[**吓一跳的结果：fastjson和jackson的简单对比**](https://www.oschina.net/code/snippet_1156226_26432)

**作者测试方法错误，注意看下方的评论区**

[踩顶](javascript:;)1

中午吃完饭无聊，做了个fastjson和jackson的简单对比。fastjson是阿里做的国有开源Java工具包，jackson是spring mvc内置的json转换工具，孰强孰弱呢？结果吓我一跳！后面三张图，分别是1000条数据、5000条和1W条！  
  
注：年轻时写着玩儿的，代码逻辑混乱，有严重bug。大家图个乐好了。

**标签：** [fastjson](https://www.oschina.net/code/tag/fastjson) [Jackson](https://www.oschina.net/code/tag/jackson)

**代码片段(6)**[[全屏查看所有代码]](http://www.oschina.net/code/piece_full?code=26432)

1. [代码]**主测试程序**

[?](http://www.oschina.net/code/snippet_1156226_26432/?p=2)

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| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77 | public class JsonParseTest {        public static void main(String[] args) throws JsonProcessingException {          Monitoring.begin();          List<Corp> list = Lists.newArrayList();          for (int i = 0; i < 1000; i++) {              list.add(fullObject(Corp.class));          }          Monitoring.end("生成数据");            Monitoring.begin();          jackson(list);          Monitoring.end("Jackson");            Monitoring.begin();          fastjson(list);          Monitoring.end("fastjson");        }        public static void fastjson(List<Corp> list) {          for (Corp corp : list) {              String string = JSON.toJSONString(corp);          }      }        public static void jackson(List<Corp> list) throws JsonProcessingException {          for (Corp corp : list) {              String string = new ObjectMapper().writeValueAsString(corp);          }      }        /\*\*       \* 填充一个对象（一般用于测试）       \*/      public static <T> T fullObject(Class<T> cl) {          T t = null;          try {              t = cl.newInstance();              Method methods[] = cl.getMethods();              for (Method method : methods) {                  // 如果是set方法,进行随机数据的填充                  if (method.getName().indexOf("set") == 0) {                      Class param = method.getParameterTypes()[0];                      if (param.equals(String.class)) {                          method.invoke(t, randomCodes(5));                      } else if (param.equals(Short.class)) {                          method.invoke(t, (short) new Random().nextInt(5));                      } else if (param.equals(Float.class)) {                          method.invoke(t, new Random().nextFloat());                      } else if (param.equals(Double.class)) {                          method.invoke(t, new Random().nextDouble());                      } else if (param.equals(Integer.class)) {                          method.invoke(t, new Random().nextInt(10));                      } else if (param.equals(Long.class)) {                          method.invoke(t, new Random().nextLong());                      } else if (param.equals(Date.class)) {                          method.invoke(t, new Date());                      } else if (param.equals(Timestamp.class)) {                          method.invoke(t, new Timestamp(System.currentTimeMillis()));                      } else if (param.equals(java.sql.Date.class)) {                          method.invoke(t, new java.sql.Date(System.currentTimeMillis()));                      }                  }              }          } catch (InstantiationException e) {              e.printStackTrace();          } catch (IllegalAccessException e) {              e.printStackTrace();          } catch (IllegalArgumentException e) {              e.printStackTrace();          } catch (InvocationTargetException e) {              e.printStackTrace();          }          return t;      }  } |

2. [代码]**Corp类**

[?](http://www.oschina.net/code/snippet_1156226_26432/?p=2)

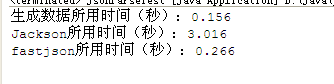
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| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55 | public class Corp {      private Long uid;      private Integer corpGrade;      private Integer cityId;      private String name;      private String EName;      private String description;      private String zipCode;      private String tel;      private String fax;      private String EMail;      private Integer isEmailOpen;      private Integer EMailChecked;      private Timestamp regDateOnGov;      private String backroll;      private String address;      private String webStoreUrl;      private Integer isNew;      private Integer credit;      private Integer activeDegrees;      private Integer hits;      private Integer isHitsRecord;      private Timestamp regTimeOnZfa;      private Integer corpType;      private Integer corpMajorcategoryId;      private Integer businessRoleId;      private String keyword;      private Integer developState;      private String isAlert;      private Integer advMemState;      private Integer advStockState;      private Integer allianceState;      private Timestamp lastUpdateTime;      private Integer corpMajorcategoryId1;      private String keyword1;      private Long certificatePic;      private Integer isUpdateCharter;      private Integer currcount;      private Integer curronsale;      private Integer curronhot;      private Integer currniccount;      private Integer currniconsale;      private Integer currniconhot;      private String buyProducts;      private Integer isOpenShop;      private Integer state;      private String mainProduct;      private String advBrandIds;      private String feature;      private Integer category;      private Integer contactFlag;      private String fastPassage;        //省略getter、setter方法  } |

3. [代码]**小的监控管理类**

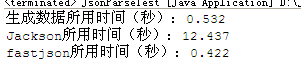
[?](http://www.oschina.net/code/snippet_1156226_26432/?p=2)

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| 1  2  3  4  5  6  7  8  9  10  11  12 | public class Monitoring {      private static ThreadLocal<Long> begin = new ThreadLocal<Long>();        public static void begin() {          begin.set(System.currentTimeMillis());      }        public static void end(String name) {          double time = (System.currentTimeMillis() - begin.get()) / 1000.0;          System.out.println(name + "所用时间（秒）：" + time);      }  } |

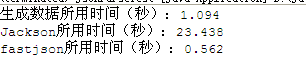
4. [图片]**1000.png**



5. [图片]**5000.png**



6. [图片]**10000.png**



[举报](javascript:report('https://www.oschina.net/code/snippet_1156226_26432',26432,5))

**开源中国-程序员在线工具：**[**Git代码托管**](http://git.oschina.net/)[**API文档大全(120+)**](http://tool.oschina.net/apidocs)[**JS在线编辑演示**](http://runjs.cn/)[**二维码**](http://tool.oschina.net/qr)[**更多»**](http://tool.oschina.net/)

**相关的代码(24)**

* 12回/30635阅[Java] [fastjson 基本使用方法](https://www.oschina.net/code/snippet_12_3495" \o "fastjson 基本使用方法" \t "_blank) 6年前 By 红薯
* 39回/24057阅[Java] [从京东商城获取价格，如京东商城价格低于此数值时，将发送邮件到您的邮箱](https://www.oschina.net/code/snippet_160697_34201" \o "从京东商城获取价格，如京东商城价格低于此数值时，将发送邮件到您的邮箱" \t "_blank) 3年前 By 杰仪
* 23回/19928阅[Java] [FastJson--阿里巴巴公司开源的速度最快的Json和对象转换工具](https://www.oschina.net/code/snippet_228315_35122" \o "FastJson--阿里巴巴公司开源的速度最快的Json和对象转换工具" \t "_blank) 3年前 By 小码哥哥
* 12回/11147阅[Java] [用 Jackson 来处理 JSON](https://www.oschina.net/code/snippet_12_3658" \o "用 Jackson 来处理 JSON" \t "_blank) 6年前 By 红薯
* 5回/8424阅[Java] [用fastjson为Ztree生成多级树形菜单JSON数据源](https://www.oschina.net/code/snippet_112825_5031" \o "用fastjson为Ztree生成多级树形菜单JSON数据源" \t "_blank) 6年前 By 长安俞白眉
* 0回/4446阅[Java] [使用JSON将Java对象序列化及反序列化](https://www.oschina.net/code/snippet_116768_7591" \o "使用JSON将Java对象序列化及反序列化" \t "_blank) 5年前 By canghailan
* 12回/4351阅[Java] [一个快速开发Java服务器框架](https://www.oschina.net/code/snippet_119610_26938" \o "一个快速开发Java服务器框架" \t "_blank) 3年前 By SandKing
* 2回/4182阅[Java] [fastjson 实现自定义序列化](https://www.oschina.net/code/snippet_12_3494" \o "fastjson 实现自定义序列化" \t "_blank) 6年前 By 红薯
* 8回/2995阅[Java] [采集京东的全国行政区划数据](https://www.oschina.net/code/snippet_1048683_33986" \o "采集京东的全国行政区划数据" \t "_blank) 3年前 By Abcde123
* 16回/2918阅[Java] [@开源中国首席不得姐 源代码【java版本】](https://www.oschina.net/code/snippet_1037462_39335" \o "@开源中国首席不得姐 源代码【java版本】" \t "_blank) 2年前 By 开源oschina

[显示所有 »](http://www.oschina.net/code/list_releted_codes?id=26432)

**[发表评论](http://www.oschina.net/code/snippet_1156226_26432/?p=2" \l "commentform) [回到顶部](http://www.oschina.net/code/snippet_1156226_26432/?p=2)****网友评论(47)**

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| [https://static.oschina.net/uploads/user/586/1173879_50.jpg?t=1372392717000](https://my.oschina.net/alex85) | 21楼：**Alex\_Lee\_85** 发表于 2014-12-09 13:38 [回复此评论](javascript:ReplyInline(1173879,6739393))  把ObjectMapper放到外面以后  1000：  生成数据所用时间（秒）：0.273  Jackson所用时间（秒）：0.207  fastjson所用时间（秒）：0.541   5000：  生成数据所用时间（秒）：0.732  Jackson所用时间（秒）：0.306  fastjson所用时间（秒）：0.69   10000：  生成数据所用时间（秒）：1.24  Jackson所用时间（秒）：0.327  fastjson所用时间（秒）：0.872   100000：  生成数据所用时间（秒）：8.696  Jackson所用时间（秒）：0.927  fastjson所用时间（秒）：3.654   呵呵  **Fast**Json |

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| [https://static.oschina.net/uploads/user/519/1039752_50.jpg?t=1370651413000](https://my.oschina.net/u/1039752) | 22楼：**dcx013** 发表于 2014-12-10 16:01 [回复此评论](javascript:ReplyInline(1039752,6758384))  http://www.oschina.net/js/ke/plugins/emoticons/images/26.gif |

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| [https://static.oschina.net/uploads/user/21/43456_50.jpg?t=1383494667000](https://my.oschina.net/zuiwoxing) | 23楼：**愚者00** 发表于 2014-12-11 09:02 [回复此评论](javascript:ReplyInline(43456,6770642))  将ObjectMapper 采用对象池的模式。这样安全又高效，我测试1000000 数据。Jackson>FastJson>Gson   还有就是如果都加上时间格式化的话。性能都会下降许多。Jackson 与 FastJson 都是用的SimpleDateFormat 每次new一个效率很低。Jackson里我使用的克隆+applyPattern 这样能稍微提高一些. |

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| [https://static.oschina.net/uploads/user/21/43456_50.jpg?t=1383494667000](https://my.oschina.net/zuiwoxing) | 24楼：**愚者00** 发表于 2014-12-11 11:01 [回复此评论](javascript:ReplyInline(43456,6772070))  http://my.oschina.net/zuiwoxing/blog/354860 |

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| [https://static.oschina.net/uploads/user/1129/2259577_50.jpg?t=1457531076000](https://my.oschina.net/Megatron) | 25楼：**Megatron仲** 发表于 2014-12-11 18:52 [回复此评论](javascript:ReplyInline(2259577,6777721))  乱来，你把 Jackson单例化试试？ 绝对比Fastjson快 |

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| [https://static.oschina.net/uploads/user/1129/2259577_50.jpg?t=1457531076000](https://my.oschina.net/Megatron) | 26楼：**Megatron仲** 发表于 2014-12-11 18:52 [回复此评论](javascript:ReplyInline(2259577,6777723))  乱来，你把 Jackson单例化试试？ 绝对比Fastjson快 |

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| [http://www.oschina.net/img/portrait.gif?t=1451961935000](https://my.oschina.net/u/928760) | 27楼：**小石头不硬** 发表于 2015-01-28 21:02 [回复此评论](javascript:ReplyInline(928760,7608716))  其实都没有gson快 |

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| [https://static.oschina.net/uploads/user/118/236025_50.jpg?t=1413855540000](https://my.oschina.net/u/236025) | 28楼：**光头卫士** 发表于 2015-04-15 10:23 [回复此评论](javascript:ReplyInline(236025,8931610))  赶紧删了吧。用例都没写好，你这明显拉偏架的节奏啊！误导别人 |

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| [https://static.oschina.net/uploads/user/622/1244775_50.jpg?t=1418870843000](https://my.oschina.net/u/1244775) | 29楼：**龙鸣** 发表于 2015-06-11 08:16 [回复此评论](javascript:ReplyInline(1244775,9915046))  楼主要粉转黑了 |

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| [https://static.oschina.net/uploads/user/890/1780356_50.png?t=1460339907000](https://my.oschina.net/moluqianli) | 30楼：**陌路千里** 发表于 2015-07-20 21:49 [回复此评论](javascript:ReplyInline(1780356,10598722))  Jackson每次都new个对象，当然慢，定义static的ObjectMapper作为入参，你就能发现Jackson更快了 |

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| [https://static.oschina.net/uploads/user/409/819147_50.png?t=1392433562000](https://my.oschina.net/u/819147) | 31楼：**Elijah** 发表于 2015-07-21 11:37 [回复此评论](javascript:ReplyInline(819147,10608666))  这样 采用单个测试 fastjson 的确快多了。 JSON.toJSONString(corp); mapper.writeValueAsString(corp);  但是 采用批量的方式 则 jackson 快（这有个前提示数量要大，上万左右才会快）。 大家可以测试一下 。 JSONArray.toJSONString(list); mapper.writeValueAsString(list); |

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| [https://static.oschina.net/uploads/user/722/1444127_50.jpg?t=1394960774000](https://my.oschina.net/u/1444127) | 32楼：**马天宇** 发表于 2015-11-19 14:34 [回复此评论](javascript:ReplyInline(1444127,12701670))  很明显代码有问题，严重不公平，请重新测一下吧，不要误导了开发者。  楼上说的很对：  你给jackson每次循环都new一个对象！而fastjson用的是一个对象！你没有考虑new对象的时间吧？？你把new 放在循环外面试试！看是jackson快还是fastjson快！ 你这样不好滴！误导广大的工程师朋友啊！ |

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| [https://static.oschina.net/uploads/user/48/97328_50.jpg?t=1371532324000](https://my.oschina.net/jingege) | 33楼：**晋哥哥** 发表于 2016-03-30 10:52 [回复此评论](javascript:ReplyInline(97328,14979964))  每个库都有他适应的场景，不能几个用例就一锤定音，关键还是看社区是否活跃，BUG有多少，是否成熟完备，所以，个人选择jackson。 |

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| [http://www.oschina.net/img/portrait.gif?t=1451961935000](https://my.oschina.net/u/2309041) | 34楼：**叱咤** 发表于 2016-04-09 11:37 [回复此评论](javascript:ReplyInline(2309041,15153304))  ObjectMapper 怎么可能每次都创建一个！ |

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| [https://static.oschina.net/uploads/user/103/206809_50.jpg?t=1435503711000](https://my.oschina.net/u/206809) | 35楼：**陆埜** 发表于 2016-04-19 11:03 [回复此评论](javascript:ReplyInline(206809,15325694))  逗逼。。 |

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| [https://static.oschina.net/uploads/user/125/251453_50.jpg?t=1390529778000](https://my.oschina.net/u/251453) | 36楼：**S.Lance** 发表于 2016-05-04 09:42 [回复此评论](javascript:ReplyInline(251453,15583919))  要不然为啥Spring框架里原生支持Jackson呢？要知道Spring的创始人是很严谨的 |

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| [http://www.oschina.net/img/portrait.gif?t=1451961935000](https://my.oschina.net/u/1380916) | 37楼：**anyx** 发表于 2016-07-08 12:26 [回复此评论](javascript:ReplyInline(1380916,16709085))  @[李在中](http://my.oschina.net/lizaizhong) 这么多年这个帖子还存在，不知道有多少人拿这个帖子里jackson不如fastjson来说事，典型的不严谨，误导。 真是丢人。。。 |

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| [https://static.oschina.net/uploads/user/1313/2626178_50.jpeg?t=1475846885000](https://my.oschina.net/554330833a) | 38楼：**554330833a** 发表于 2016-07-10 21:38 [回复此评论](javascript:ReplyInline(2626178,16750268))  引用来自“anyx”的评论  @[李在中](http://my.oschina.net/lizaizhong) 这么多年这个帖子还存在，不知道有多少人拿这个帖子里jackson不如fastjson来说事，典型的不严谨，误导。 真是丢人。。。  和gson比较怎么样？gson如何？有人用吗还是这个已经没人用了没落了 |

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| [https://static.oschina.net/uploads/user/1220/2440470_50.jpg?t=1440125172000](https://my.oschina.net/zhazhanan) | 39楼：**渣渣男大白** 发表于 2016-07-15 11:58 [回复此评论](javascript:ReplyInline(2440470,16829716))  我曹，这个测试得坑 多少人啊 |

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| [http://www.oschina.net/img/portrait.gif?t=1451961935000](https://my.oschina.net/u/2345451) | 40楼：**hshe** 发表于 2016-07-21 09:17 [回复此评论](javascript:ReplyInline(2345451,16931464))  误导呀。哈哈 |