

Q45 - Servlet Forwarding

Which statements are true about the following request attributes:

- `javax.servlet.forward.request_uri`
 - `javax.servlet.forward.context_path`
 - `javax.servlet.forward.servlet_path`
 - `javax.servlet.forward.path_info`
 - `javax.servlet.forward.query_string`
- a. These are all valid request attributes which must be set by the container after the request is forwarded using `RequestDispatcher#forward(-)` method
- b. Some or all of the above request attributes doesn't have to be set by the container during request forwarding using `RequestDispatcher#forward(-)` method
- c. Some or all of the above request attributes are valid if the word "forward" will be replaced with "include"
- d. Some or all of the above request attributes are valid if the word "forward" will be replaced with "async"
- e. Some or all of the above request attributes are always holding the original request information even if multiple forwarding operations were made

Hide answer

a, c, d, e

Reference: pages 90 - 95, 9.2 "Using a Request Dispatcher"

Explanation: The Servlets 3.0 brings **new set of request attributes** which are set after dispatching the asynchronous processing using `AsyncContext#dispatch(-)`. These attributes replaces the "forward" word in the above example with **async**, just as option d suggests.

All of those attributes always hold the information about the **original** request.