

Configuring Test Configurations

In this section:

- [Overview](#)
- [Running a Test Configuration](#)
- [Viewing Available Test Configurations](#)
- [Built-in Test Configurations](#)
- [Creating Custom Rules](#)

Overview

Test configurations define how your code is analyzed and tested, including which static analysis rules are enabled, which tests to run, and other analysis parameters. Jtest ships with built-in test configurations, but users can create and store their own test configurations in the DTP server (see the DTP documentation for details).

User-defined test configurations that are stored in DTP can be downloaded from the DTP server and stored in the [INSTALL_DIR]/configs/user directory as *.properties files.

Running a Test Configuration

You can specify which configuration will be run in one of the following ways:

- Run `jtestcli` with the `-config` switch and specify a built-in, user-defined or DTP-hosted test configuration:

```
-config "builtin://Recommended Rules"  
-config "user://Foo Configuration"  
-config "dtp://Foo Team Configuration"  
-config "dtp://FooTeamConfig.properties"
```

 Alternatively, you can add the prefix of the Parasoft tool you are using to specify a DTP-hosted test configuration:

```
-config "jtest.dtp://Foo Team Configuration"
```

You can also provide a path or URL to the test configuration .properties file:

```
-config "C:\Devel\Configs\FooConfig.properties"  
-config "http://foo.bar.com/configs/FooConfig.properties"
```

For example, your command line may resemble the following:

```
jtestcli -config "user://Configuration Name"
```

- In the .properties file, specify the default configuration that will be run when the `-config` option is not used:

```
jtest.config=user://Configuration Name
```

Ant and Maven Pattern

If you use Ant or Maven, you can specify the test configuration with the following pattern:

```
<config>user://Configuration Name</config>
```



Settings Property Pattern

```
jtest.config=user://Configuration Name
```

Viewing Available Test Configurations

Use the `-listconfigs` switch to print the available test configurations.

Use arguments to filter configurations; the use of "*" expressions is supported

- `-listconfigs` - prints all available configurations
- `-listconfigs builtin` - prints all built-in configurations
- `-listconfigs builtin*Secure*` - prints all built-in configurations that contain "secure" in the name

Built-in Test Configurations

See [Built-in Test Configurations](#) for information about available built-in test configurations.

Creating Custom Rules

Use RuleWizard to create custom rules. See the [RuleWizard User Guide](#) for information about RuleWizard capabilities and usage.

To use the rule, it needs to be enabled in a test configuration and the custom rule file must be located in one of the following directories:

- `[INSTALL_DIR]\rules\user\`
- `[DOCUMENTS DIR]\Parasoft\{tool_name}\rules` where `[DOCUMENTS DIR]` refers to the "My Documents" directory on Windows.