



Session Tracking

Authored by : Sangeeta Joshi

Presented by: Sangeeta Joshi

This presentation is the intellectual property of Cybage Software Pvt. Ltd. and is meant for the usage of the intended Cybage employee/s for training purpose only. This should not be used for any other purpose or reproduced in any other form without written permission and consent of the concerned authorities.

Agenda

- What is Session Tracking?
 - Session
 - State
- Different ways of Session Tracking

Session Tracking: Four ways

- Hidden Form Fields
- URL Rewriting
- Cookies
- Http Session

Hidden Form Fields

- Hidden Form Fields can be used for storing Session Information
- This information can be retrieved later on through `HttpServletRequest`
- Limitations:
 - Can be used only on Dynamically generated pages
 - Security loopholes

Cookies

- This is the most common way of Session Tracking
- Cookies (Name-Value pairs) are sent to client by server.
- Client sends them back if it wants to continue with session
- Limitations:
 - Cookie can not grow more than 4k in size
 - Cookie may pose some privacy concern for user

URL Rewriting

- Session parameters are appended to the URL.
- It is a less elegant solution as :
 - Session cannot be maintained by requesting well-known urls
 - Does not allow the use of static pages
 - URLs may get quite lengthy
 - Must be ensured that every URL referencing your site is appended with session info
 - It brings up some privacy issues
 - User may leave the session & come back with a bookmark.
In such cases, Session info is lost.

Http Session

- This is a reliable way of Session Tracking
- Obtain a session object
- Add name-value pairs to Session through `setAttribute()`
- Retrieve values using `getAttribute()`

Response Redirection

- If you want the browser to initiate a new request for a resource which is not available on same web application ,then use `sendRedirect()`
- `public void sendRedirect (String path) :` This method is available for `HttpServletResponse` object

Any Questions?

