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SessionContext is an object available only at the server that enables access to session information as well as certain objects related to a session during the handling of a client request.

## Example

We have developed an application that reviews all existing messages in an email account and displays the number of messages. The request is initiated at the client by clicking a button.

The call using a button is illustrated in [Client Actions](#) or [Server Actions](#)

The server action accesses the mail server; the required access data is obtained from the application configuration.

Sample code for the server action:

```
/**
 * Returns the number of mails from a preconfigured email account.
 *
 * @return the number of mails
 */
public int getEmailCount()
{
    IConfiguration cfgSession = SessionContext.getCurrentSessionConfig();

    String sServer = cfgSession.getProperty("/application/email/server");
    String sPort = cfgSession.getProperty("/application/email/port");
    String sProtocol = cfgSession.getProperty("/application/email/protocol");
    String sUser = cfgSession.getProperty("/application/email/username");
    String sPwd = cfgSession.getProperty("/application/email/password");

    MailCheck mcheck = new MailCheck(sServer, sPort, sProtocol);

    return mcheck.getMails(sUser, sPwd).size();
}
```

Excerpt from the configuration file:

```
...
...

<email>
  <server>servername or ip</server>
  <port>110</port>
  <protocol>pop3</protocol>
  <username>username</username>
  <password>password</password>
</email>

</application>
```

## SessionContext Life Cycle



### Additional Examples

SessionContext can also be used for the following:

- Access session properties (e.g., application name, username, client properties)
- Request the name of the current action
- Access the server configuration
- Use of the direct server connection
- Add or remove objects related to a call

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