# AsyncAppender

AsyncAppender logs . 它仅作为一个事件分派器，因此必须引用另一个appender来做任何有用的事情。

AsyncAppender buffers events in a BlockingQueue.由AsyncAppender创建的工作者线程从队列的头部获取事件，并将它们分派给连接到AsyncAppender的单个appender。默认情况下，如果队列达到80%，那么AsyncAppender会删除TRSCE,DEBUG,INFO的事件。(Note that by default,AsyncAppender will drop events of level TRACE,DEBUG and INFO if its queue is 80% full.)

**queueSize** The maximum capacity of the blocking queue.By default,queueSize is set to 256.

**discardingThreshold** By default,when the blocking queue has 20% capacity remaining,it will drop events of level TRACE,DEBUG and INFO,keeping only events of level WARN and ERROR.To keep all events,set discardingThreshold to 0.

**includeCallerData** Extracting caller data can be rather expensive.To improve performance,by default, caller data associated with an event is not extracted when the event added to the event queue.By default,only “cheap” data like the thread name and the MDC are copied.You can direct this appender to include caller data by setting the includeCallerData property to true.

**neverBlock** If false(the default) the appender will block on appending to a full queue rather than losing the message. Set to true and the appender will just drop the message and will not block your application.

**maxFlushTime** Depending on the queue depth and latency to the referenced appender,the AsyncAppender may take an unacceptable amount of time to fully flush the queue.When the LoggerContext is stopped,the AsyncAppender stop method waits up to this timeout for the worker thread to complete.Use maxFlushTime to specify a maximum queue flush timeout in milliseconds.Events that cannot be processed within this window are discarded.Semantics of this value are identical to that of Thread.join(long).

<!-- ======================= 异步输出（很容易出现丢日志问题） ======================= -->

<appender name=*"ASYNC"* class=*"ch.qos.logback.classic.AsyncAppender"*>

<!-- 不丢失日志（默认当队列80%已满，则会丢弃TRACT,DEBUG,INFO级别的日志） -->

<!-- <discardingThreshold>0</discardingThreshold> -->

<!-- 更改默认的队列的深度，该值会影响性能，默认值为256 -->

<queueSize>512</queueSize>

<!-- 不阻塞 -->

<neverBlock>true</neverBlock>

<!-- 添加附加的appender，最多只能添加一个 -->

<appender-ref ref=*"FILE"* />

</appender>

<logger name=*"com.work.demo"* level=*"debug"* additivity=*"false"*>

<appender-ref ref=*"ASYNC"* />

</logger>