

# OneAgent Plugin for MySQL

平民软件

Keep It Simple !

# 优势

- 无需登录主机
  - 使用MySQL客户端访问
  - 静态编译到MySQL里
- 全面性能数据
  - OS
    - CPU、进程、内存、网络
  - 磁盘IO信息
    - 可监控三组磁盘
  - 文件系统利用率
    - 可监控五个卷
  - InnoDB内核
    - IO、锁、日志、缓存、记录、事务
  - Server层
    - 会话、SQL执行情况、复制（Binlog & Relay Log）

# OS

```
mysql> mysqlstatus like 'oneagent_os%';
```

Variable_name	Value
oneagent_os_blkq	0
oneagent_os_cache	389
oneagent_os_context	87
oneagent_os_filenr	1
oneagent_os_fork	0
oneagent_os_free	302
oneagent_os_ibytes	530
oneagent_os_idl	100
oneagent_os_irq	0
oneagent_os_load	0.050000
oneagent_os_nerr	0
oneagent_os_obytes	530
oneagent_os_pgin	0
oneagent_os_pgout	0
oneagent_os_proc	138

oneagent_os_ptable	4
oneagent_os_runq	1
oneagent_os_swap	0
oneagent_os_swpin	0
oneagent_os_swput	0
oneagent_os_sys	0
oneagent_os_tcpacpt	0
oneagent_os_tcpalloc	8
oneagent_os_tcpconn	0
oneagent_os_tcpuse	4
oneagent_os_tcpwait	0
oneagent_os_uptime	2
oneagent_os_usr	0
oneagent_os_wio	0

```
29 rows in set (0.00 sec)
```

# 磁盘(1-3)

```
mysql> show status like 'oneagent_d1%';
```

Variable_name	Value
oneagent_d1	sda
oneagent_d1busy	0
oneagent_d1rblk	0
oneagent_d1read	0
oneagent_d1rtim	0
oneagent_d1wblk	80
oneagent_d1writ	3
oneagent_d1wtim	0

8 rows in set (0.00 sec)

```
mysql> show status like 'oneagent_d2%';
```

Variable_name	Value
oneagent_d2	dm-0
oneagent_d2busy	0
oneagent_d2rblk	0
oneagent_d2read	0
oneagent_d2rtim	0
oneagent_d2wblk	0
oneagent_d2writ	0
oneagent_d2wtim	0

8 rows in set (0.01 sec)

```
mysql> show status like 'oneagent_d3%';
```

Variable_name	Value
oneagent_d3	hdc
oneagent_d3busy	0
oneagent_d3rblk	0
oneagent_d3read	0
oneagent_d3rtim	0
oneagent_d3wblk	0
oneagent_d3writ	0
oneagent_d3wtim	0

8 rows in set (0.00 sec)

# 文件卷

```
mysql> show status like 'oneagent_fs_root%';
```

Variable_name	Value
oneagent_fs_rootfree	1.352000
oneagent_fs_rootinode	91
oneagent_fs_rootpct	23
oneagent_fs_rootused	4.505000

4 rows in set (0.00 sec)

```
mysql> show status like 'oneagent_fs_tmp%';
```

Variable_name	Value
oneagent_fs_tmpfree	1.352000
oneagent_fs_tmpline	91
oneagent_fs_tmppct	23
oneagent_fs_tmputed	4.505000

4 rows in set (0.00 sec)

```
mysql> show status like 'oneagent_fs_home%';
```

Variable_name	Value
oneagent_fs_homefree	1.352000
oneagent_fs_homeinode	91
oneagent_fs_homepct	23
oneagent_fs_homeused	4.505000

4 rows in set (0.00 sec)

```
mysql> show status like 'oneagent_fs_data%';
```

Variable_name	Value
oneagent_fs_datafree	1.352000
oneagent_fs_datainode	91
oneagent_fs_datapct	23
oneagent_fs_dataused	4.505000

4 rows in set (0.00 sec)

```
mysql> show status like 'oneagent_fs_blog%';
```

Variable_name	Value
oneagent_fs_blogfree	1.352000
oneagent_fs_bloginode	91
oneagent_fs_blogpct	23
oneagent_fs_blogused	4.505000

4 rows in set (0.00 sec)

# InnoDB-Lock

```
mysql> show status like 'oneagent_idb_lock%';
```

Variable_name	Value
oneagent_idb_lockelap	0
oneagent_idb_locksess	0
oneagent_idb_locktime	0
oneagent_idb_lockwait	0

```
4 rows in set (0.00 sec)
```

# InnoDB-Page

```
mysql> show status like 'oneagent_idb_page%';
```

Variable_name	Value
oneagent_idb_pagecreate	0
oneagent_idb_pageflush	0
oneagent_idb_pageread	0
oneagent_idb_pagewait	0
oneagent_idb_pagewrite	0

```
5 rows in set (0.00 sec)
```



# InnoDB-Redo

```
mysql> show status like 'oneagent_idb_log%';
```

Variable_name	Value
oneagent_idb_log	0
oneagent_idb_logckpt	0
oneagent_idb_logflush	0
oneagent_idb_logwait	0
oneagent_idb_logwrite	0

```
5 rows in set (0.00 sec)
```

# InnoDB Transaction

```
mysql> show status like 'oneagent_idb_trx%';
```

Variable_name	Value
oneagent_idb_trx	0
oneagent_idb_trxlist	0
oneagent_idb_trxlong	0
oneagent_idb_trxpurge	0
oneagent_idb_trxrseg	3255
oneagent_idb_trxtime	0
oneagent_idb_trxview	0

```
7 rows in set (0.00 sec)
```

# InnoDB Change Buffer

```
mysql> show status like 'oneagent_idb_ib%';
```

Variable_name	Value
oneagent_idb_ib	1
oneagent_idb_ibdisop	0
oneagent_idb_ibfree	0
oneagent_idb_ibmerg	0
oneagent_idb_ibmrgop	0
oneagent_idb_ibseg	2

```
6 rows in set (0.01 sec)
```

# MySQL Server

```
mysql> show status like 'oneagent_srv%':
```

Variable_name	Value
oneagent_srv_abort	0
oneagent_srv_active	0
oneagent_srv_binapply	0
oneagent_srv_bindelay	0
oneagent_srv_bindump	0
oneagent_srv_binfiles	2
oneagent_srv_binlog	0
oneagent_srv_binslave	0
oneagent_srv_commit	0
oneagent_srv_lockget	0
oneagent_srv_lockmiss	0
oneagent_srv_login	0
oneagent_srv_longqry	0
oneagent_srv_netin	0
oneagent_srv_netout	0
oneagent_srv_rollback	0
oneagent_srv_session	1
oneagent_srv_sortmerge	0
oneagent_srv_sortrows	0
oneagent_srv_sqldel	0
oneagent_srv_sqlins	0
oneagent_srv_sqlsel	0
oneagent_srv_sqlupd	0
oneagent_srv_tcget	0
oneagent_srv_tcmis	0
oneagent_srv_tmpdisk	0
oneagent_srv_tmpfile	0
oneagent_srv_tmptab	0

28 rows in set (0.00 sec)

# History Data

```
# ls -l ONEAGENT*
104857855 May  5 10:46 ONEAGENT_JSON.1.log
104859326 May  4 20:49 ONEAGENT_JSON.2.log
104857625 May  4 06:51 ONEAGENT_JSON.3.log
 64612537 May  5 19:22 ONEAGENT_JSON.log
# █
```

# Auto Load

```
mysql> show variables like 'oneagent_%';
```

Variable_name	Value
oneagent_disk1	
oneagent_disk2	
oneagent_disk3	
oneagent_interval	1
oneagent_longtran	3
oneagent_maxsize	100
oneagent_monitordb	root/@localhost:3306:sitedb

```
7 rows in set (0.01 sec)
```



# History Data

```
mysql> select day,  
->    json_extract(data, "$.os_proc") proc  
->    from oneagent_perfdata  
->    where day > '2016-04-24 21:31:08';
```

day	proc
2016-04-24 21:31:09	161
2016-04-24 21:31:10	161
2016-04-24 21:31:11	161
2016-04-24 21:31:12	162
2016-04-24 21:31:13	162
2016-04-24 21:31:14	162

```
6 rows in set (0.00 sec)
```



# Next?

- Hardware (Raid/SSD)?

Thanks!

**QUESTION?**