.configuration2.beanutils.TestBeanHelper\$1 | 0.5 | 1 |
| org.apache.commons.configuration2.beanutils.TestBeanHelper\$TestBeanFactory | 0.99993896 | 1 |
| org.apache.commons.configuration2.beanutils.TestBeanHelper | 1 | 1 |
| $org. a pache. commons. configuration 2. be a nutils. Test Combined Be an Declar \\ation$ | 0.984375 | 0 |
| $org. a pache. commons. configuration 2. be a nutils. Test Configuration Dyna Be \\ an$ | 1 | 1 |
| org. a pache. commons. configuration 2. be a nutils. Test Configuration Dyna Be an XML Config | 1 | 0 |
| org.apache.commons.configuration 2. be a nutils. Test Constructor Arg | 0.5 | 0 |
| $org. a pache. commons. configuration 2. be a nutils. Test Default Bean Factory \$ \\ 1$ | 0.99996948 | 1 |
| org. a pache. commons. configuration 2. be a nutils. Test Default Bean Factory | 1 | 0 |
| $org. a pache. commons. configuration 2. be a nutils. Test XMLB ean Declaration \\ \1 | 0.875 | 1 |
| org.apache.commons.configuration2.beanutils.TestXMLBeanDeclaration \$XMLBeanDeclarationTestImpl | 1 | 1 |
| org. a pache. commons. configuration 2. be a nutils. Test XMLB ean Declaration | 0.99951172 | 1 |
| org. apache. commons. configuration 2. builder. Builder Event Listener Implement and the common state of | 0.99999237 | 5 |
| $org. a pache. commons. configuration 2. builder. combined. Abstract Multi File \\ Configuration Builder Test$ | 1 | 2 |
| org. a pache. commons. configuration 2. builder. combined. Test Base Configuration Builder Provider \$1 | 0.99999976 | 1 |
| org. a pache. commons. configuration 2. builder. combined. Test Base Configuration Builder Provider \$2 | 0.99999976 | 1 |

| org. a pache. commons. configuration 2. builder. combined. Test Base Configuration Builder Provider | 0.99999237 | 2 |
|---|------------|---|
| org. apache. commons. configuration 2. builder. combined. Test Combined Builder Parameters Impl | 1 | 0 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder \$1 | 1 | 1 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder \$ Builder Provider Test Impl | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestCombinedConfigurationBuilder\$CombinedConfigurationTestImpl | 0.99999999 | 0 |
| org.apache.commons.configuration2.builder.combined.TestCombinedConfigurationBuilder\$ConstantConfigurationBuilder | 1 | 3 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder \$EntityResolver With Properties Test Implementary and the combined Configuration Builder \$1.000 and \$1.0000 and | 1 | 0 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder \$File System Test Impl | 0.99609375 | 0 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder \$Read Thread | 0.99999999 | 1 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder \$ Test Lookup | 0.75 | 0 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder | 1 | 2 |
| org. a pache. commons. configuration 2. builder. combined. Test Combined Configuration Builder VFS | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestConfiguration Declaration | 1 | 0 |
| $org. a pache. commons. configuration 2. builder. combined. Test File Extension \\ Configuration Builder Provider$ | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestMultiFileBuil derParametersImpl | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestMultiFileConfigurationBuilder\$1 | 1 | 1 |
| org.apache.commons.configuration2.builder.combined.TestMultiFileConfigurationBuilder | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestMultiWrapDy naBean\$WrappedBeanTestImpl | 0.5 | 1 |
| org.apache.commons.configuration2.builder.combined.TestMultiWrapDy naBean | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestReloadingCombinedConfigurationBuilder | 1 | 0 |
| org.apache.commons.configuration2.builder.combined.TestReloadingCombinedConfigurationBuilderFileBased\$1 | 1 | 1 |
| org.apache.commons.configuration2.builder.combined.TestReloadingCombinedConfigurationBuilderFileBased\$2 | 1 | 1 |

| org. a pache. commons. configuration 2. builder. combined. Test Reloading Combined Configuration Builder File Based \$Constant Configuration Builder File | 1 | 1 |
|---|------------|---|
| org. a pache. commons. configuration 2. builder. combined. Test Reloading Combined Configuration Builder File Based \$Reload Thread | 1 | 1 |
| org. a pache. commons. configuration 2. builder. combined. Test Reloading Combined Configuration Builder File Based | 1 | 2 |
| org. a pache. commons. configuration 2. builder. combined. Test Reloading MultiFile Configuration Builder \$Reloading MultiFile Configuration Builder Test Impl\$1 | 0.99996948 | 1 |
| org. a pache. commons. configuration 2. builder. combined. Test Reloading MultiFile Configuration Builder \$Reloading MultiFile Configuration Builder Test Impl | 0.9375 | 2 |
| org. a pache. commons. configuration 2. builder. combined. Test Reloading Multi File Configuration Builder | 1 | 0 |
| org. a pache. commons. configuration 2. builder. fluent. Test Configurations | 1 | 0 |
| org.apache.commons.configuration2.builder.fluent.TestParameters\$1 | 0.75 | 1 |
| org.apache.commons.configuration2.builder.fluent.TestParameters | 0.75 | 1 |
| org.apache.commons.configuration2.builder.ParametersBeanTestImpl | 1 | 0 |
| org. apache. commons. configuration 2. builder. Test Auto Save Listener | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test Basic Builder Parameters | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test Basic Configuration Builder \$1 | 1 | 1 |
| org. a pache. commons. configuration 2. builder. Test Basic Configuration Builder \$2 | 1 | 1 |
| org. a pache. commons. configuration 2. builder. Test Basic Configuration Builder \$Access Builder Thread | 0.9921875 | 1 |
| org.apache.commons.configuration2.builder.TestBasicConfigurationBuilder\$BasicConfigurationBuilderInitFailImpl | 1 | 1 |
| org.apache.commons.configuration2.builder.TestBasicConfigurationBuilder\$InitializableConfiguration | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test Basic Configuration Builder | 1 | 2 |
| org.apache.commons.configuration2.builder.TestBasicConfigurationBuilderEvents\$1 | 1 | 1 |
| org.apache.commons.configuration2.builder.TestBasicConfigurationBuilderEvents | 1 | 1 |
| org.apache.commons.configuration2.builder.TestBuilderConfigurationWr apperFactory | 1 | 0 |
| org.apache.commons.configuration2.builder.TestCopyObjectDefaultHand ler\$1 | 0.9921875 | 1 |

| org. apache. commons. configuration 2. builder. Test Copy Object Default Handler | 0.99951172 | 1 |
|---|------------|---|
| org.apache.commons.configuration2.builder.TestDatabaseBuilderParame tersImpl | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test Default Parameters Manager \$1 | 0.99804688 | 2 |
| org. a pache. commons. configuration 2. builder. Test Default Parameters Manager \$File Based Defaults Handler | 0.9375 | 1 |
| org. a pache. commons. configuration 2. builder. Test Default Parameters Manager | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. builder. Test Default Reloading Detector Factor y | 1 | 0 |
| org. apache. commons. configuration 2. builder. Test Event Listener Parameters | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test File Based Builder Parameters | 1 | 0 |
| $org. apache. commons. configuration 2. builder. Test File Based Configuration \\ Builder \$ 1$ | 1 | 1 |
| org.apache.commons.configuration2.builder.TestFileBasedConfiguration Builder | 1 | 1 |
| org. a pache. commons. configuration 2. builder. Test Hierarchical Builder Parameters Impl | 1 | 0 |
| org.apache.commons.configuration2.builder.TestJndiBuilderParametersImpl | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test Properties Builder Parameters Implement and the properties of th | 1 | 0 |
| org. apache. commons. configuration 2. builder. Test Reloading Builder Support Listener | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test Reloading File Based Configuration Builder \$Reloading File Based Configuration Builder Test Implement Figure 1. The property of the pr | 1 | 1 |
| org. a pache. commons. configuration 2. builder. Test Reloading File Based Configuration Builder | 1 | 0 |
| org. a pache. commons. configuration 2. builder. Test XMLB uilder Parameters Impl | 1 | 0 |
| org.apache.commons.configuration2.ConfigurationAssert | 0.9375 | 0 |
| org. a pache. commons. configuration 2. convert. Test Default Conversion Handler \$1 | 0.984375 | 1 |
| org. a pache. commons. configuration 2. convert. Test Default Conversion Handler | 0.99999997 | 0 |
| org. a pache. commons. configuration 2. convert. Test Default List Delimiter Handler \$1 | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. convert. Test Default List Delimiter Handler | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. convert. Test Disabled List Delimiter Handler | 0.99804688 | 0 |

| org.apache.commons.configuration2.convert.TestPropertyConverter\$1 | 0.75 | 1 |
|---|------------|----|
| org. apache. commons. configuration 2. convert. Test Property Converter | 0.75 | 1 |
| org. apache. commons. configuration 2. Database Configuration Test Helper | 1 | 2 |
| org. a pache. commons. configuration 2. event. Abstract Event Listener Test Impl | 0.9921875 | 2 |
| org. a pache. commons. configuration 2. event. Abstract Test Configuration Events | 0.99902344 | 6 |
| org. apache. commons. configuration 2. event. Error Listener Test Implement and the common state of the | 0.99804688 | 4 |
| org. apache. commons. configuration 2. event. Event Listener Test Implement and the common state of the | 0.99804688 | 10 |
| org. a pache. commons. configuration 2. event. Test Configuration Event Types | 0.75 | 0 |
| org. a pache. commons. configuration 2. event. Test Database Configuration Events | 1 | 0 |
| org.apache.commons.configuration2.event.TestEvent | 0.875 | 0 |
| org. a pache. commons. configuration 2. event. Test Event List ener List \$1 | 1 | 2 |
| $org. a pache. commons. configuration 2. event. Test Event Listener List \\ \$ Event B \\ as e$ | 0.9375 | 4 |
| $org. a pache. commons. configuration 2. event. Test Event Listener List \\ \$ Event S \\ ub 1$ | 0.984375 | 1 |
| $org. a pache. commons. configuration 2. event. Test Event Listener List \\ \$ Event S \\ ub 2$ | 0.984375 | 2 |
| org. a pache. commons. configuration 2. event. Test Event Listener List \$ Listener Test Impl | 0.99999988 | 1 |
| $org. apache. commons. configuration 2. event. Test {\tt EventList} ener {\tt List}$ | 1 | 1 |
| org.apache.commons.configuration2.event.TestEventSource\$1 | 1 | 2 |
| $org. a pache. commons. configuration 2. event. Test Event Source \\ \$ Counting Event Source \\$ | 0.99975586 | 1 |
| org.apache.commons.configuration2.event.TestEventSource | 1 | 1 |
| org.apache.commons.configuration2.event.TestEventType org.apache.commons.configuration2.event.TestHierarchicalConfiguration | 0.75 | 0 |
| Events | 1 | 1 |
| org. a pache. commons. configuration 2. event. Test Map Configuration Events | 1 | 0 |
| org. a pache. commons. configuration 2. event. Test Properties Configuration Events | 1 | 0 |
| $org. a pache. commons. configuration 2. event. Test Subset Configuration Even \\ts$ | 1 | 0 |
| org. a pache. commons. configuration 2. event. Test XML Configuration Events | 1 | 0 |
| org.apache.commons.configuration2.FileURLStreamHandler\$1 | 0.75 | 1 |

| org.apache.commons.configuration2.FileURLStreamHandler | 0.75 | 2 |
|---|-----------------|--------|
| org.apache.commons.configuration2.interpol.TestConfigurationInterpola tor\$1 | 0.5 | 1 |
| org. a pache. commons. configuration 2. interpol. Test Configuration Interpolator | 0.99993896 | 0 |
| org. apache. commons. configuration 2. interpol. Test Constant Look up | 0.875 | 0 |
| org. apache. commons. configuration 2. interpol. Test Dummy Look up | 0.5 | 0 |
| $org. apache. commons. configuration 2. interpol. Test {\tt EnvironmentLookup}$ | 1 | 0 |
| org. apache. commons. configuration 2. interpol. Test ExprLook up \$Utility | 0.5 | 1 |
| org.apache.commons.configuration2.interpol.TestExprLookup | 1 | 0 |
| org.apache.commons.configuration2.interpol.TestInterpolatorSpecification | 0.99975586 | 0 |
| $org. a pache. commons. configuration 2. interpol. Test System Properties Look \\ up$ | 0.875 | 0 |
| org. a pache. commons. configuration 2. Interpolation Test Helper \$1 | 0.75 | 1 |
| org.apache.commons.configuration2.InterpolationTestHelper | 1 | 0 |
| org.apache.commons.configuration2.io.TestAbsoluteNameLocationStrate gy | 0.99996948 | 0 |
| org. a pache. commons. configuration 2. io. Test Base Path Location Strategy | 0.99996948 | 0 |
| org. apache. commons. configuration 2. io. Test Class path Location Strategy | 1 | 0 |
| org. a pache. commons. configuration 2. io. Test Combined Location Strategy | 0.99999905 | 0 |
| org. apache. commons. configuration 2. io. Test Configuration Logger \$1 | 0.9375 | 1 |
| org. apache. commons. configuration 2. io. Test Configuration Logger | 0.9375 | 1 |
| org. a pache. commons. configuration 2. io. Test Default File System | 0.99804688 | 0 |
| org.apache.commons.configuration2.io.TestFileHandler\$1 | 1 | 4 |
| org.apache.commons.configuration2.io.TestFileHandler\$2 org.apache.commons.configuration2.io.TestFileHandler\$3 | 0.99999997 | 1 |
| org.apache.commons.configuration2.io.TestFileHandler\$4 | 0.99999997 1 | 1 1 |
| org.apache.commons.configuration2.io.TestFileHandler\$FileBasedFileLoc atorAwareTestImpl | 0.99609375 | 1 |
| org. a pache. commons. configuration 2. io. Test File Handler \$ File Based Input Stream Support Test Impl | 0.99609375 | 1 |
| org. a pache. commons. configuration 2. io. Test File Handler \$ File Based Test Impl | 0.984375 | 3 |
| org. a pache. commons. configuration 2. io. Test File Handler \$ File Handler Listener Test Impl | 1 | 1 |
| org.apache.commons.configuration2.io.TestFileHandler | 1 | 4 |
| org.apache.commons.configuration2.io.TestFileLocator | 0.984375 | 0 |

| org.apache.commons.configuration2.io.TestFileLocatorUtils | 1 | 0 |
|--|------------|--------|
| org.apache.commons.configuration2.io.TestFileSystemLocationStrategy | 0.99996948 | 0 |
| org.apache.commons.configuration2.io.TestHomeDirectoryLocationStrategy | 0.99996948 | 0 |
| org.apache.commons.configuration2.io.TestProvidedURLLocationStrateg y | 0.99996948 | 0 |
| org.apache.commons.configuration2.Logging org.apache.commons.configuration2.MockInitialContextFactory | 0.5 0.5 | 0 0 |
| org.apache.commons.configuration2.NonCloneableConfiguration | 1 | 2 |
| org.apache.commons.configuration2.NonStringTestHolder | 0.99975586 | 2 |
| org. apache. commons. configuration 2. plist. Abstract Test PL is the test points of the common state of | 0.99951172 | 2 |
| org.apache.commons.configuration2.plist.TestPropertyListConfiguration | 1 | 0 |
| org. a pache. commons. configuration 2. plist. Test Property List Configuration Events | 1 | 0 |
| org.apache.commons.configuration2.plist.TestPropertyListParser | 1 | 0 |
| org. apache. commons. configuration 2. plist. Test XML Property List Configuration | 1 | 0 |
| org. apache. commons. configuration 2. plist. Test XML Property List Configuration Events | 1 | 0 |
| org. a pache. commons. configuration 2. reloading. Always Reloading Detector | 0.75 | 1 |
| org.apache.commons.configuration2.reloading.RandomReloadingDetect or | 0.75 | 1 |
| org. a pache. commons. configuration 2. reloading. Test Combined Reloading Controller | 1 | 0 |
| org.apache.commons.configuration2.reloading.TestFileHandlerReloading Detector\$FileHandlerReloadingDetectorTestImpl | 1 | 1 |
| org.apache.commons.configuration2.reloading.TestFileHandlerReloading Detector | 1 | 0 |
| org. a pache. commons. configuration 2. reloading. Test Managed Reloading Detector | 0.9375 | 0 |
| org. a pache. commons. configuration 2. reloading. Test Periodic Reloading Trigger \$1 | 0.75 | 1 |
| org.apache.commons.configuration2.reloading.TestPeriodicReloadingTrig ger | 0.875 | 1 |
| org.apache.commons.configuration2.reloading.TestReloadingController\$ | 0.96875 | 1 |
| org.apache.commons.configuration2.reloading.TestReloadingController | 0.99998474 | 1 |
| org. apache. commons. configuration 2. reloading. Test VFSFile Handler Reloading Detector \$1 | 0.99987793 | 1 |
| | | |

| org. a pache. commons. configuration 2. reloading. Test VFSFile Handler Reloading Detector \$2 | 0.99987793 | 1 |
|--|------------|----|
| org. a pache. commons. configuration 2. reloading. Test VFSFile Handler Reloading Detector | 0.9999999 | 2 |
| org. a pache. commons. configuration 2. spring. Test Configuration Properties Factory Bean | 1 | 0 |
| org.apache.commons.configuration2.spring.TestConfigurationPropertySource\$Config | 0.5 | 0 |
| org. a pache. commons. configuration 2. spring. Test Configuration Property Source | 1 | 0 |
| org. apache. commons. configuration 2. sync. Test Read Write Synchronizer \$1 | 0.5 | 1 |
| org. a pache. commons. configuration 2. sync. Test Read Write Synchronizer \$A ccount | 0.75 | 2 |
| org. a pache. commons. configuration 2. sync. Test Read Write Synchronizer \$Reader Thread | 0.75 | 1 |
| org. apache. commons. configuration 2. sync. Test Read Write Synchronizer \$Update Thread | 0.9375 | 1 |
| org. apache. commons. configuration 2. sync. Test Read Write Synchronizer | 0.99951172 | 0 |
| org. apache. commons. configuration 2. Synchronizer Test Impl \$ Methods | 0.5 | 11 |
| org.apache.commons.configuration2.SynchronizerTestImpl | 0.875 | 12 |
| org.apache.commons.configuration2.test.HsqlDB | 0.5 | 1 |
| org.apache.commons.configuration2.TestAbstractConfiguration | 0.75 | 6 |
| org.apache.commons.configuration2.TestAbstractConfigurationBasicFeat ures\$1 | 1 | 2 |
| org. a pache. commons. configuration 2. Test Abstract Configuration Basic Features \$ Collecting Configuration Listener | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. Test Abstract Configuration Basic Features \$ Test Configuration Impl | 1 | 2 |
| org. a pache. commons. configuration 2. Test Abstract Configuration Basic Features | 1 | 1 |
| org. a pache. commons. configuration 2. Test Abstract Configuration Synchronization | 1 | 0 |
| $org. a pache. commons. configuration 2. Test Abstract Hierarchical Configuration \\ 5. Test Abstract Hierarchical Configuration \\ Test Implementation \\ 1. Test Abstract Hierarchical Configuration \\ 2. Test Abstract Hierarchical Configuration \\ 3. Test Abstract Hierarchical Configuration \\ 4. Test Abstract Hierarchical Configuration \\ 4. Test Abstract Hierarchical Configuration \\ 4. Test Abstract Hierarchical Configuration \\ 5. Test Abstract Hierarchical Configuration \\ 6. Test$ | 1 | 1 |
| org. a pache. commons. configuration 2. Test Abstract Hierarchical Configuration | 1 | 0 |
| org.apache.commons.configuration2.TestBaseConfiguration | 1 | 0 |
| $org. a pache. commons. configuration 2. Test Base Configuration XMLR eader \$ \\ 1$ | 0.5 | 1 |
| $org. a pache. commons. configuration 2. Test Base Configuration XMLR eader \$ \\ Test Content Handler$ | 0.75 | 1 |
| org. a pache. commons. configuration 2. Test Base Configuration XMLR eader | 1 | 0 |

| org.apache.commons.configuration2.TestBaseHierarchicalConfigurationS ynchronization\$SubNodeAccessThread org.apache.commons.configuration2.TestBaseHierarchicalConfigurationS | 0.99999905 | 1 |
|---|------------|--------|
| ynchronization | 1 | 0 |
| org.apache.commons.configuration2.TestBaseNullConfiguration org.apache.commons.configuration2.TestCatalogResolver | 1 1 | 0 0 |
| org. a pache. commons. configuration 2. Test Combined Configuration \$1 | 1 | 2 |
| $org. a pache. commons. configuration 2. Test Combined Configuration \\ \$ Combined Listener$ | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. Test Combined Configuration \$ReadThread | 0.99975586 | 1 |
| $org. a pache. commons. configuration 2. Test Combined Configuration \$Write \\ Thread$ | 0.99999999 | 1 |
| org. a pache. commons. configuration 2. Test Combined Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. Test Composite Configuration | 1 | 0 |
| org. a pache. commons. configuration 2. Test Composite Configuration Non String Properties | 1 | 0 |
| org. apache. commons. configuration 2. Test Configuration Converter \$1 | 0.99902344 | 1 |
| org. a pache. commons. configuration 2. Test Configuration Converter | 0.99902344 | 1 |
| org. a pache. commons. configuration 2. Test Configuration Look up | 1 | 0 |
| org.apache.commons.configuration2.TestConfigurationMap | 1 | 0 |
| org.apache.commons.configuration2.TestConfigurationSet | 1 | 0 |
| org.apache.commons.configuration2.TestConfigurationUtils\$1 | 0.99993896 | 2 |
| org.apache.commons.configuration2.TestConfigurationUtils\$2 | 1 | 1 |
| org.apache.commons.configuration2.TestConfigurationUtils\$3 | 0.99987793 | 1 |
| org.apache.commons.configuration2.TestConfigurationUtils\$CloneableSynchronizer | 0.96875 | 1 |
| org. a pache. commons. configuration 2. Test Configuration Utils \$NonClone able Synchronizer | 0.984375 | 2 |
| org.apache.commons.configuration2.TestConfigurationUtils | 1 | 3 |
| org. a pache. commons. configuration 2. Test Database Configuration \$Potential Error Database Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. Test Database Configuration | 1 | 0 |
| org.apache.commons.configuration2.TestDataConfiguration | 1 | 0 |
| org.apache.commons.configuration2.TestDynamicCombinedConfiguration\$ReaderThread | 1 | 1 |
| $org. a pache. commons. configuration 2. Test Dynamic Combined Configuration \\ n \$ Reload Thread$ | 1 | 1 |
| org.apache.commons.configuration2.TestDynamicCombinedConfiguratio | | |

| $org. a pache. commons. configuration 2. Test Dynamic Combined Configuration \\ n$ | 1 | 2 |
|--|------------|--------|
| org. apache. commons. configuration 2. Test Environment Configuration | 1 | 0 |
| org.apache.commons.configuration2.TestEqualBehaviour org.apache.commons.configuration2.TestEqualsProperty | 1 1 | 0 0 |
| org. apache. commons. configuration 2. Test Hierarchical Configuration | 1 | 0 |
| $org. a pache. commons. configuration 2. Test Hierarchical Configuration XMLR\\ eader$ | 1 | 0 |
| org. a pache. commons. configuration 2. Test Hierarchical XML Configuration | 1 | 0 |
| org. apache. commons. configuration 2. Test Immutable Configuration | 1 | 0 |
| $org. a pache. commons. configuration 2. Test INI Configuration \$Global Section \\ Test Thread$ | 1 | 1 |
| org.apache.commons.configuration2.TestINIConfiguration | 1 | 0 |
| org.apache.commons.configuration2.TestJNDIConfiguration\$PotentialErr orJNDIConfiguration | 1 | 1 |
| org.apache.commons.configuration2.TestJNDIConfiguration | 1 | 0 |
| org. apache. commons. configuration 2. Test JNDIEn vironment Values | 1 | 0 |
| org.apache.commons.configuration2.TestJSONConfiguration | 1 | 0 |
| org.apache.commons.configuration2.TestMapConfiguration org.apache.commons.configuration2.TestNonStringProperties | 1 | 0 |
| org.apache.commons.configuration2.TestNullCompositeConfiguration | 1 | 0 |
| org.apache.commons.configuration2.TestNullJNDIEnvironmentValues | 1 | 0 |
| org. apache. commons. configuration 2. Test Pattern Subtree Configuration | 1 | 0 |
| org.apache.commons.configuration2.TestPropertiesConfiguration\$1 | 1 | 1 |
| org. apache. commons. configuration 2. Test Properties Configuration \$2 | 1 | 1 |
| org. apache. commons. configuration 2. Test Properties Configuration \$3 | 1 | 1 |
| org.apache.commons.configuration2.TestPropertiesConfiguration\$DummyLayout | 1 | 1 |
| org.apache.commons.configuration2.TestPropertiesConfiguration\$Mock HttpURLConnection | 0.5 | 1 |
| $org. apache. commons. configuration 2. Test Properties Configuration \\ \$ Mock \\ Http URL Stream Handler$ | 0.75 | 1 |
| org. a pache. commons. configuration 2. Test Properties Configuration \$Properties Reader Test Impl | 0.75 | 1 |
| org. a pache. commons. configuration 2. Test Properties Configuration \$Properties Writer Test Impl | 0.99975586 | 1 |

| org. a pache. commons. configuration 2. Test Properties Configuration | 1 | 3 |
|--|------------|---|
| org.apache.commons.configuration2.TestPropertiesConfigurationLayout \$LayoutTestConfiguration | 1 | 1 |
| org.apache.commons.configuration2.TestPropertiesConfigurationLayout \$PropertiesBuilder | 0.5 | 1 |
| org. a pache. commons. configuration 2. Test Properties Configuration Layout | 1 | 0 |
| org. a pache. commons. configuration 2. Test Properties Sequence | 1 | 0 |
| org. a pache. commons. configuration 2. Test Strict Configuration Comparator | 1 | 0 |
| org.apache.commons.configuration2.TestSubnodeConfiguration\$1 | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. Test Subnode Configuration | 0.99999994 | 1 |
| org.apache.commons.configuration2.TestSubsetConfiguration\$1 | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. Test Subset Configuration | 1 | 1 |
| org.apache.commons.configuration2.TestSystemConfiguration\$1 | 0.75 | 1 |
| org. a pache. commons. configuration 2. Test System Configuration | 1 | 1 |
| org. a pache. commons. configuration 2. Test Three some Configuration | 1 | 0 |
| org.apache.commons.configuration2.TestXMLConfiguration\$1 | 0.99999988 | 1 |
| org.apache.commons.configuration2.TestXMLConfiguration\$ReloadThre ad | 0.99999999 | 1 |
| org. a pache. commons. configuration 2. Test XML Configuration | 1 | 2 |
| org.apache.commons.configuration2.TestXMLConfiguration_605 org.apache.commons.configuration2.TestXMLDocumentHelper | 1 0.875 | 0 |
| org.apache.commons.configuration2.TestXMLListHandling | 1 | 0 |
| org.apache.commons.configuration2.TestXMLPropertiesConfiguration\$1 | 0.75 | 1 |
| org.apache.commons.configuration2.TestXMLPropertiesConfiguration | 0.99998474 | 1 |
| org.apache.commons.configuration2.TestYAMLConfiguration | 1 | 0 |
| org.apache.commons.configuration2.tree.AbstractCombinerTest | 1 | 3 |
| org. a pache. commons. configuration 2. tree. Abstract Immutable Node Handler Test \$1 | 0.984375 | 2 |
| org.apache.commons.configuration2.tree.AbstractImmutableNodeHandlerTest\$DummyNodeMatcher | 0.9375 | 1 |
| org.apache.commons.configuration2.tree.AbstractImmutableNodeHandlerTest | 0.9921875 | 3 |
| org.apache.commons.configuration2.tree.NodeStructureHelper\$1 | 0.5 | 1 |
| org.apache.commons.configuration2.tree.NodeStructureHelper\$2 | 0.5 | 1 |
| org.apache.commons.configuration2.tree.NodeStructureHelper | 1 | 0 |

| org. apache. commons. configuration 2. tree. Test Default Configuration Key | 0.99998474 | 0 |
|--|------------|---|
| $org. apache. commons. configuration 2. tree. Test Default Expression Engine \$ \\ 1$ | 0.96875 | 1 |
| org. apache. commons. configuration 2. tree. Test Default Expression Engine | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. tree. Test Default Expression Engine Symbols | 0.9375 | 0 |
| org. apache. commons. configuration 2. tree. Test Immutable Node | 0.99804688 | 0 |
| org. apache. commons. configuration 2. tree. TestIn Memory Node Model \$1 | 0.99609375 | 1 |
| org. apache. commons. configuration 2. tree. Test In Memory Node Model \$2 | 0.96875 | 1 |
| org.apache.commons.configuration2.tree.TestInMemoryNodeModel\$3 | 0.9921875 | 1 |
| org. apache. commons. configuration 2. tree. Test In Memory Node Model | 0.99996948 | 3 |
| org. a pache. commons. configuration 2. tree. Test In Memory Node Model References \$1 | 0.96875 | 1 |
| org. a pache. commons. configuration 2. tree. Test In Memory Node Model References | 0.99804688 | 1 |
| org.apache.commons.configuration2.tree.TestInMemoryNodeModelTrac kedNodes\$1 | 0.75 | 1 |
| org. a pache. commons. configuration 2. tree. Test In Memory Node Model Tracked Nodes | 1 | 0 |
| org. a pache. commons. configuration 2. tree. Test Merge Combiner | 1 | 0 |
| org.apache.commons.configuration2.tree.TestNodeAddData | 0.984375 | 0 |
| org. a pache. commons. configuration 2. tree. Test Node Handler Decorator \$1 | 0.96875 | 1 |
| org. a pache. commons. configuration 2. tree. Test Node Handler Decorator | 0.99609375 | 1 |
| org. apache. commons. configuration 2. tree. Test Node Name Matchers | 0.99999997 | 0 |
| org. apache. commons. configuration 2. tree. Test Node Selector | 1 | 0 |
| org. apache. commons. configuration 2. tree. Test Node Tree Walker \$1 | 0.5 | 1 |
| org. a pache. commons. configuration 2. tree. Test Node Tree Walker \$ Test Visit or | 0.99951172 | 1 |
| org. a pache. commons. configuration 2. tree. Test Node Tree Walker | 1 | 0 |
| org.apache.commons.configuration2.tree.TestNodeUpdateData | 0.75 | 0 |
| org. apache. commons. configuration 2. tree. Test Override Combiner | 1 | 0 |
| org. apache. commons. configuration 2. tree. Test Query Result | 0.99999988 | 0 |
| org. apache. commons. configuration 2. tree. Test Tracked Node Handler | 0.99999952 | 0 |
| org. apache. commons. configuration 2. tree. Test Tracked Node Model | 1 | 0 |

| org.apache.commons.configuration2.tree.TestTreeData org.apache.commons.configuration2.tree.TestUnionCombiner | 1 1 | 0 0 |
|--|------------|--------|
| org.apache.commons.configuration2.tree.xpath.AbstractXPathTest | 0.9999988 | 4 |
| org. a pache. commons. configuration 2. tree. xpath. Test Configuration Attribute Pointer | 1 | 0 |
| org. a pache. commons. configuration 2. tree. xpath. Test Configuration Iterator Attributes | 1 | 0 |
| org. a pache. commons. configuration 2. tree. xpath. Test Configuration Node Iterator Children | 1 | 0 |
| org. a pache. commons. configuration 2. tree. xpath. Test Configuration Node Pointer | 1 | 0 |
| org. a pache. commons. configuration 2. tree. xpath. Test Configuration Node Pointer Factory | 1 | 0 |
| $org. a pache. commons. configuration 2. tree. xpath. Test XPath Context Factor \\ y$ | 0.9999999 | 0 |
| org. a pache. commons. configuration 2. tree. xpath. Test XPath Expression Engine | 1 | 0 |
| org. a pache. commons. configuration 2. tree. xpath. Test XPath Expression Engine En | 1 | 0 |
| org. apache. commons. configuration 2. web. Test Applet Configuration \$1 | 0.99975586 | 1 |
| org. apache. commons. configuration 2. web. Test Applet Configuration | 0.99975586 | 1 |
| org. apache. commons. configuration 2. web. Test Servlet Configuration \$1 | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Configuration | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Context Configuration \$1 | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Context Configuration \$2 | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Context Configuration \$3 | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Context Configuration | 0.99993896 | 3 |
| org. a pache. commons. configuration 2. web. Test Servlet Filter Configuration \$ 1 | 0.5 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Filter Configuration \$ Mock Filter Config | 0.99987793 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Filter Configuration | 0.99987793 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Request Configuration \$1 | 0.99975586 | 1 |
| org. a pache. commons. configuration 2. web. Test Servlet Request Configuration \$2 | 0.99975586 | 1 |
| | | |