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*zookeeper*

*zookeeper*

*zxid Zookeeper Transaction Id*  
*zookeeper          zxid*

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*1M*

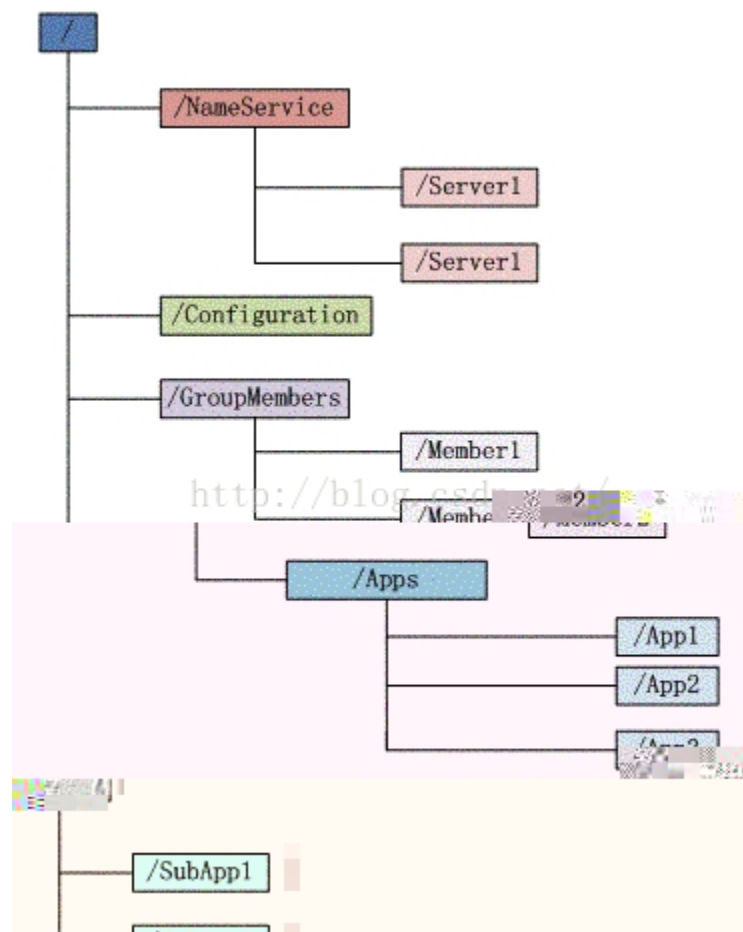
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*PERSISTENT-*

*PERSISTENT\_SEQUENTIAL-*

*EPHEMERAL-*

*EPHEMERAL\_SEQUENTIAL-*



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*watcher*

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*znode*  
*watcher*

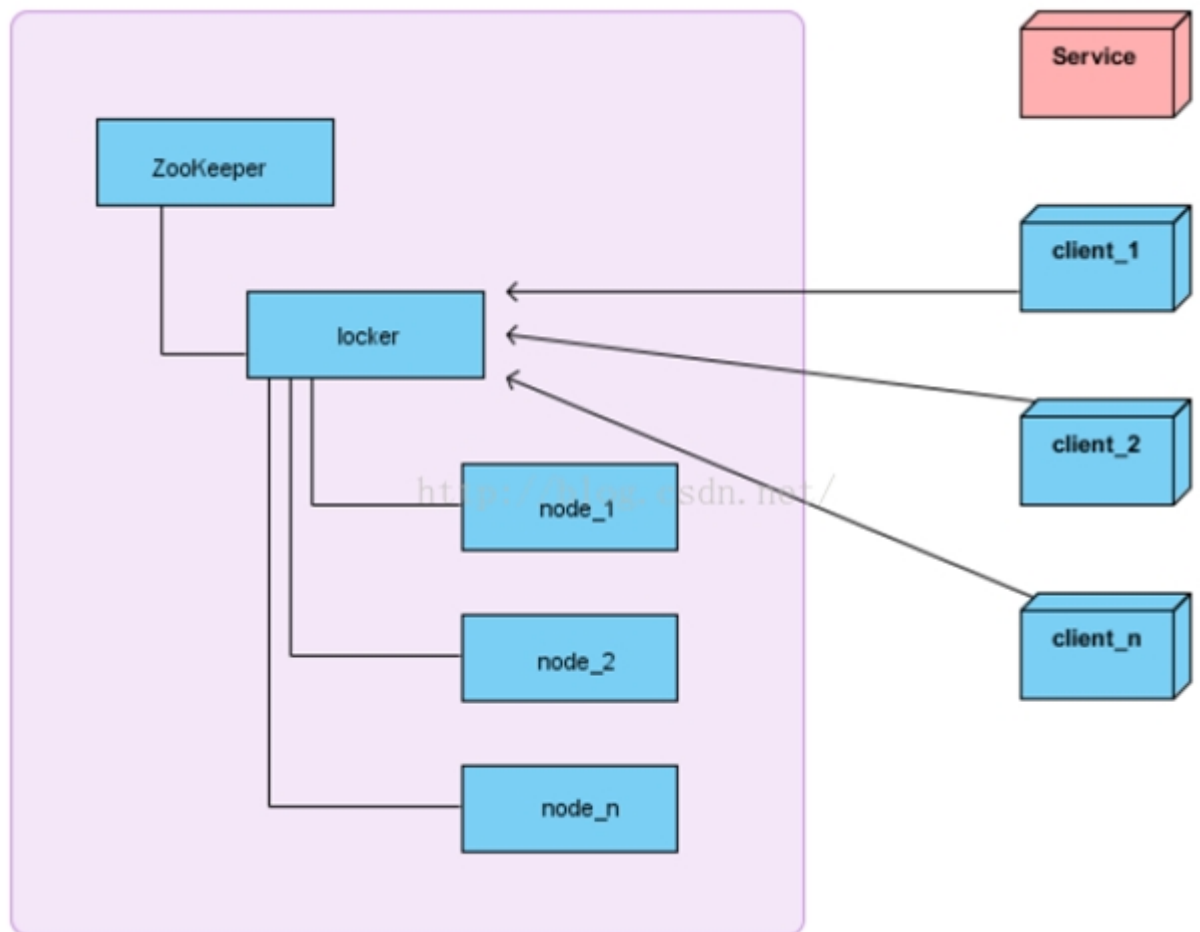
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*master*

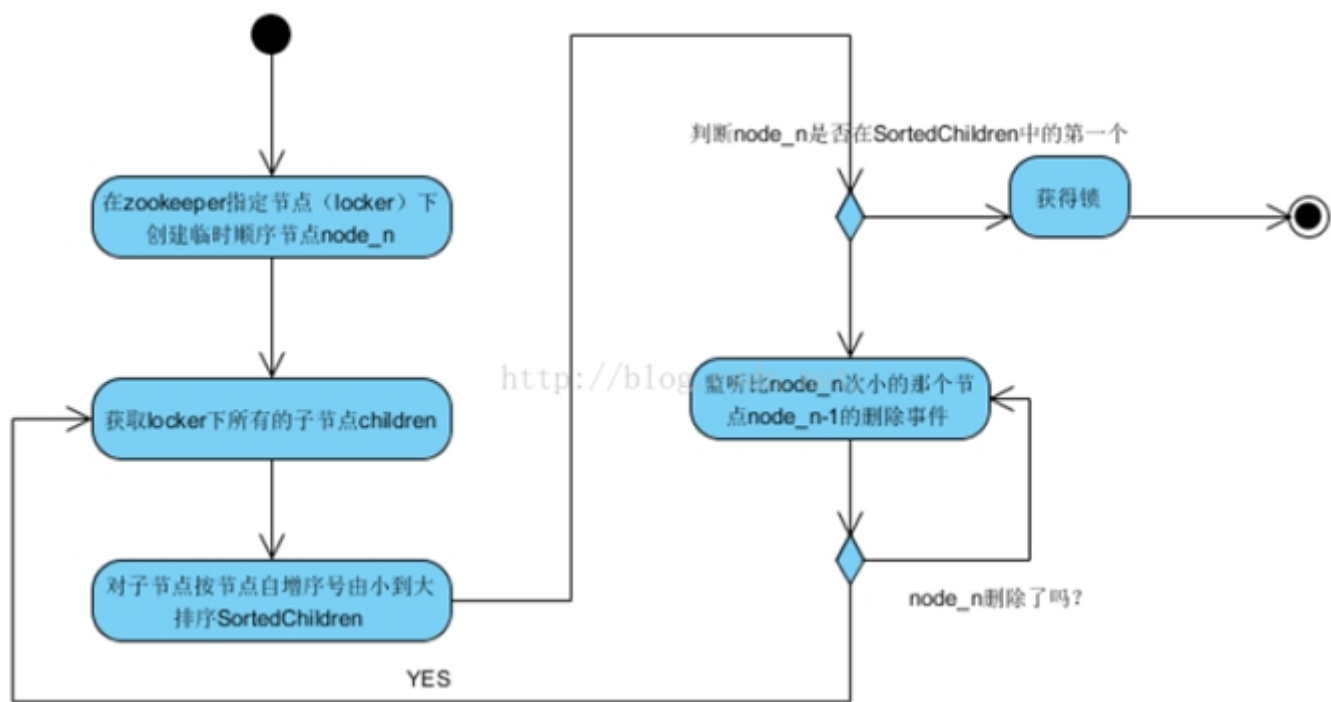
*master*

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*znode*



*exist()*



*BaseDistributedLock*

*PERSISTENT\_SEQUENTIAL*

*Watcher*

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*Server*

*Zab*

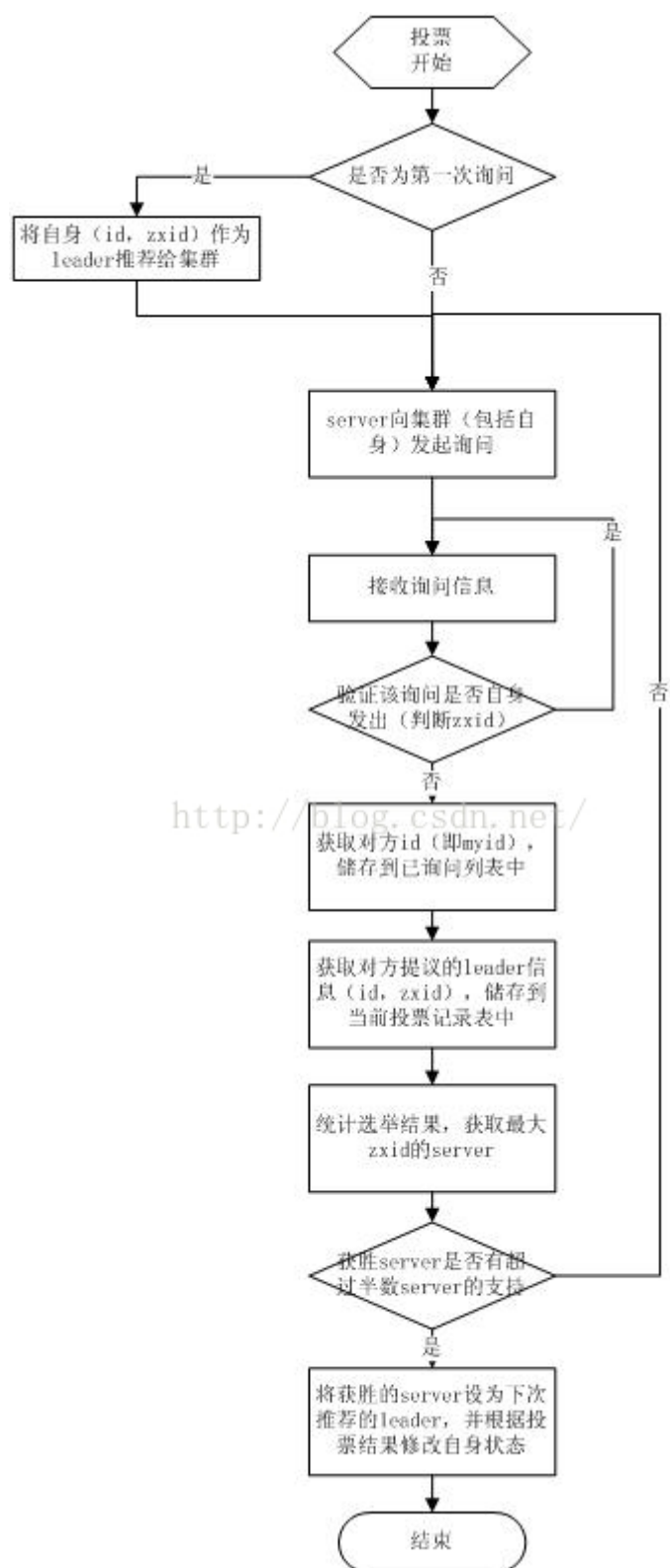
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*Id*

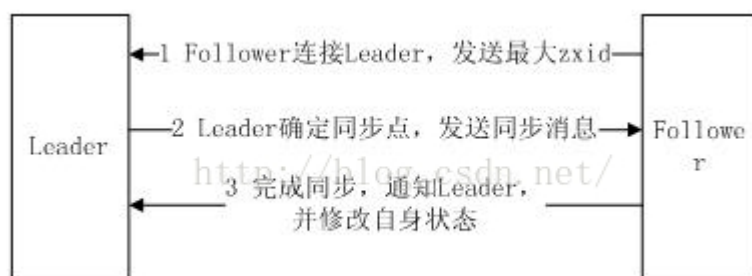
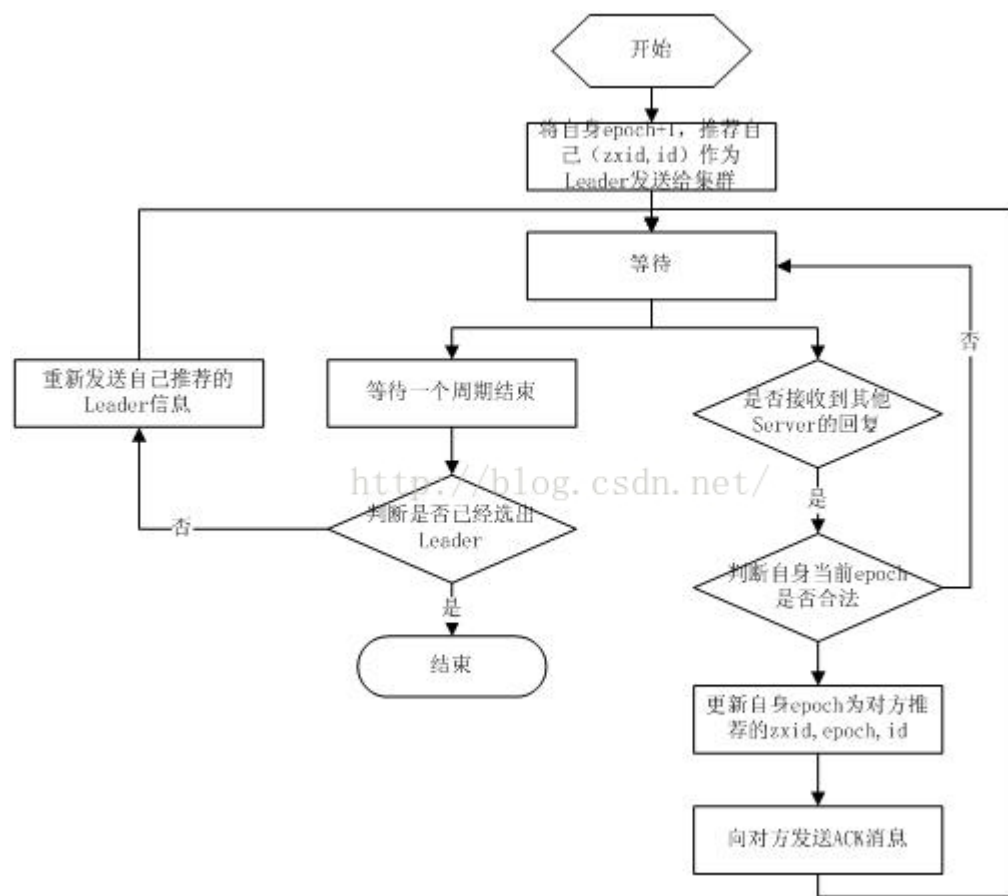
*leader*

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*fast paxos*







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*watcher*

*zk*

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*ordering guarantee*

*znode*

*getData exists getChildren  
create delete setData*

*setData()*

*create()  
delete()*

*watch*

*Callback*