### Begin critical block

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Command group** | **Flag affected** | **Reversible** | **Execute on client** | **Platform(s)** |
| [Threads](../threads.html) | NO | NO | NO | All |

#### Syntax

**Begin critical block**

#### Description

**Begin critical block** is only applicable to the multithreaded server. It marks the start of a critical block, namely a section of code which needs to execute in single threaded mode without allowing other client methods to execute. You use [*End critical block*](end_critical_block.html) to mark the end of a critical block.

One example of when you should use a critical block is as follows. Class variables are shared by all clients. Simple atomic operations, such as the direct assignment of a value to a class variable are safe. Other operations, such as when a method call is involved, could cause problems, because the method call might be interrupted by another thread. To avoid this, use a critical block.

#### Example

###### **Begin critical block**

###### Calculate cClassVar as $cinst.$getvalue()

###### End critical block