# Jira Data Center 集群性能测试

Atlassian 实际测试了应用程序节点数量对性能的影响。

## 性能测试

以 Jira 单服务器版(1个节点)，6个浏览器各种操作的平均响应时间为100%作为基线。

**测试结果说明**

通过测试结果可以看出，随着用户访问量上升，节点分担了运算量。在高负载下，集群整体性能有所提高，用户操作的响应时间也会比单服务器大幅缩短。

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## 测试环境

| 环境 | 说明 |
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| 服务器 | **CPU**: 2 x Intel Xeon E5-2430L, 2.0GHz (6-Core, HT, 15MB Cache, 60W) 32nm<br><br>**内存**: 48GB (6 x 8GB DDR3-1600 ECC Registered 2R DIMMs) Operating at 1600 MT/s Max<br><br>**网卡**: Dual Intel 82574L Gigabit Ethernet Controllers - Integrated<br><br>**控制器**: 8 Ports 3Gb/s SAS, 2 Ports 6Gb/s SATA, and 4 Ports 3Gb/s SATA via Intel C606 Chipset<br><br>PCIe 3.0 x16: Intel X540-T2 10GbE Dual-Port Server Adapter (X540) 10GBASE-T Cat 6A - RJ45<br><br>**硬盘**: 240GB Intel 520 Series MLC (6Gb/s) 2.5" SATA SSD |
| 节点服务器 | 2 核CPU， 9G JVM内存 |
| Jira 数据 | 550个项目，628个自定义字段，450000个问题，10000个用户 |
| 数据库 | Postgresql |
| 浏览器 | Chrome |
| 负载均衡 | Apache |