NAME

kyua report-html - Generates an HTML report with the results of a test suite run

SYNOPSIS

kyua report-html [**--force**] [**--output** *path*] [**--results-file** *file*] [**--results-filter** *types*]

DESCRIPTION

The **kyua report-html** command provides a simple mechanism to generate HTML reports of the execution of a test suite. The command processes a results file and then populates a directory with multiple HTML and supporting files to describe the results recorded in that results file.

The HTML output is static and self-contained, so it can easily be served by any simple web server. The command expects the target directory to not exist, because it would overwrite any contents if not careful.

The following subcommand options are recognized:

--force
> Forces the deletion of the output directory if it exists. Use care, as this effectively means a 'rm -rf'.

--output *directory*
> Specifies the target directory into which to generate the HTML files. The directory must not exist unless the **--force** option is provided. The default is *./html*.

--results-file *path*, **-s** *path*
> Specifies the results file to operate on. Defaults to 'LATEST', which causes **kyua report-html** to automatically load the latest results file from the current test suite.

> The following values are accepted:

> 'LATEST'
>> Requests the load of the latest results file available for the test suite rooted at the current directory.

> Directory
>> Requests the load of the latest results file available for the test suite rooted at the given directory.

> Test suite name
>> Requests the load of the latest results file available for the given test suite.

Results identifier
Requests the load of a specific results file.

Explicit file name (aka everything else)
Load the specified results file.

See *Results files* for more details.

--results-filter *types*
Comma-separated list of the test result types to include in the report. The ordering of the values is respected so that you can determine how you want the list of tests to be shown.

The valid values are: 'broken', 'failed', 'passed', 'skipped' and 'xfail'. If the parameter supplied to the option is empty, filtering is suppressed and all result types are shown in the report.

The default value for this flag includes all the test results except the passed tests. Showing the passed tests by default clutters the report with too much information, so only abnormal conditions are included.

Results files

Results files contain, as their name implies, the results of the execution of a test suite. Each test suite executed by kyua-test(1) generates a new results file, and such results files can be loaded later on by inspection commands such as kyua-report(1) to analyze their contents.

Results files support identifier-based lookups and also path name lookups. The differences between the two are described below.

The default naming scheme for the results files provides simple support for identifier-based lookups and historical recording of test suite runs. Each results file is given an identifier derived from the test suite that generated it and the time the test suite was run. Kyua can later look up results files by these fields.

The identifier follows this pattern:

<test_suite>.<YYYYMMDD>-<HHMMSS>-<uuuuuu>

where 'test_suite' is the path to the root of the test suite that was run with all slashes replaced by underscores and 'YYYYMMDD-HHMMSS-uuuuuu' is a timestamp with microsecond resolution.

When using the default naming scheme, results files are stored in the *~/.kyua/store/* subdirectory and each file holds a name of the form:

~/.kyua/store/results.<identifier>.db

Results files are simple SQLite databases with the schema described in the
/usr/share/kyua/store/schema_v?.sql files. For details on the schema, please refer to the heavily
commented SQL file.

EXIT STATUS
The **kyua report-html** command always returns 0.

Additional exit codes may be returned as described in kyua(1).

EXAMPLES
  Workflow with results files
If one runs the following command twice in a row:

    kyua test -k /usr/tests/Kyuafile

the two executions will generate two different files with names like:

    ~/.kyua/store/results.usr_tests.20140731-150500-196784.db
    ~/.kyua/store/results.usr_tests.20140731-151730-997451.db

Taking advantage of the default naming scheme, the following commands would all generate a report
for the results of the *latest* execution of the test suite:

    cd /usr/tests && kyua report-html
    cd /usr/tests && kyua report-html --results-file=LATEST
    kyua report-html --results-file=/usr/tests
    kyua report-html --results-file=usr_tests
    kyua report-html --results-file=usr_tests.20140731-151730-997451

But it is also possible to explicitly load data for older runs or from explicitly-named files:

    kyua report-html \
        --results-file=usr_tests.20140731-150500-196784
    kyua report-html \
        --results-file=~/.kyua/store/results.usr_tests.20140731-150500-196784.db

SEE ALSO
kyua(1), kyua-report(1), kyua-report-junit(1)