

ParnassusData is a software company

使用 Oracle OSW Analyzer 工具分析 OSWBB 日志 ,并绘制系统性能走势图

Parnassus
诗檀

工程师 : 汪伟华
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文档控制

变更记录

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6-Feb-15	汪伟华	1.0	Initial

审阅人

版本号	审阅人	职位	相关评论
1.0	刘相兵	技术经理	

审批人

版本号	批准人	日期	相关评论

文档分发

分发号	文档名	分发位置
1		

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1. OSW 检查及图表报告

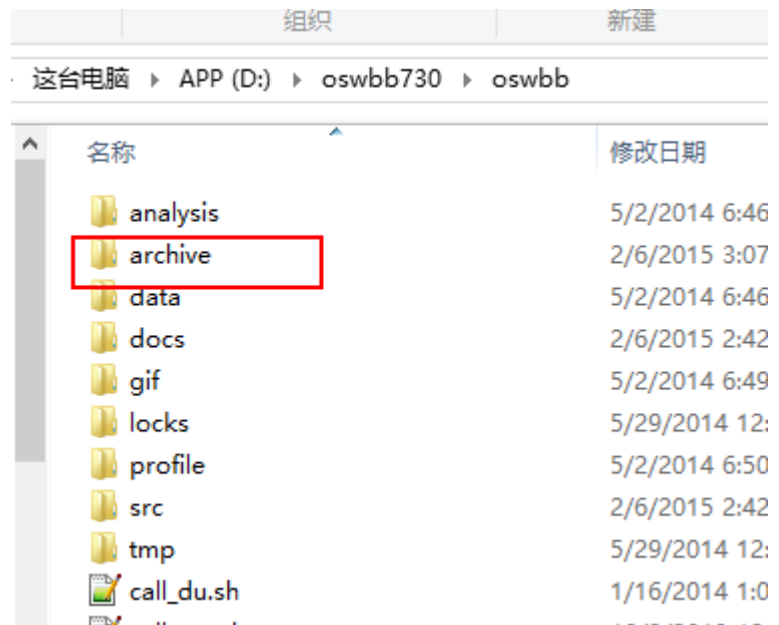
本报告为诗檀软件对客户 Oracle OSW 检查报告。

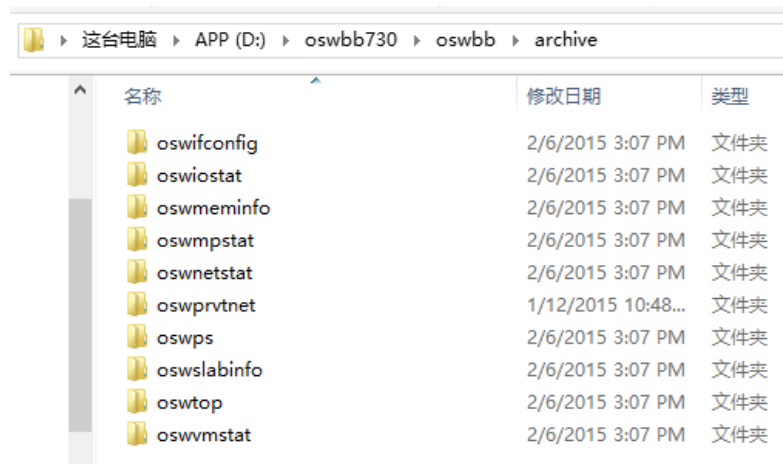
1.1 命令使用

从 metalink 即 support.oracle.com 上下载 OSW analyzer 分析工具和 OSWBB 监控工具，也可以从下面的地址下载：

1. OSWBB <http://pan.baidu.com/s/1o61GcoM>
2. OSW ANALYZER <http://pan.baidu.com/s/1bnCRPsN>

1. 将所得 OSW 日志数据拷贝至 Windows 系统：





2. 执行以下命令分析 OSW 归档

```
D:\>cd oswbb730\oswbb
D:\> java -jar oswbba.jar -i archive\
```

```
D:\oswbb730\oswbb>java -jar oswbba.jar -i archive\
Starting OSW Analyzer U7.3.0
OSWatcher Analyzer Written by Oracle Center of Expertise
Copyright (c) 2014 by Oracle Corporation

Parsing Data. Please Wait...

Scanning file headers for version and platform info...

Parsing file wcsradb2_iostat_15.02.03.2000.dat ...
Parsing file wcsradb2_iostat_15.02.03.2100.dat ...
Parsing file wcsradb2_iostat_15.02.03.2200.dat ...
Parsing file wcsradb2_iostat_15.02.03.2300.dat ...
Parsing file wcsradb2_iostat_15.02.04.0000.dat ...
Parsing file wcsradb2_iostat_15.02.04.0100.dat ...
Parsing file wcsradb2_iostat_15.02.04.0200.dat ...
Parsing file wcsradb2_iostat_15.02.04.0300.dat ...
Parsing file wcsradb2_iostat_15.02.04.0400.dat ...
Parsing file wcsradb2_iostat_15.02.04.0500.dat ...
Parsing file wcsradb2_iostat_15.02.04.0600.dat ...
```

1.2 图形生成

选择 1~5 选项生成图形：

```
Enter 1 to Display CPU Process Queue Graphs
Enter 2 to Display CPU Utilization Graphs
Enter 3 to Display CPU Other Graphs
Enter 4 to Display Memory Graphs
Enter 5 to Display Disk IO Graphs

Enter 6 to Generate All CPU Gif Files
Enter 7 to Generate All Memory Gif Files
Enter 8 to Generate All Disk Gif Files

Enter L to Specify Alternate Location of Gif Directory
Enter T to Alter Graph Time Scale Only (Does not change analysis dataset)
Enter D to Return to Default Graph Time Scale
Enter R to Remove Currently Displayed Graphs

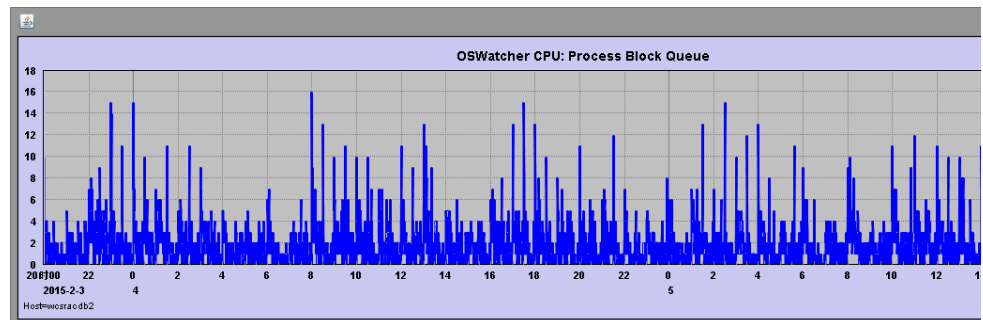
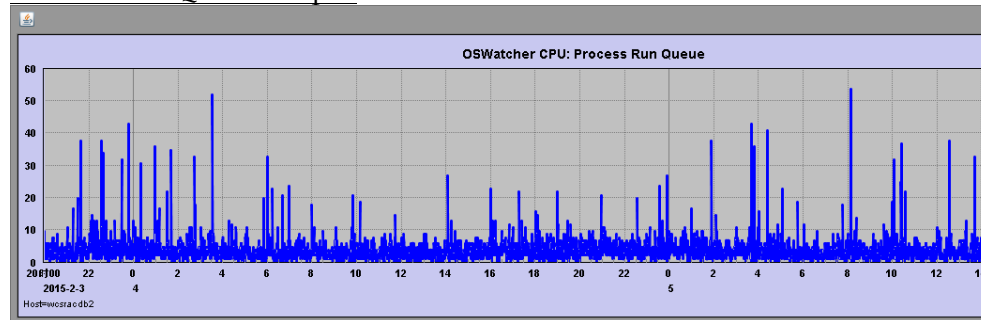
Enter A to Analyze Data
Enter S to Analyze Subset of Data (Changes analysis dataset including graph time
scale)

Enter P to Generate A Profile
Enter X to Export Parsed Data to File
Enter Q to Quit Program

Please Select an Option:
```

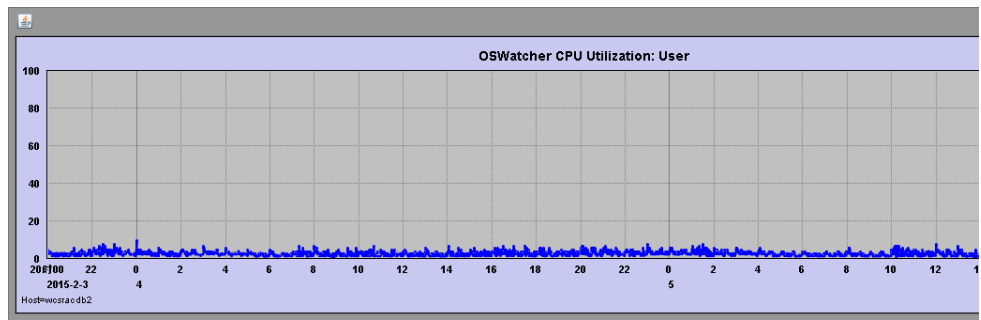
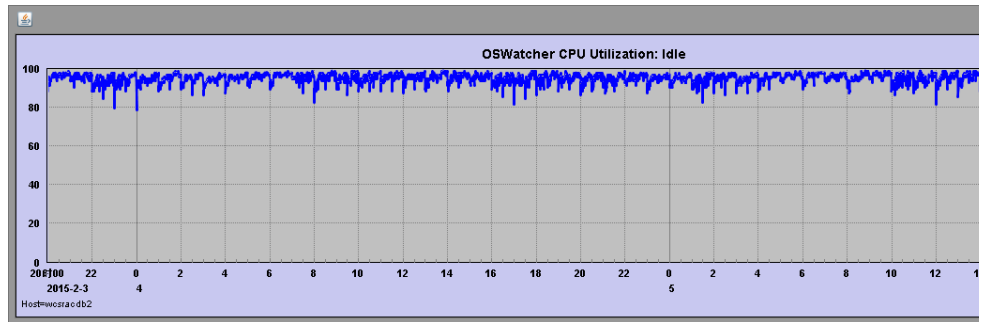
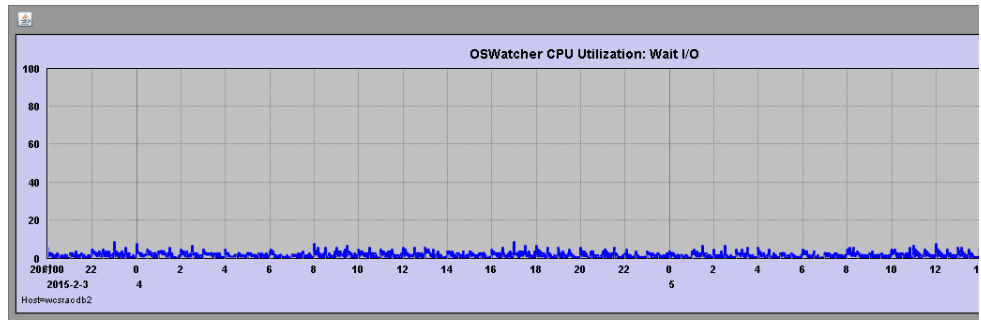
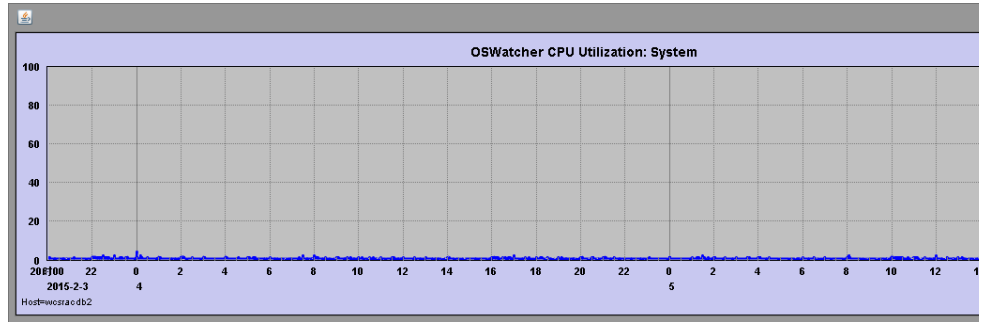
图形数据范围为：3-Feb-2015 20:00 ~5-Feb-2015 20:00

CPU Process Queue Graphs



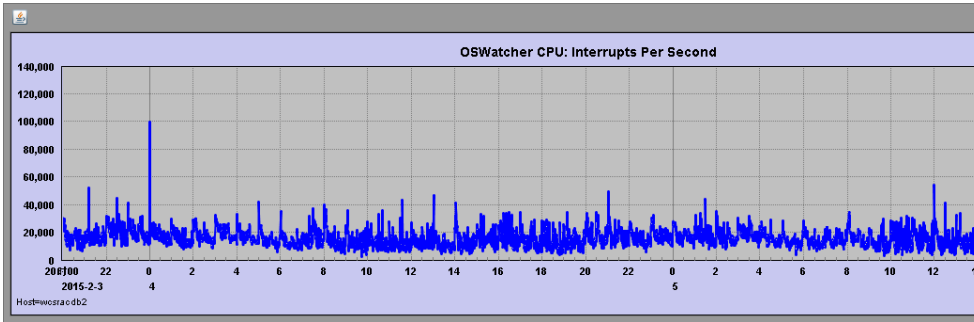
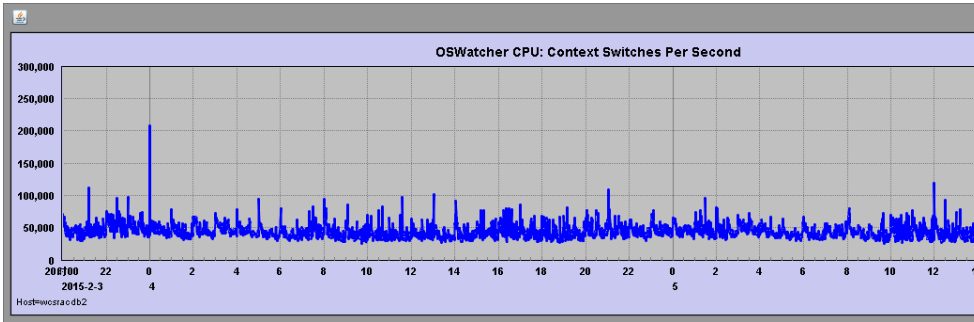
根据图形可知每日约 15~30 个进程，最高时有约 60 个进程。
繁忙拥塞一般在 22~2 点，8 点~10 点，16~18 点。

CPU Utilization Graphs



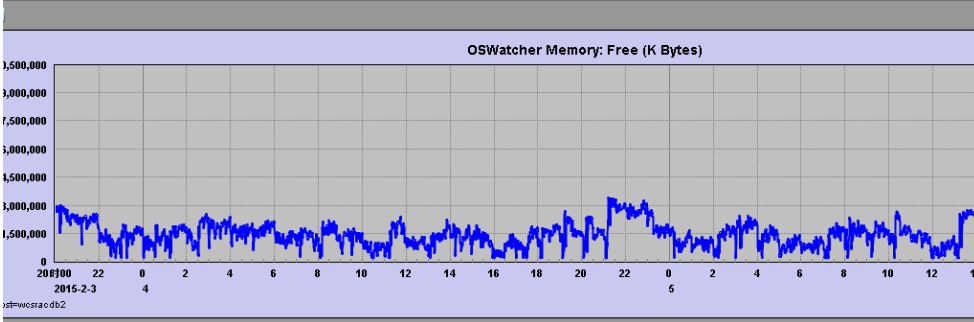
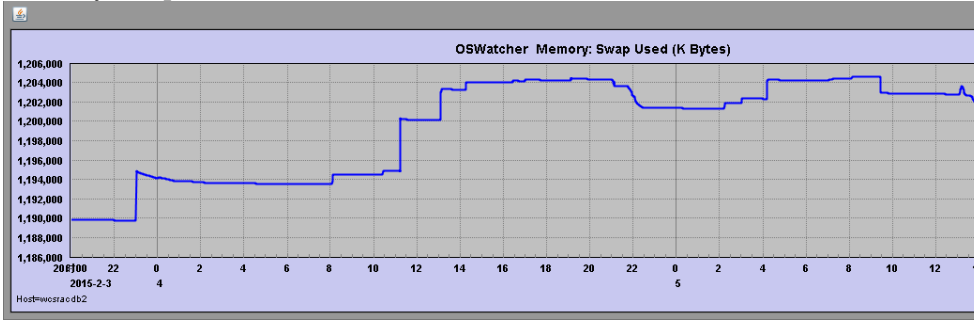
根据图中显示，此节点 CPU 整体利用率不高，CPU 空闲时间较多。

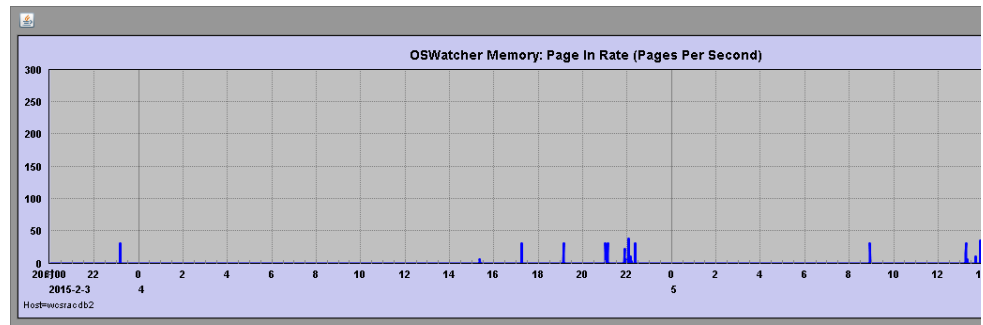
CPU Other Graphs



根据图中显示，CPU 内核运行切换及中断情况。其中出现了几次程序运行及会话相对活跃的情况(如 2 月 3 日凌晨及 2 月 5 日下午 5 点，6 点)，其余时间基本较为平稳。

Memory Graphs





图中显示为内存使用情况：Swap 使用最高为 1.2G 左右，空闲内存平均为 1500MB~2500MB。
其中 2 月 5 日下午 2 点半，出现一瞬时的大量换页(>200)，说明有大量数据被读取到内存。

```
Please Select an Option:5

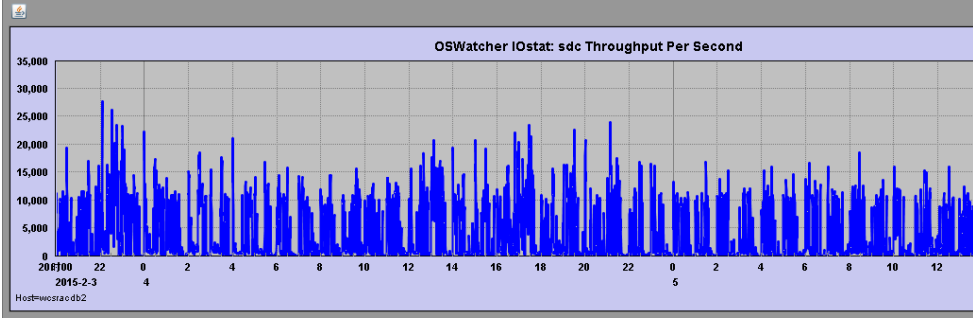
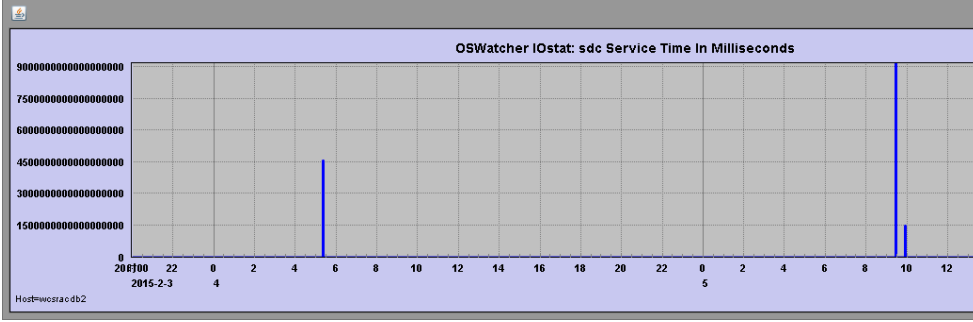
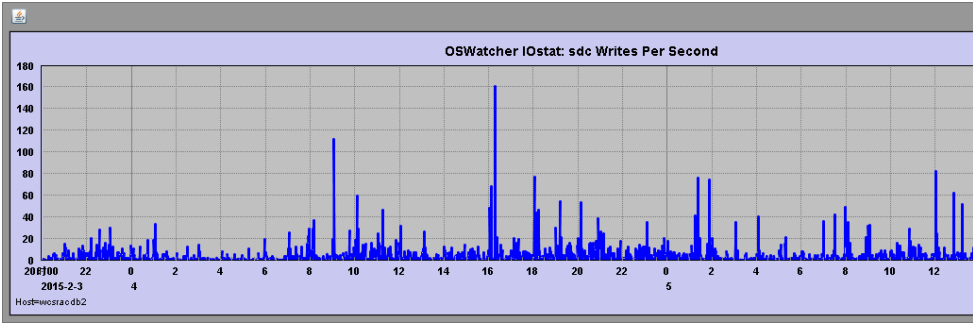
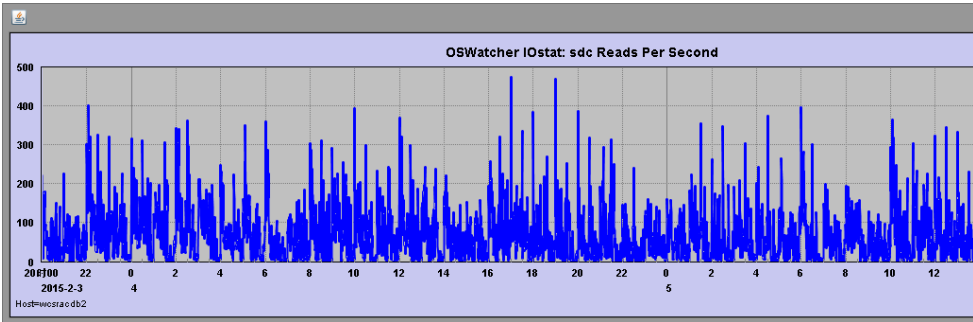
The Following Devices and Average Service Times Are Ready to

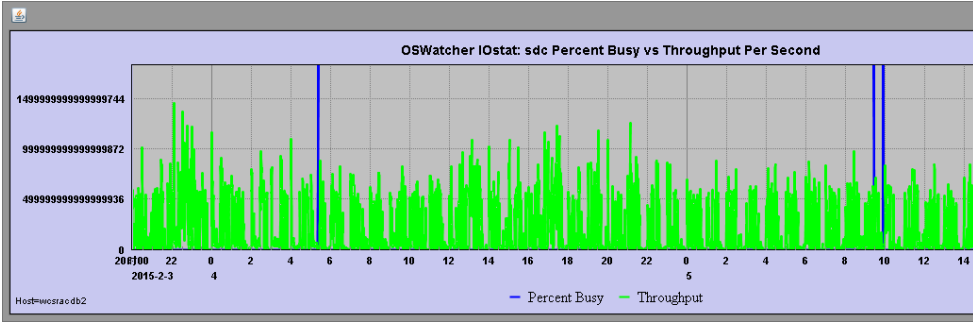
Device Name  Average Service Times in Milliseconds

sdc          3.181570209332452E15
sde          3.027838875688237E15
sdg          2.4934925251712665E15
sdf          2.255651699693392E15
sdj          1.2196019135774402E15
sdi          9.809841478775065E14
sdh          8.635690568188086E14
sdl          6.628271269442611E14
sdd          6.238372959475398E14
sdk          4.545100299046376E14
sdaa        2.08
sdy          2.07
sdad        2.04
sdz          2.0
sdac        1.99
```

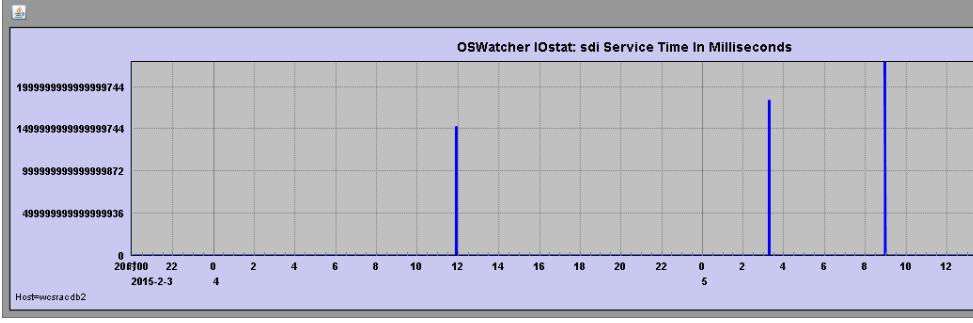
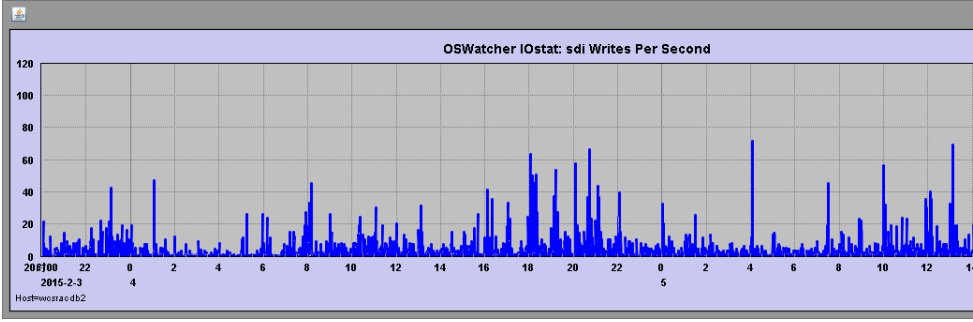
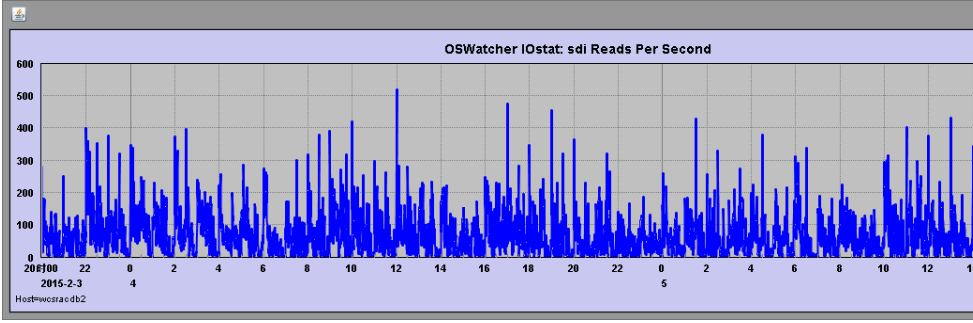
这里，选择了 sdc (平均服务时间约 3 毫秒) 和 sdi (平均服务时间约 9 毫秒) 进行查看。

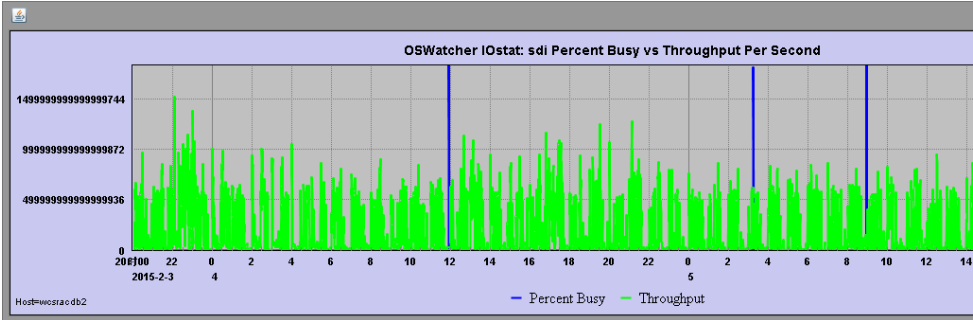
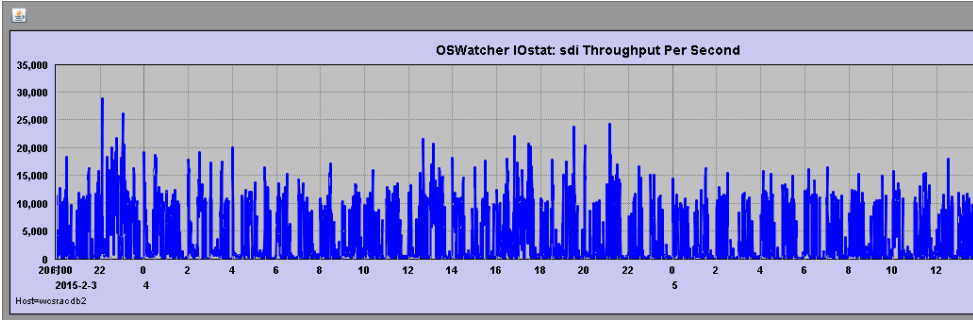
Sdc:





Sdi:





Sdc, Sdi 在此时间窗下(平均读 200次/s, 平均写 20次/s, 平均吞吐量 13000KB/s)。

其他问题

未解决的问题

问题号	问题描述	解决方案	日期

已解决的问题

问题号	问题描述	解决方案	解决日期

最后



ParnassusData Corporation, Shanghai, GaoPing Road No. 733. China

Phone: (+86) 400-690-3643

ParnassusData.com

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