

# ClientStateStorage

```
/*
 * Created on 31.05.2005
 */
package scm.hivemind.statefulservice;

import javax.servlet.http.HttpSession;

/**
 * Provides storage for stateful (long-lived) services. Should normally use
 * a HTTP-Session which must be provided to it externally (by some Filter).
 * For testing outside of a servlet-container it can also use an own,
 * Map-based implementation.
 *
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 */
public interface ClientStateStorage {
    /**
     * provides the current user's session to the Storage. should be called
     * by a filter at the beginning of each request.
     *
     * @param session
     */
    void provideSession( HttpSession session );

    /**
     * store a service.
     *
     * @param key
     * @param obj
     */
    void store( String key, StateStorageClearanceListener obj);

    /**
     * retrieve a service.
     *
     * @param key
     * @return
     */
    StateStorageClearanceListener retrieve( String key );

    /**
     * <b> testing only </b> clears the client store with the given Id
     *
     * @param clientId
     */
    void clear( String clientId );

    /**
     * <b> testing only </b> sets the client store to the one
     * with the given Id, creating it as needed.
     *
     * @param clientId
     */
    void setClientId(String clientId);
}
```