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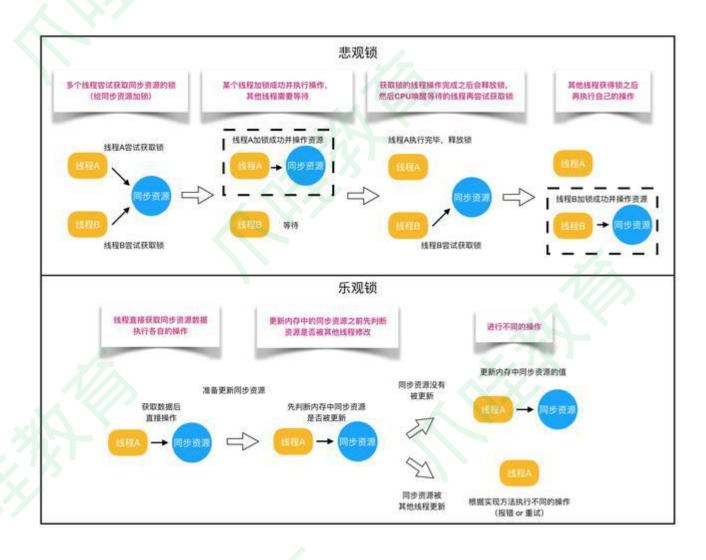


	行锁	表锁	页锁
MyISAM		<b>√</b>	
BDB		<b>√</b>	<b>√</b>
InnoDB	<b>√</b>	<b>√</b>	







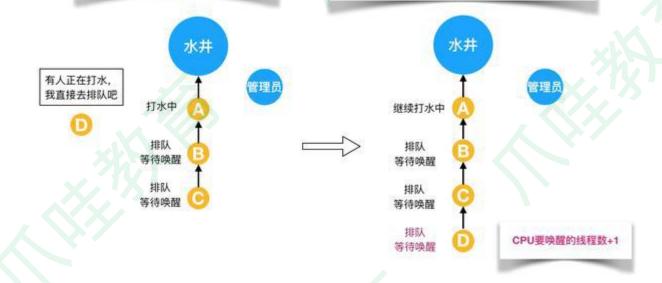






公平锁中, 线程会直接进入等待队列。

等待队列中除第一个线程以外的所有线程都会阻塞, 都需要CPU去唤醒。线程D进入队列并阻塞, 导致CPU开销增加(需要唤醒D)。



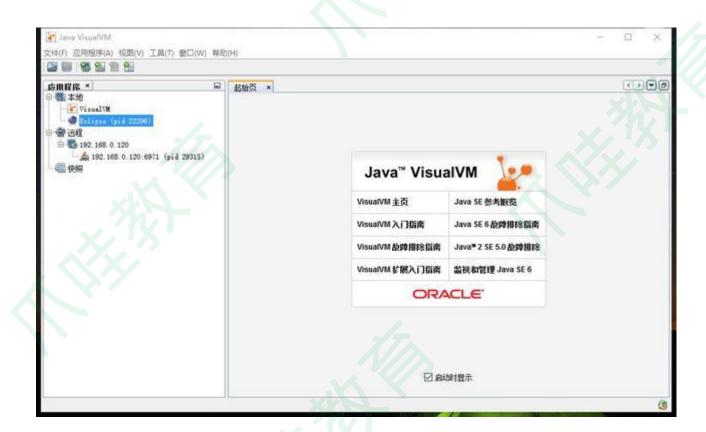




高层类	Lock 同步器 阻塞队列 Executor 并发容器
基础类	AQS 非阻塞数据结构 原子变量类
	volatile变量的读/写 CAS





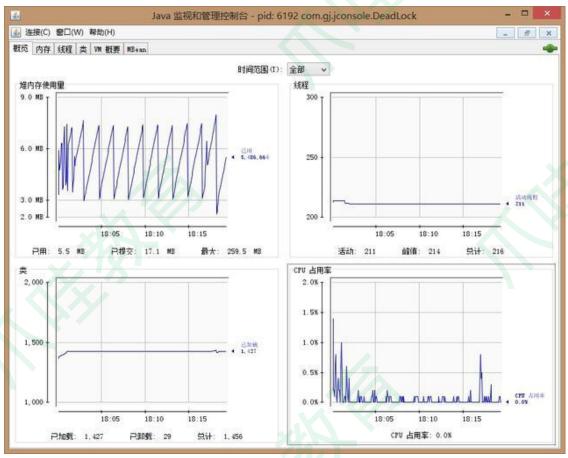






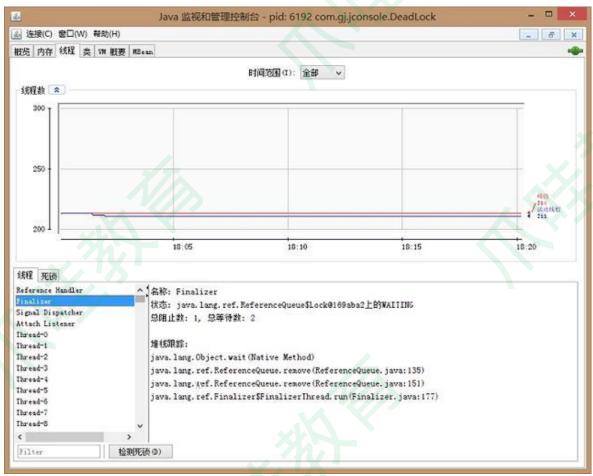




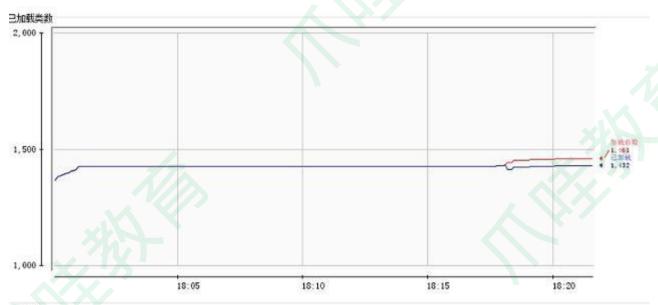












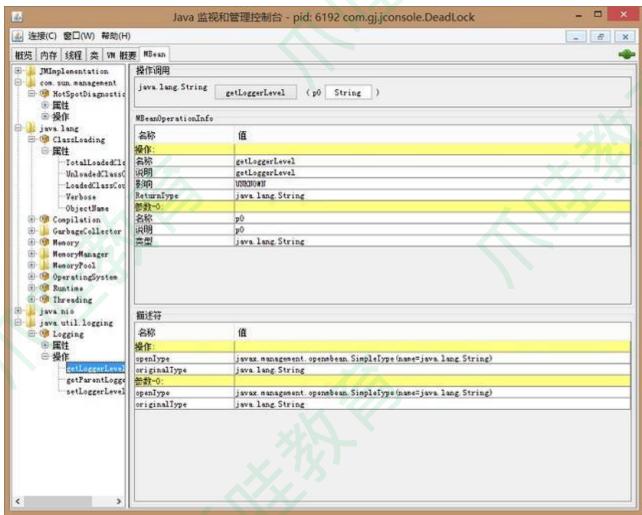
## 羊细资料

时间: 2014-03-30 18:21:34 已加装当前类: 1, 432 已加载类总数: 1, 461 已卸载类总数: 29



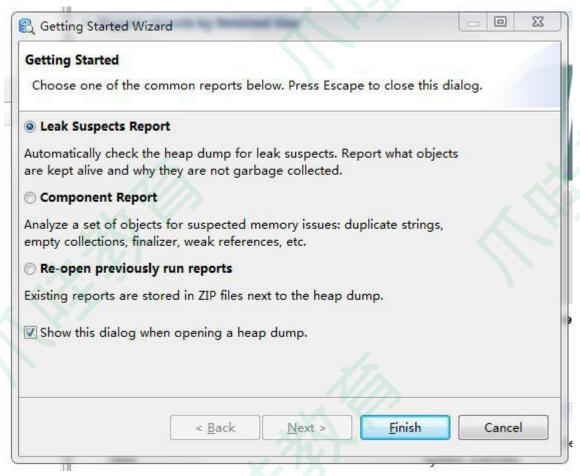




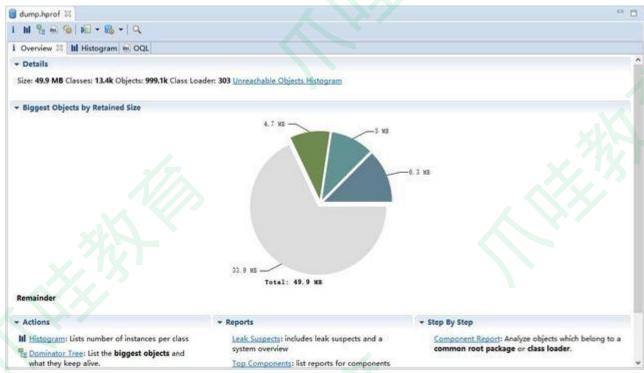


D:\>jmap -dump:live,format=b,file=E:/jmap/map.bin 1464
Dumping heap to E:\jmap\map.bin ...
Heap dump file created
D:\>\_









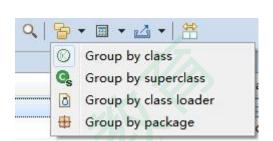
Class Name	Objects	Shallow Heap	Retained Heap
⇒ <regex></regex>	<numeric></numeric>	<numeric></numeric>	<numeric></numeric>
G char[]	219,698	21,413,424	>= 21,413,424
<b>⊙</b> byte[]	16,400	15,580,120	>= 15,580,120
iava.lang.String	222,685	5,344,440	>= 23,295,888
org.objectweb.asm.Item	91,673	4,400,304	>= 8,159,792
org.objectweb.asm.Label	74,046	4,146,576	>= 8,682,248
org.objectweb.asm.Edge	146,529	3,516,696	>= 3,516,696
iava.lang.reflect.Method	28,010	2,240,800	>= 2,938,472
org.objectweb.asm.Method	11,664	2,239,488	>= 15,266,184
iava.util.HashMap\$Entry[]	22,248	2,207,912	>= 29,975,144
<b>⊙</b> java.lang.Object[]	38,582	1,790,064	>= 9,605,920
G int[]	27,222	1,666,752	>= 1,666,752
iava.util.LinkedHashMap\$Ent	51,862	1,659,584	>= 5,654,480
iava.util.HashMap\$Entry	53,719	1000	

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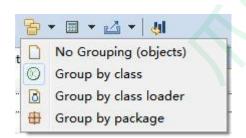




i Overview III Histogram 🛭				
Class Name	Objects	Shallow Heap		
;⇒ <regex></regex>	<numeric></numeric>	<numeric></numeric>		
😉 char[]	+394,314	+24,512.46 KB		
iava.util.HashMap\$Entry	+432,590	+13,518.44 KB		
com.mysql.jdbc.ConnectionPropertiesImpl\$Bo	+178,080	+11,130.00 KB		
iava.lang.String	+366,765	+8,596.05 KB		
iava.util.Hashtable\$Entry	+263,348	+8,229.62 KB		
om.mysql.jdbc.ConnectionPropertiesImpl\$Str	+58,830	+3,676.88 KB		
com.mysql.jdbc.ConnectionPropertiesImpl\$Int	+44,520	+3,130.31 KB		
iava.lang.Integer	+199,512	+3,117.38 KB		
java.util.HashMap\$Entry[]	+11,430	+2,971.09 KB		
iava.util.Hashtable\$Entry[]	+5,113	+2,637.67 KB		
int[]	+20,054	+2,468.73 KB		
com.caucho.server.dispatch.Invocation	+25,193	+2,361.84 KB		
com.mysql.jdbc.JDBC4Connection	+1,590	+1,751.48 KB		
net.sf.cglib.asm.Edge	+46,380	+1,087.03 KB		
net.sf.cglib.asm.Item	+19,714	+1,078.11 KB		
java.lang.reflect.Method	+13,092	+1,022.81 KB		
om.caucho.server.webapp.WebAppFilterChain	+25,193	+984.10 KB		
🧿 java.util.HashMap	+19,801	+928.17 KE		
com.caucho.server.http.InvocationKey	+25,193	+787.28 KB		
org.apache.velocity.runtime.parser.Token	+16,355	+766.64 KB		



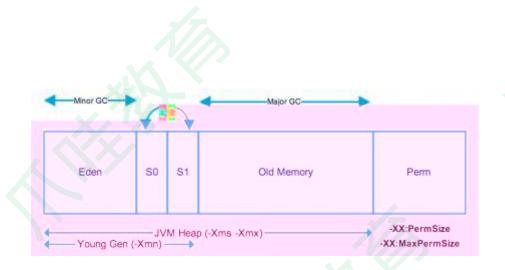
i Overview III Histogram 🖳 dominator_tree 🖾			
Class Name	Shallow Heap	Retained Heap	Percentag
< Regex>	<numeric></numeric>	<numeric></numeric>	<numeric< td=""></numeric<>
om.caucho.loader.EnvironmentClassLoader @ 0x713d133e8	0.23 KB	50,805.77 KB	17.70
com.caucho.server.cluster.ServletService @ 0x71082cea0	0.16 KB	24,620.37 KB	8.58
com.caucho.network.listen.TcpPort @ 0x71076cbf8	0.23 KB	12,314.47 KB	4.29
□ Isf.dao.simplejdbc.builder.impl.VelocitySqlBuilder @ 0x71baf6d20	0.04 KB	9,611.70 KB	3,35
org.springframework.beans.factory.support.DefaultListableBeanFactory @ 0x7:	0.19 KB	8,991.92 KB	3.13
org.springframework.beans.factory.support.DefaultListableBeanFactory @ 0x7:	0.19 KB	7,088.35 KB	2.47
com.caucho.db.block.BlockManager @ 0x710978830	0.05 KB	6,832.12 KB	2.38
om.caucho.loader.SystemClassLoader @ 0x7103d4970	0.25 KB	6,017.91 KB	2.10
org.springframework.web.servlet.view.velocity.VelocityViewResolver @ 0x71f4c	0.09 KB	3,735.16 KB	1.30
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHan	0.07 KB	3,692.53 KB	1.29
class com.jiutone.psi.basic.biz.BasicService\$\$EnhancerByCGLIB\$\$af3f5018 @ 0>	2.59 KB	3,510.84 KB	1.22
com.caucho.util.LruCache @ 0x720a468e0	0.09 KB	3,377.44 KB	1.18
org.apache.velocity.runtime.RuntimeInstance @ 0x71f5c4e48	0.07 KB	3,328.59 KB	1.16
class com.jiutone.psi.financial.biz.FinancialService\$\$EnhancerByCGLIB\$\$bc9714	1.49 KB	2,296.29 KB	0.80
class com.jiutone.psi.security.biz.SecurityService\$\$EnhancerByCGLIB\$\$8019b48	1.52 KB	2,037.08 KB	0.71
org.apache.velocity.runtime.RuntimeInstance @ 0x72f7eb470	0.07 KB	1,986.25 KB	0.69
com.caucho.server.distcache.CacheStoreManager @ 0x710861070	0.06 KB	1,935.03 KB	0.67
Isfx.ajax.json.JacksonConversionServiceObjecctMapper @ 0x71e221dd0	0.05 KB	1,694.97 KB	0.59
org.springframework.transaction.annotation.AnnotationTransactionAttributeSor	0.03 KB	1,612.84 KB	0.56
class com.jiutone.psi.sales.biz.SalesService\$\$EnhancerByCGLIB\$\$1e81a4c4 @ 0	1.02 KB	1,604.65 KB	0.56
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHan	0.11 KB	1,515.33 KB	0.53
class com, jiutone, psi.inventory.biz.InventoryService\$\$EnhancerByCGLIB\$\$362f9	0.92 KB	1,419.60 KB	0.49





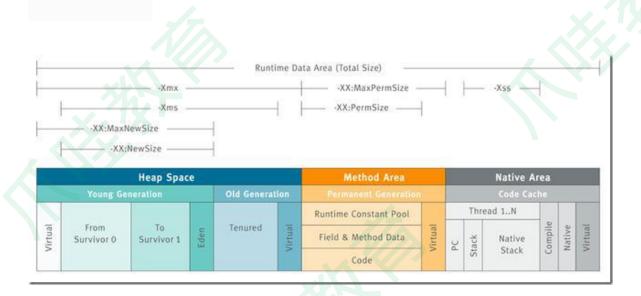












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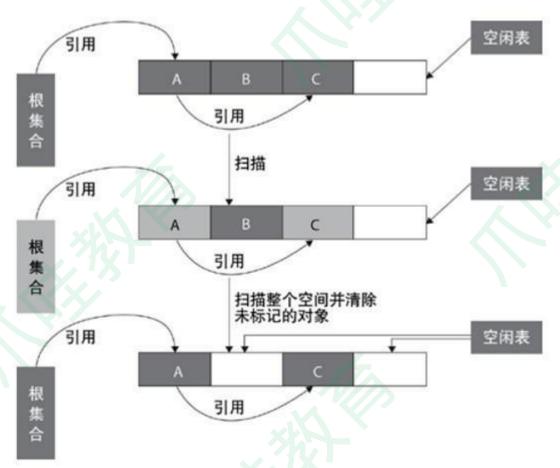
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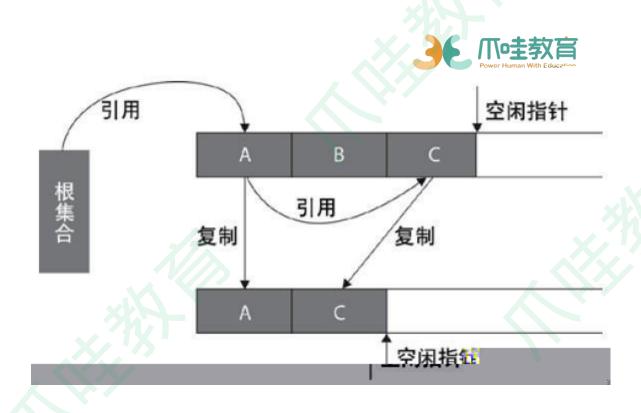
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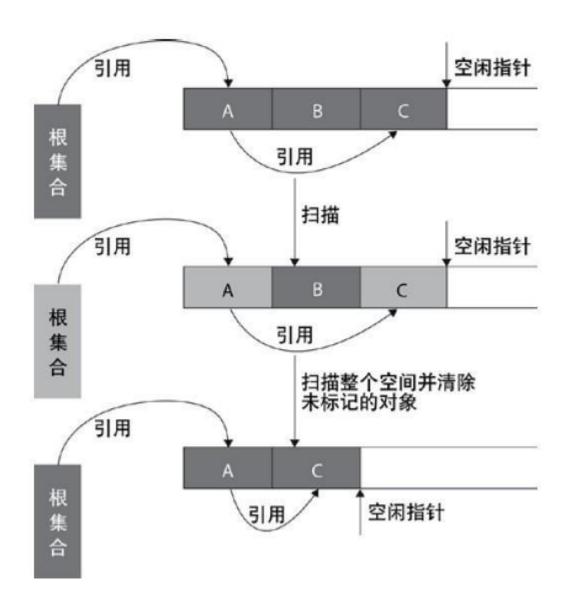




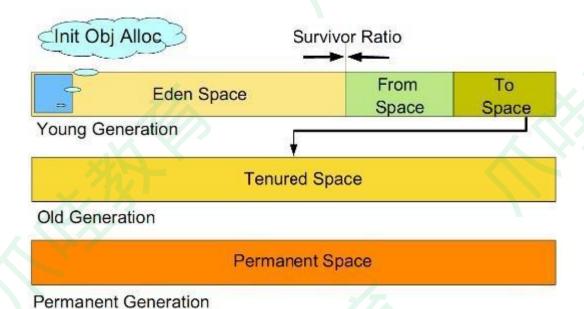


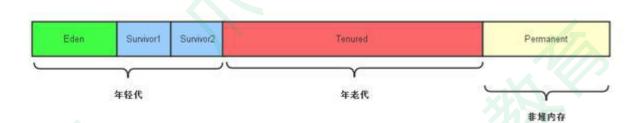








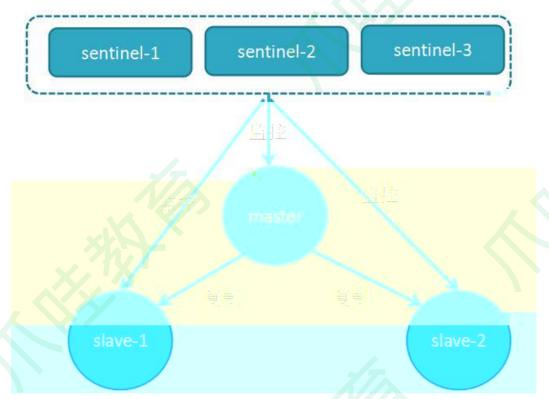














## (1)从Redis服务器启动 从Redis 主Redis - 发送SYNC命令 (2)主Redis服务器接收到SYNC命令后 主Redis (缓存所有写 fork子进程 生成RDB快照 入操作命令) 写入操作命令 客户端 (3) RDB持久化完成后 从Redis 主Redis 发送RDB文件和缓存起来的命令 (4)复制初始化完成后 主Redis 从Redis 同步写入操作命令 写入操作命令 客户端



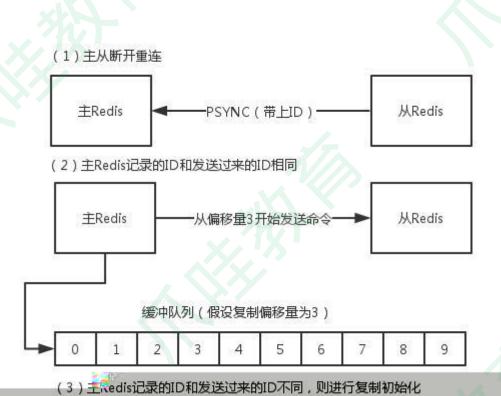








Figure 6.3. I/O multiplexing model.

