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## How Is The Duration Of Active Z39.50 Sessions Calculated?

- **Article Type:** Q&A
  - **Product:** Aleph
  - **Product Version:** 20
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### Question

How is the duration of active Z39.50 sessions calculated?

### Answer

- The number of active z39.50 sessions is controlled by the Aleph basic license parameter MAX-Z39-USERS
- Each time a z39.50 client connects to the z39.50 server an available session is subtracted from the value defined in the MAX-Z39-USERS parameter
- When a z39.50 client's session sends no requests for two minutes, the session becomes idle and the MAX-Z39-USERS parameter increases by one session.
- If a session has become idle and the total number of MAX-Z39-USERS is in use, the client's connection will close
- If the total number of MAX-Z39-USERS is not in use, the z39.50 server will keep a connection for one hour after becoming idle
- After one hour, the client's connection will close

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### Additional Information

Closure of a client's connection does not affect the current count of available z39.50 sessions

**Category:** Z39.50 (500)

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