from gitlab	mysql 8 default

# InnoDB Settings 	
 	
default_storage_engine = InnoDB
innodb_buffer_pool_instances = 2 # Use 1 instance per 1GB of InnoDB pool size
innodb_buffer_pool_size = 2G # Use up to 70-80% of RAM
innodb_file_per_table = 1
innodb_flush_log_at_trx_commit = 0
innodb_flush_method = O_DIRECT
innodb_log_buffer_size = 16M
innodb_log_file_size = 512M
innodb_stats_on_metadata = 0
 	
#innodb_temp_data_file_path = ibtmp1:64M:autoextend:max:20G # Control the maximum size for the ibtmp1 file
#innodb_thread_concurrency = 4 # Optional: Set to the number of CPUs on your system (minus 1 or 2) to better
# contain CPU usage. E.g. if your system has 8 CPUs, try 6 or 7 and check 	
# the overall load produced by MySQL/MariaDB. 	
innodb_read_io_threads = 64
innodb_write_io_threads = 64
 	
# Connection Settings 	
max_connections = 100 # UPD
 	
back_log = 512
thread_cache_size = 100
thread_stack = 192K
 	
interactive_timeout = 180
wait_timeout = 180
 	
# Buffer Settings 	
join_buffer_size = 4M # UPD
read_buffer_size = 3M # UPD
read_rnd_buffer_size = 4M # UPD
sort_buffer_size = 4M # UPD
 	
# Table Settings #need systemd check 	
table_definition_cache = 40000 # UPD
	#innodb
	Before changing innodb_log_file_size and/or innodb_log_files_in_group read this: https://bit.ly/2TcGgtU
	
	default_storage_engine = InnoDB
	innodb_buffer_pool_instances =1
	innodb_buffer_pool_size =134217728 #128M
	
	innodb_flush_log_at_trx_commit =1
	innodb_flush_method = fsync
	innodb_log_buffer_size = 16777216 #16M
	innodb_log_file_size = 50331648 #48M
	
	innodb_read_io_threads = 4
	innodb_write_io_threads = 4
	
	#connection
	
	back_log = 151
	thread_cache_size = 9
	thread_stack = 286720 # 280K
	
	interactive_timeout = 28800
	wait_timeout = 28800
	
	# Buffer Settings
	join_buffer_size = 262144 # 256K
	read_buffer_size = 131072 # 128K
	read_rnd_buffer_size = 262144 # 256K
	sort_buffer_size = 262144 # 256K
	
	# Table Settings #need systemd check
	table_definition_cache = 2000 # UPD
	table_open_cache = 4000 # UPD

table_open_cache = 40000 # UPD
open_files_limit = 60000 # UPD -
This can be 2x to 3x the table_open_cache
value or match the system's
max_heap_table_size = 128M
tmp_table_size = 128M
	open_files_limit = 10000 # UPD -
	This can be 2x to 3x the table_open_cache
	value or match the system's
	max_heap_table_size = 16777216 #
	16M
	tmp_table_size = 16777216 #
	16M

bflab before tuning my.cnf

-------- Recommendations ----------
General recommendations:
Control warning line(s) into /var/log/mysqld.log file
MySQL was started within the last 24 hours - recommendations may be inaccurate
Reduce or eliminate unclosed connections and network issues
Before changing innodb_log_file_size and/or innodb_log_files_in_group read this:
https://bit.ly/2TcGgtU
Variables to adjust:
innodb_log_file_size should be (=16M) if possible, so InnoDB total log files size equals to
25% of buffer pool size.

bflab after tuning my.cnf

-------- Recommendations ----------
General recommendations:
Control warning line(s) into /var/log/mysqld.log file
MySQL was started within the last 24 hours - recommendations may be inaccurate
Reduce or eliminate unclosed connections and network issues
Before changing innodb_log_file_size and/or innodb_log_files_in_group read this:
https://bit.ly/2TcGgtU
Variables to adjust:
innodb_log_file_size should be (=256M) if possible, so InnoDB total log files size equals to
25% of buffer pool size.

bf-prod-mysql before tuning
-------- Recommendations ----------
General recommendations:
Control warning line(s) into /var/log/mysqld.log file
Control error line(s) into /var/log/mysqld.log file
MySQL was started within the last 24 hours - recommendations may be inaccurate
Reduce your overall MySQL memory footprint for system stability
Dedicate this server to your database for highest performance.

Reduce or eliminate unclosed connections and network issues
Before changing innodb_log_file_size and/or innodb_log_files_in_group read this:
https://bit.ly/2TcGgtU
Variables to adjust:
*** MySQL's maximum memory usage is dangerously high ***
*** Add RAM before increasing MySQL buffer variables ***
innodb_log_file_size should be (=16M) if possible, so InnoDB total log files size equals to 25% of buffer pool size.