

RequestDispatcher -

It is interface which is used to dispatching the request to another resource such as HTML, JSP, servlet etc.

There are two methods in RequestDispatcher as below

1. **public void forward(ServletRequest request,ServletResponse response)throws ServletException,java.io.IOException-**

It forwards a request from a servlet to another resource (servlet, JSP file, or HTML file) on the server.

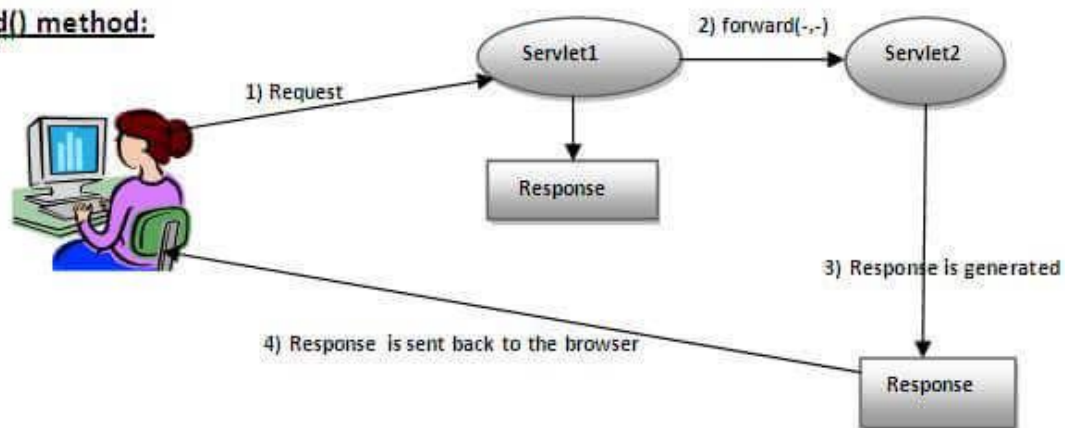
2. **public void include(ServletRequest request,ServletResponse response)throws ServletException,java.io.IOException-**

It includes the content of a resource (servlet, JSP page, or HTML file) in the response.

forward method-

As you see in the below figure, response of second servlet is sent to the client. Response of the first servlet is not displayed to the user.

forward() method:



Syntax- `public RequestDispatcher getRequestDispatcher(String resource);`

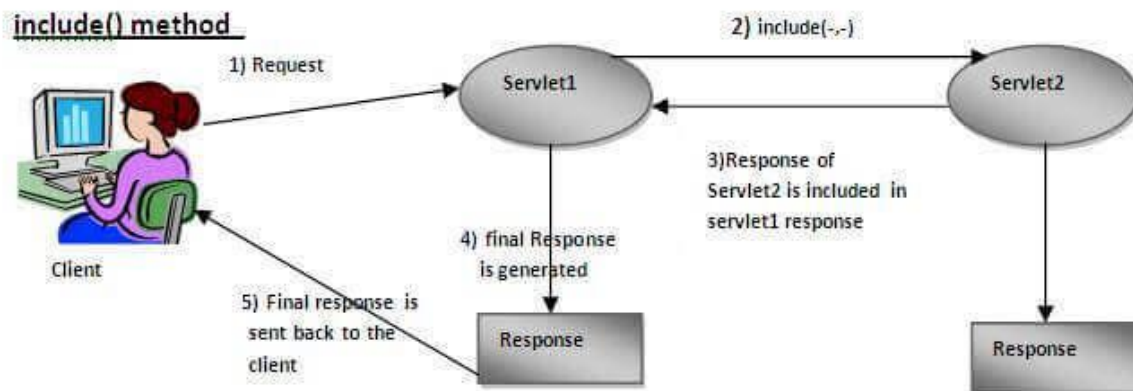
Example-`RequestDispatcher rd=request.getRequestDispatcher("success.jsp");`
`rd.forward(request, response);`

Note- in this example, The return type of `getRequestDispatcher()` method is `RequestDispatcher` that's why we are able to write `RequestDispatcher rd`;

`rd` is the reference of `RequestDispatcher` interface.

include method-

As you can see in the below figure, response of second servlet is included in the response of the first servlet that is being sent to the client.



Syntax- `public RequestDispatcher getRequestDispatcher(String resource);`

Example-`RequestDispatcher rd=request.getRequestDispatcher("success.jsp");`
`rd.include(request, response);`