Function	Query	실행 계획 (스캔 범위)	Detail
	use log_collector;	(—E BTI)	인덱스 생성 where 문에 자주 들어가는 필드
Log 테이블 생성	create table traced_log (id bigint primary key auto_increment, id bigint primary key auto_increment, id bigint primary key auto_increment, id bigint primary key auto_increment. '목적 ID', tag_id varchar(20) not null comment '목그 대명', log_type varchar(5) not null comment '로그 레벨', log_tata text comment '로그 내용', loggling_time timestamp(6) not null comment '로깅 시작', *** 2021-11-16 세밀한 처리시간제산, timezone 확장성 고려하여 datetime> timestamp(6)으로 변경 logging_date date not null comment '로깅 날짜' *** 2021-12-23 logging_date 제거 필요);	-	create index index_logging_time on traced_log (logging_time); ** 2021-11-30 날짜 필드 추가없이 인데스 타는 쿼리문 https://bi.ly/32LFuxh ** 2021-12-22 인데스 trace_id, tag_id 제거 인데스 log_type 제거
샘플 데이터 입력	INSERT INTO traced_log (trace_id,tag_id,log_type,log_data,logging_time,logging_date,create_at) VALUES ('t1','service_x','ERROR','service_x starts','2021-12-14 02:14:21,264322000','2021-12-14','2021-12-15 03:06:56'),	-	
추적 ID 내 서비스별 처리 시간	explain select trace_id, tag_id, time_to_sec(timediff(max(logging_time), min(logging_time))) as process_time from traced_log where logging_time between '2021-11-18 00:00:00' and '2021-11-18 23:59:59' group by trace_id, tag_id;	range	
서비스별 평균 처리 시간	select ts.tag_id, avg(ts.process_time) as avg from (- 각 traceld 안에서 서비스별 소요시간 계산 select trace_id, tag_id, time_to_sec(timediff(max(logging_time), min(logging_time))) as process_time from traced_log group by trace_id, tag_id) ts group by ts.tag_id;	range	** 2021-11-17 jpa, query dsi이 인라인뷰를 지원하지 않기 때문에, 인라인 뷰만 쿼리 후 서버에서 처리 select trace_id, tag_id, timediff(max(logging_time), min(logging_time)) as process_time from traced_log t1 group by trace_id, tag_id; [스캔 범위 : range]
에러가 많이 발생한 서비스	select tag_id, count(*) from traced_log where log_type = 'ERROR' and logging_time between '2021-11-18 00:00:00' and '2021-11-18 23:59:59' group by tag_id order by count(*) desc, tag_id limit 10;	range	** 2021-11-17 traceld도 함께 출력하는 경우 쿼리 register group_concat - (반영은 안함) select tag_id, count/g group_concat(distinct trace_id) as error_count from traced_log where log_type = ERROR' and date_format(logging_time, "%Y-%m-%d') = date_format(now(), "%Y-%m-%d') group by tag_id order by count(*) desc;
서비스 별 처리 시간 최대, 최소 간국	select ts.tag_id, time_to_sec(timediff(max(process_time), min(process_time)))) as diff from ((select trace_id, tag_id, timediff(max(logging_time), min(logging_time))) as process_time from traced_log group by trace_id, tag_id) ts group by ts.tag_id;	range	** 2021-11-17 jpa, query dsI이 인라인뷰를 지원하지 않기 때문에, 인라인 뷰만 쿼리 후 서버에서 처리 select trace_id, tag_id, timediff(max(logging_time), min(logging_time)) as process_time from trace_d_log t1 group by trace_id, tag_id; [스캔 범위: range] ** 2021-12-07 테스트코드 사용 예. tagId만 projection select tag_id, timediff(max(logging_time), min(logging_time)) as process_time from traced_log t1 where logging_date = '2021-11-17' group by trace_id, tag_id;
가장 많이 호출된 서비스	select tag_id, count(tag_id) as cc from traced_log where logging_time between '2021-11-18 00:00:00' and '2021-11-18 23:59:59' group by tag_id order by tag_id desc;	range	
추적 ID 내용 조회	select trace_id, tag_id, log_type, log_data, logging_time from traced_log where trace_id = "t2" and tag_id like "%%" and log_type like "%%" and log_tata like "%%" and log_data like "%%" order by log_type desc limit 10;	range	
서비스 ID 내용 조 회	select trace_id, tag_id, log_type, log_data, logging_time from traced_log where tag_id = "service_b" and log_type like "%error%" and log_data like "%%" and log_data like "%%" and log_dyse between '2021-11-18 00:00:00' and '2021-11-18 23:59:59' order by log_type desc limit 10;	range	
Mail 테이블	create table undelivered_mail (id bigint not null auto_increment, cause_content text comment '원인 상세', cause_keyword varchar(100) comment '원인 키워드', create_at timestamp not null default current_timestamp comment '등록 일시', traced_log_id bigint not null, foreign key (traced_log_id) references traced_log(id) on update cascade, primary key(id));		alter table undelivered_mail add index index_create_at (create_at);
샘플 데이터 입력	INSERT INTO undelivered_mail (cause_content_cause_keyword,create_at,traced_log_id) VALUES ('535-5.7.8 Username and Password not accepted. Learn more at 535-5.7.8 https://support.google.com/mail/?p=BadCredentials o2sm609846pfu.206 - gsmtp ';/MailAuthentication','2021-12-15 03:06:57',1),		
전송 실패한 로그 정보 조회	select * from undelivered_mail u inner join traced_log t on u.traced_log_id = t.id where u.create_at between '2021-12-15 00:00:00' and '2021-12-15 23:59:59';	u:range t:eq_ref	