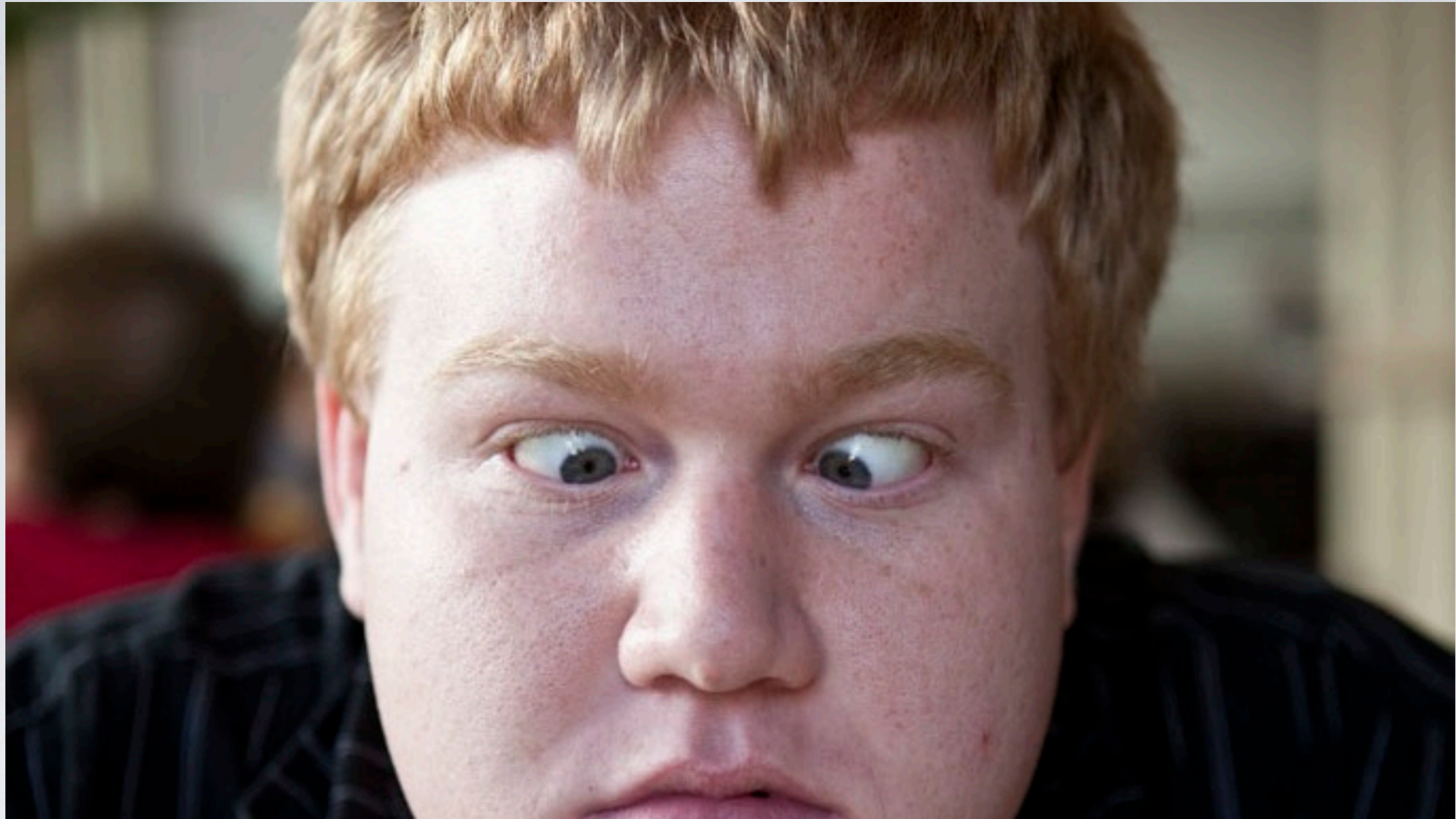


# TUNING YOUR MYSQL SERVER IN 10 MINUTES

## ..AND WHY YOU SHOULD

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WHO AM I?





**AVAHI**



LINUX GUY

Co-author of Avahi mDNS/DNS-SD









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<http://www.webinabox.net.au/>



BUT ENOUGH ABOUT ME

# DEFAULT CONFIGURATION



# DEFAULT CONFIGURATION

- Small amount of ram (8-64MB)
- Small number of connections, concurrency
- Small temporary table sizes
- Very conservative

SHOW GLOBAL STATUS



```
mysql> show global status;
```

Variable_name	Value
Com_insert	5100
Com_select	2000
Connections	2
Created_tmp_disk_tables	500
Created_tmp_files	5
Created_tmp_tables	1000
Innodb_buffer_pool_pages_data	19
Innodb_buffer_pool_pages_free	493
Innodb_buffer_pool_read_requests	77
Innodb_buffer_pool_reads	12
Key_blocks_unused	6694
Key_blocks_used	0
Key_read_requests	12319
Key_reads	411
Qcache_hits	1231
Qcache_inserts	1800

# GENERAL STUFF

- `tmp_table_size = 64M` (def. 32MB)
  - `max_heap_table_size` (16MB)
  - TEXT/BLOB
- `query_cache_size = 64M`
  - Do not set much bigger or else it will be much slower



# GENERAL STUFF

- `table_cache = 1024`
- `max_connections = 200`

MYISAM OR INNODB?



# MYISAM

- `key_buffer_size` = 1GB (default 8MB)
  - Maximum; 4G on older versions (<5.0.52)

# INNODB

- `innodb_buffer_pool_size = 2G`
  - Base on ram size.. 0-75%



# TOOLS

- Tuner: <http://www.day32.com/MySQL/tuning-primer.sh>
- Estimator: <http://forge.mysql.com/tools/tool.php?id=44>

# ESTIMATOR

Downloads/mysql-advanced-gpl-5.1.36-osx10.5-x86\_64/bin/mysqld will use at most:

8.0 MB for global stuff

2.7 MB per thread

409.1 MB total (with 151 active threads)

and additionally:

16.0 MB for each HEAP table

16.0 MB for each temporary table



# THANK-YOU :-)

- Questions?
- <http://sun.com/mysql>
- <http://planetmysql.org/>
- <http://lathiat.net/>

