

# Exec

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## 1. Exec Task

Exec tasks are used to run system commands, scripts, etc. The console output from a command can be used to determine if an error occurred. Log files and other files based reports can be saved to the project report for later review and assessment.

### Exec Task

Field	Required	Property	Description
Name	Yes		The name of the task
Command	Yes		The system command to run
Directory	No		The working directory to run the command from. The default value is <code>\${project.path}</code> , which is defined in the project.
Enabled	Yes		Enable/Disable the task
On Error	Yes		What to do if an error is detected.
Timeout	Yes		Set the task timeout in seconds. A value of zero disables the timeout.

### 1.1. Error Evaluation

Exec tasks will always report errors when the command returns a non zero return code. But, you can have situations where you will need to report an error based on the output from the command. For those scenarios, use the Error Evaluation section. This allows you to define a list of values that will cause the task to report errors and warnings. The Tokens field will accept a list of comma separated values.

Field	Required	Property	Description
Stream	Yes		The output stream to evaluate. It's best to

			use STDANY, which will check both STDOUT and STDERR. The current task execution implementation combines stdout and stderr, so using STDANY will cover all cases.
Tokens	Yes		A comma separated list of values to search for. You can also use regular expressions by prefixing the value with <b>regex</b> :
Type	Yes		Select whether a match should trigger an Error or Warning.

Here are a few examples of token lists. String tokens are case sensitive.

```
One,Two,Three,FOUR
regex:One|Two
One,Two,regex:F.*R
```

More information can be found in the [regular expression](#) javadoc reference for Java.

## 1.2. File Attachments

Once a task has completed, you have the option to collect files or directories that can be linked to the project report. The section called File Attachments is used for this purpose. When the task completes, any defined attachments are copied to another directory and linked to the final project report. The project report will contain URL links that refer to these attachments. The default installation of JABS will store these copies under the ROOT webapp. If you go to the Administration page, you'll see the path definitions for attachments. When reports are purged from the system, so are the attachments which are linked to the report. So, the storage overhead to keep these artifacts around is managed.

### Note:

File and directory names must be exact. Patterns are not yet supported.

Field	Required	Property	Description
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Description	Yes		A name describing the attachment
File	Yes		A file or directory to save with the report

In the figure above, the attachment feature is used to pickup JUnit and Clover reports. This allows the recipients of the Email report to view the results.