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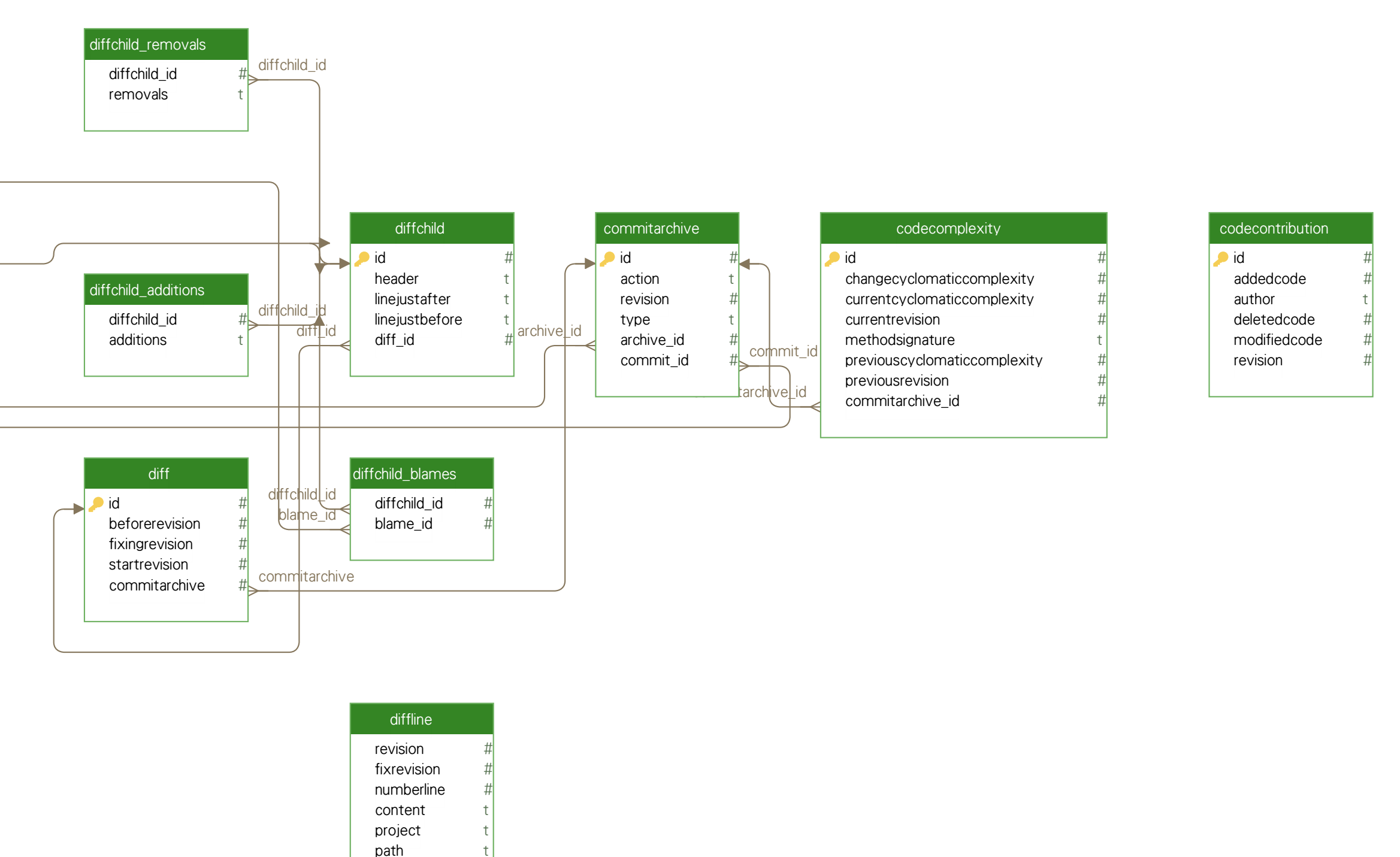
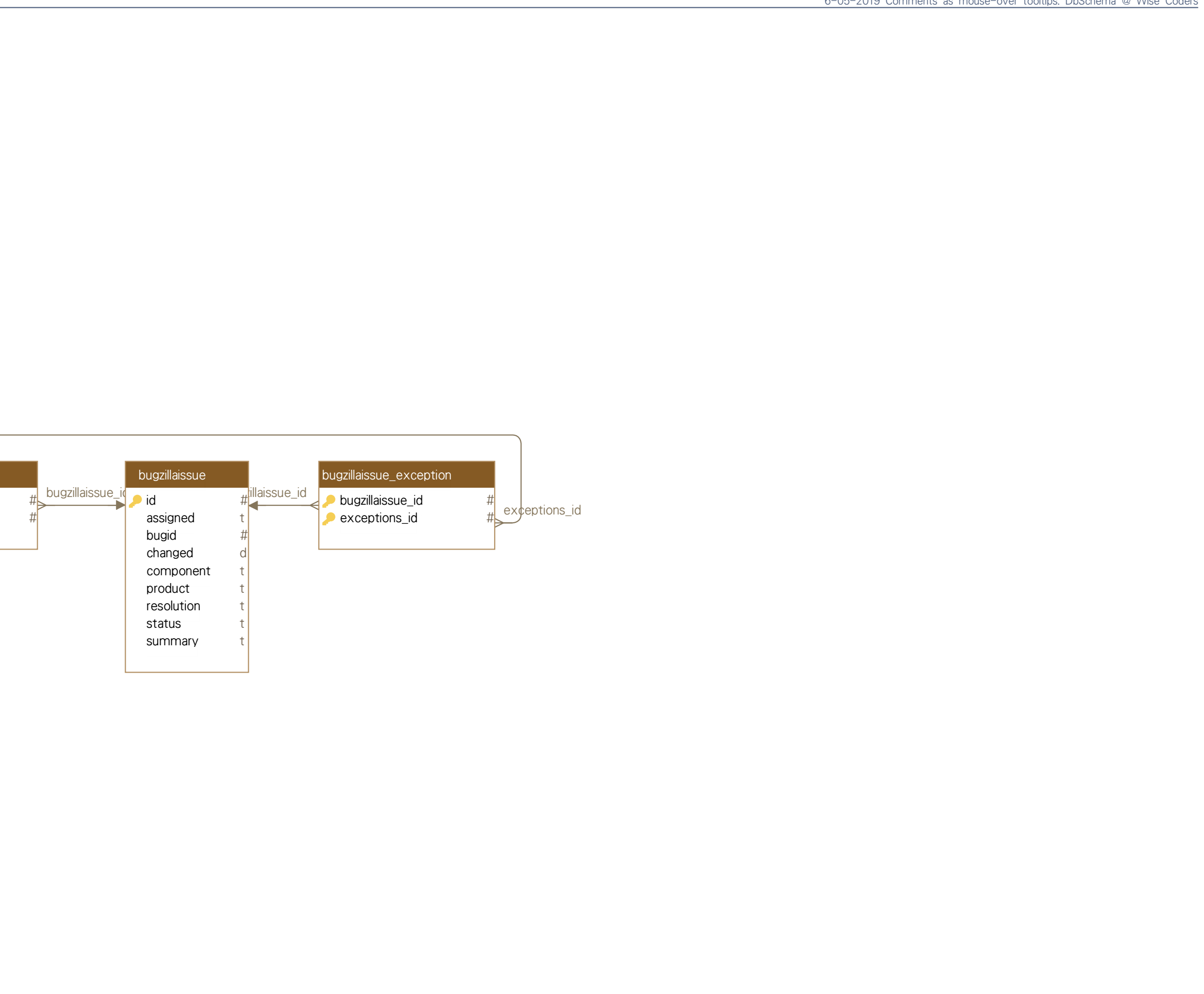
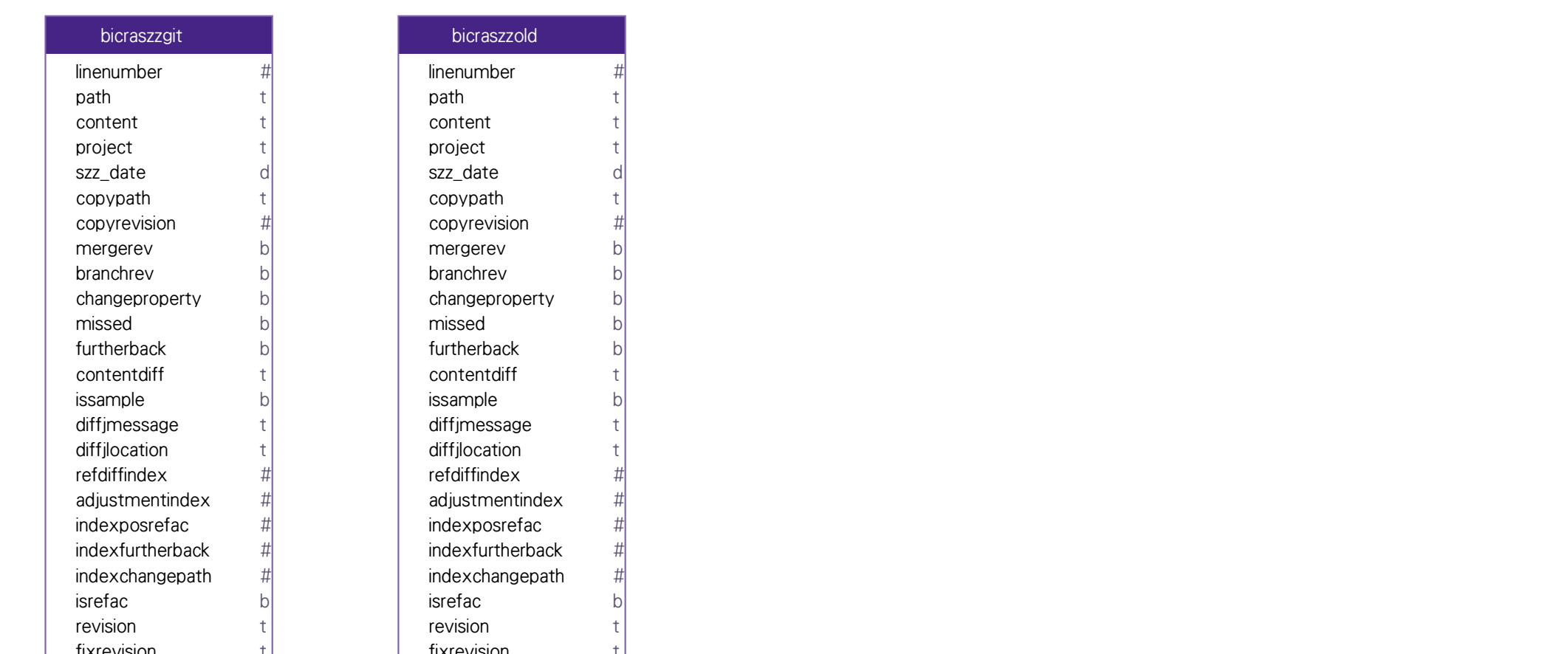
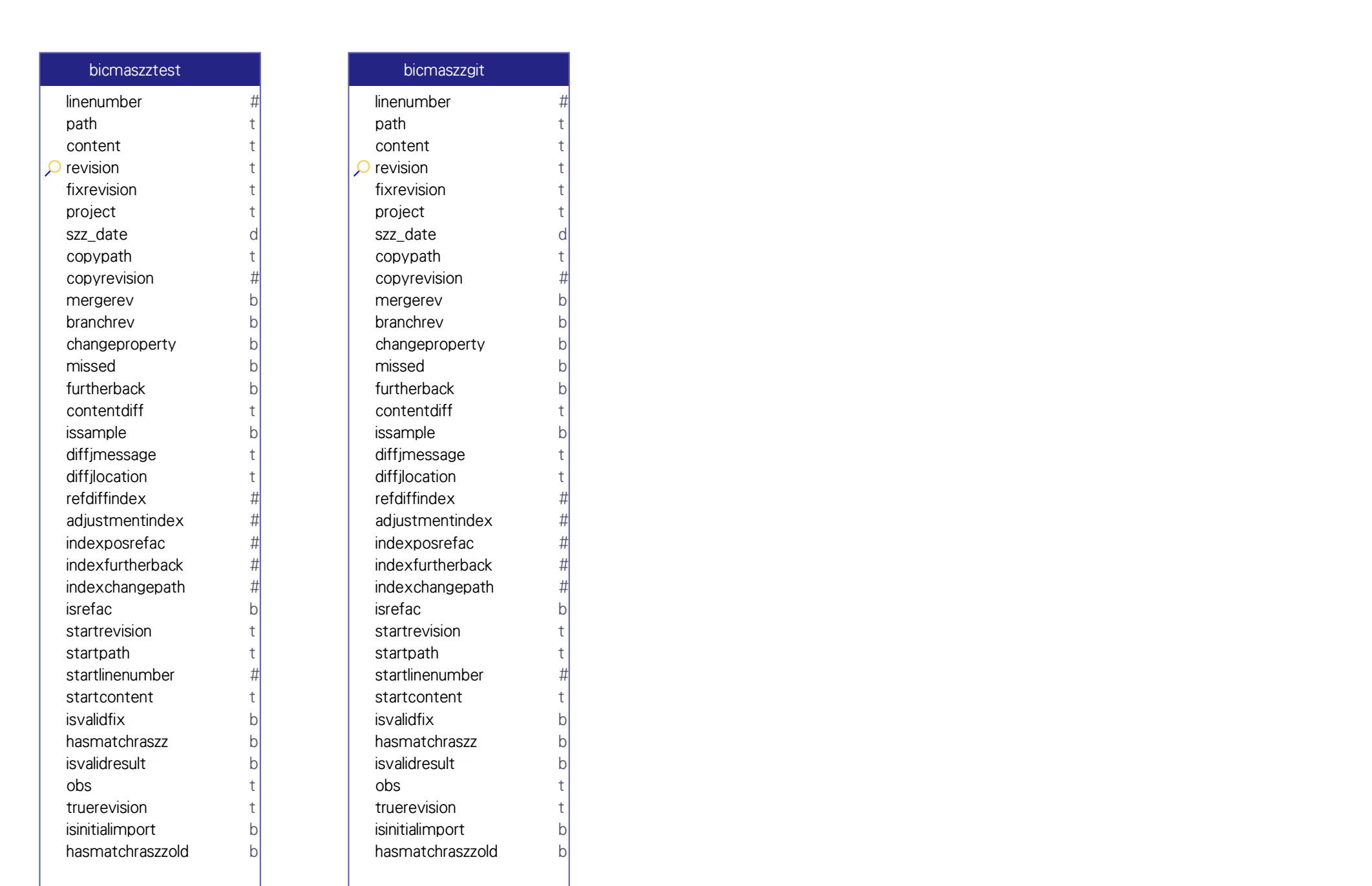
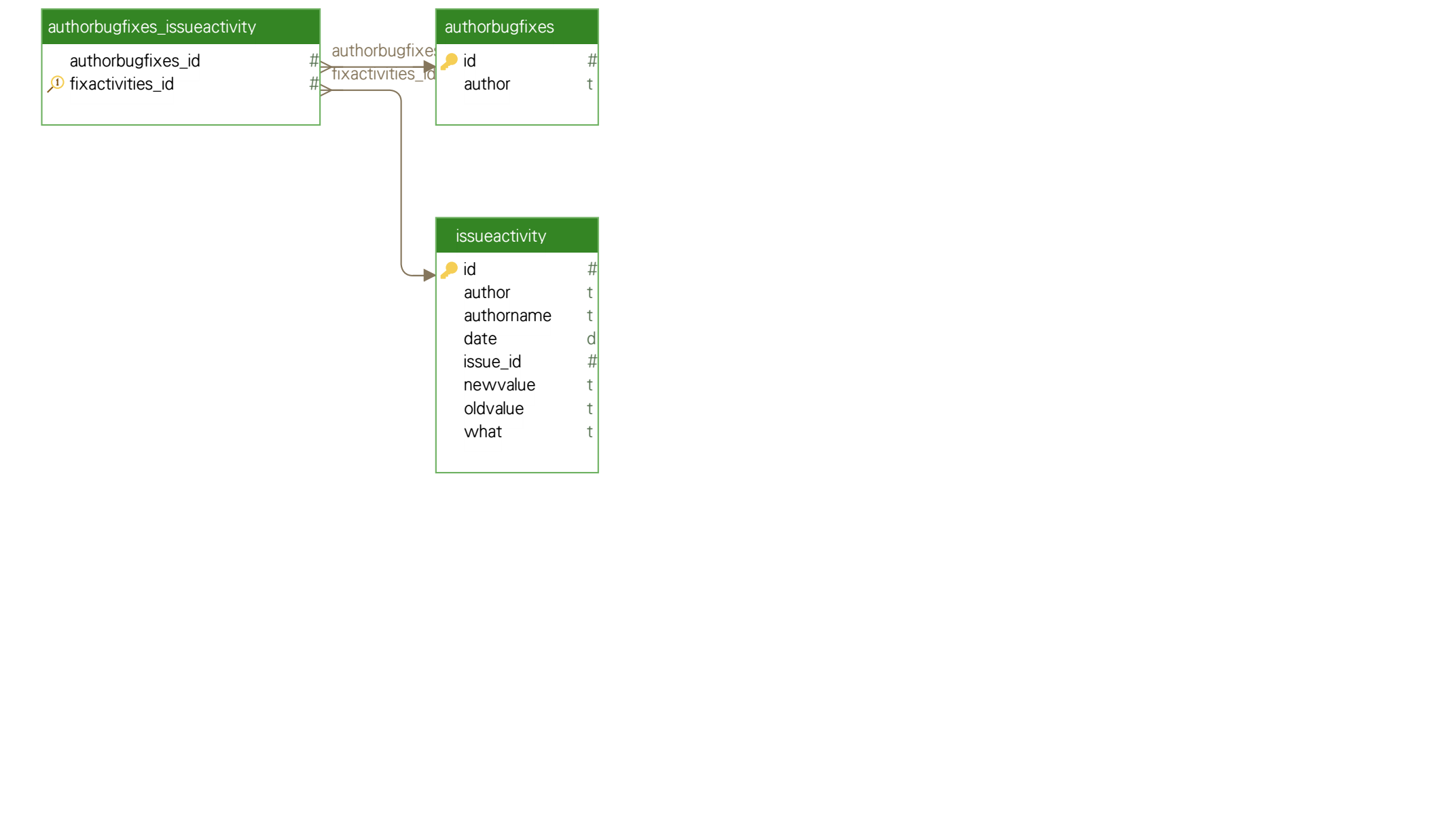
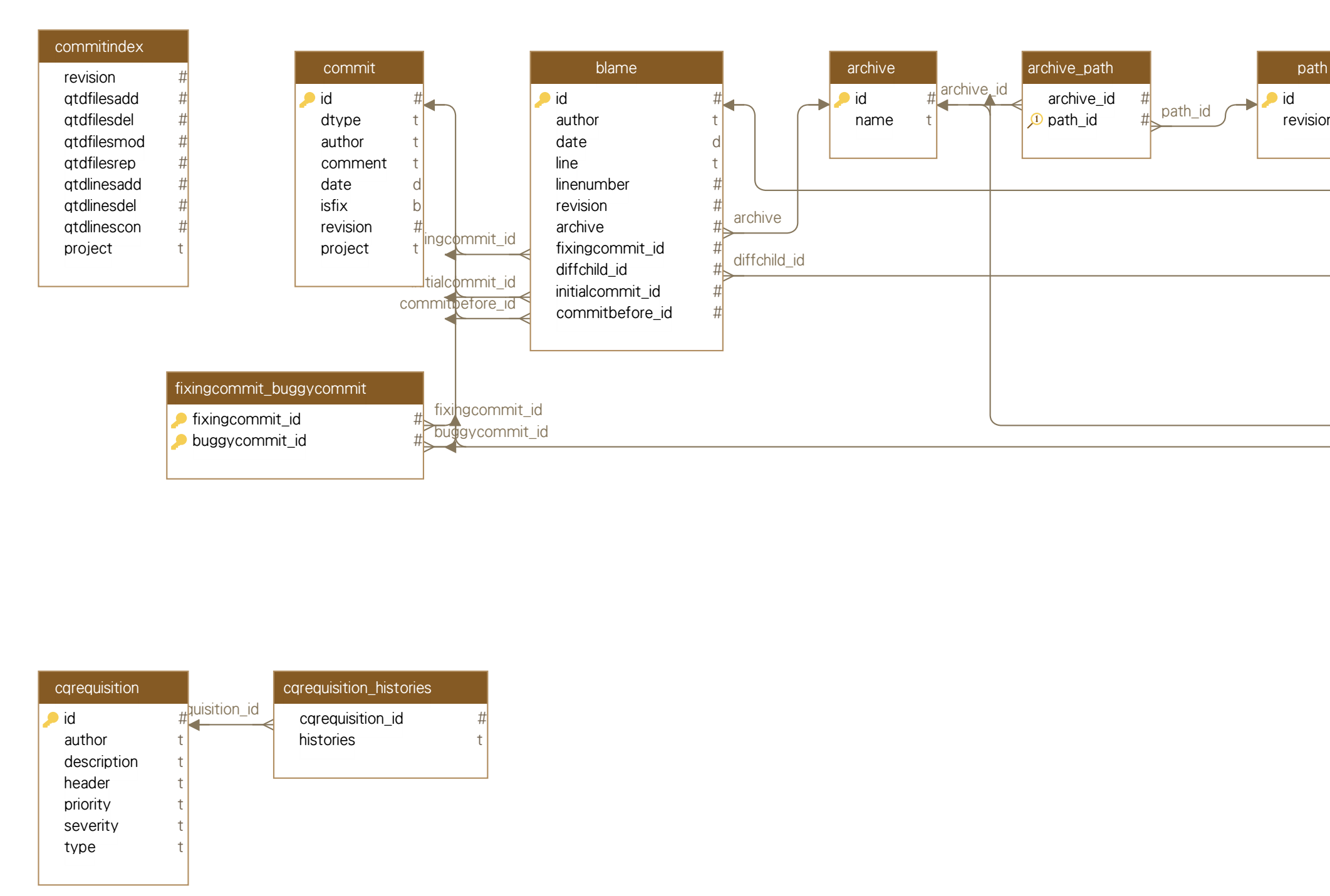
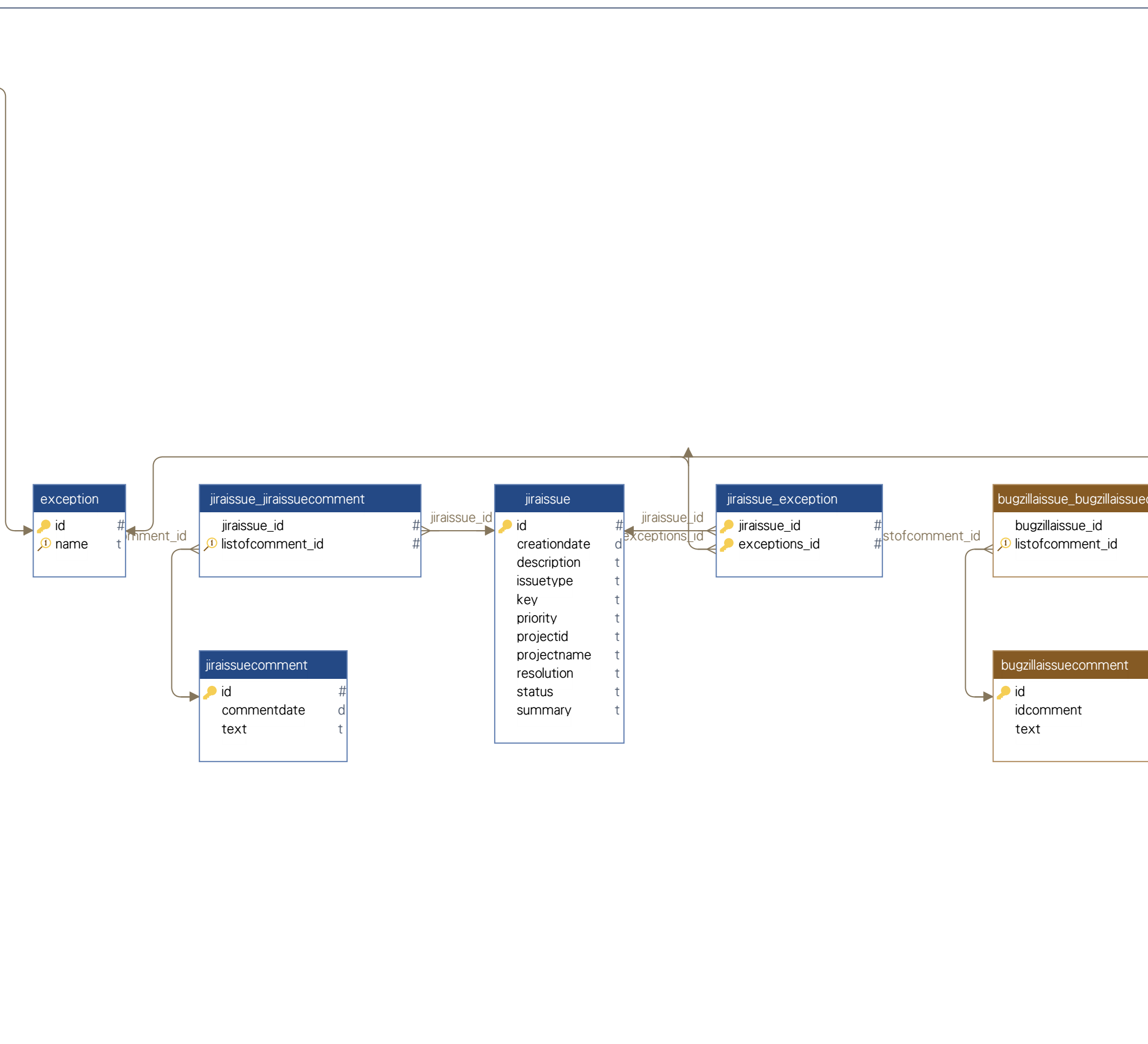
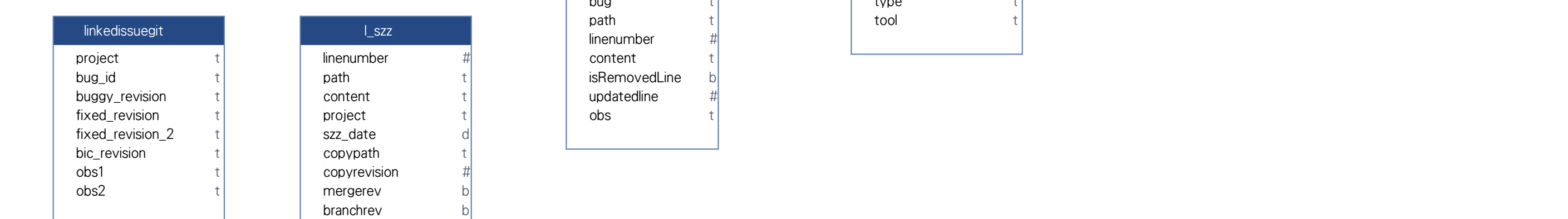
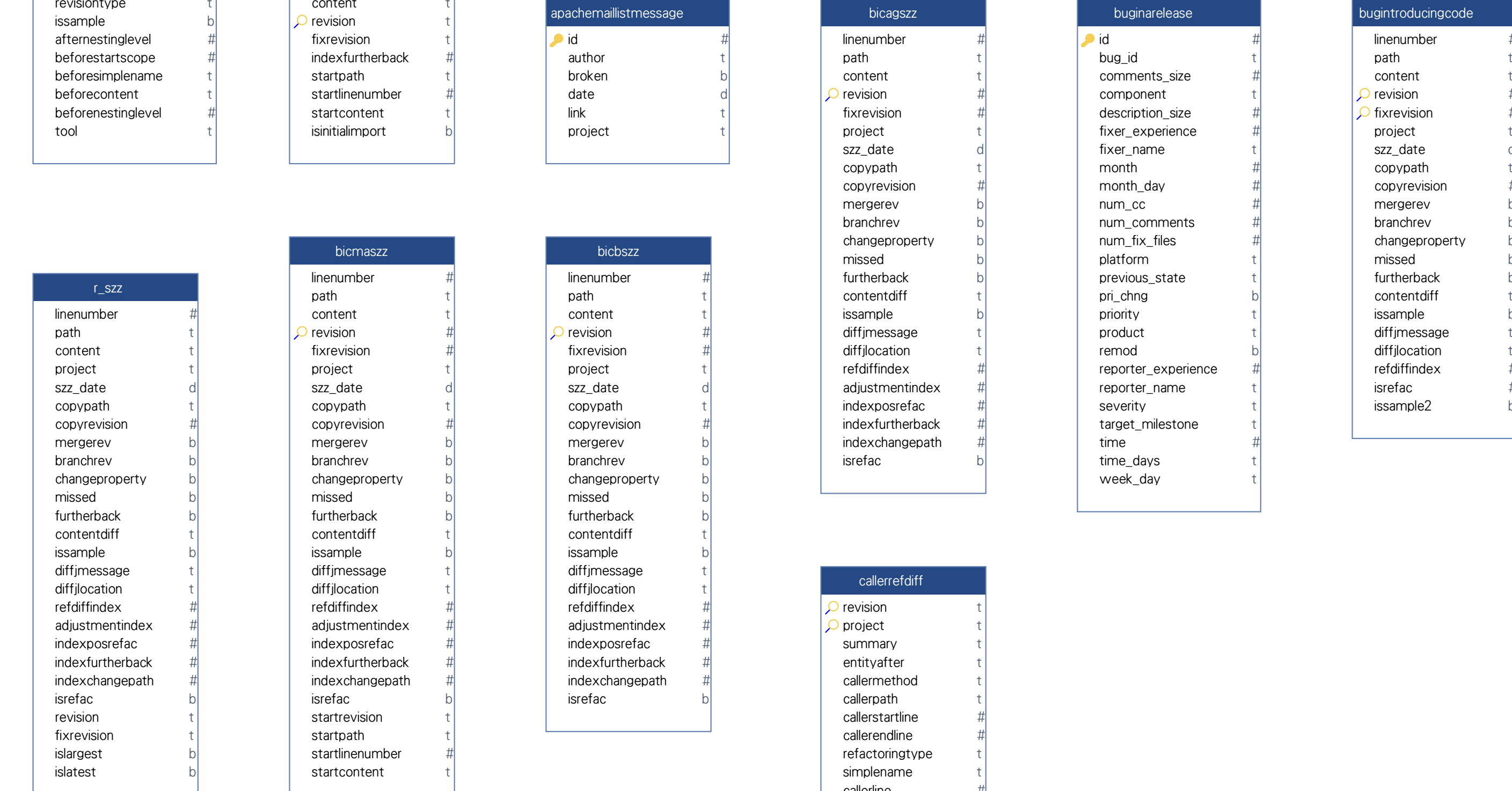
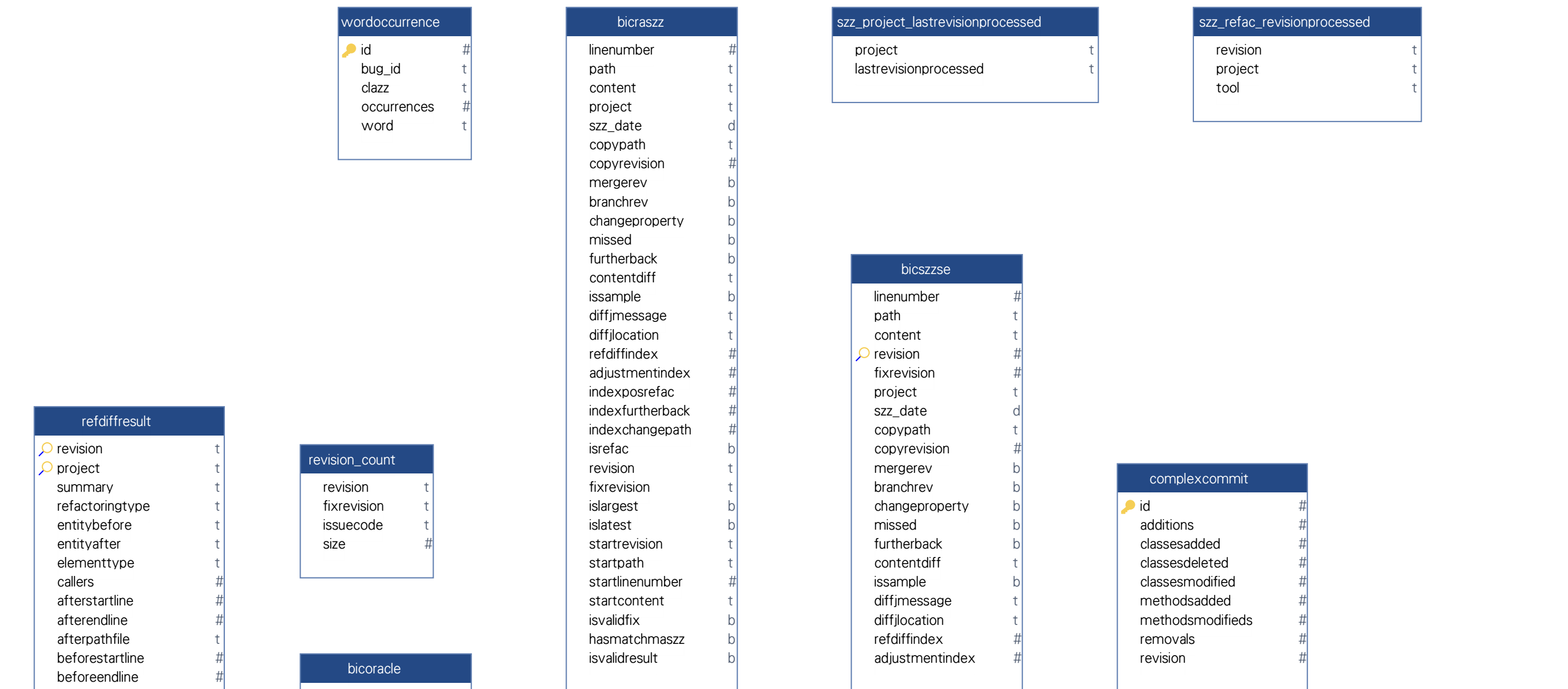
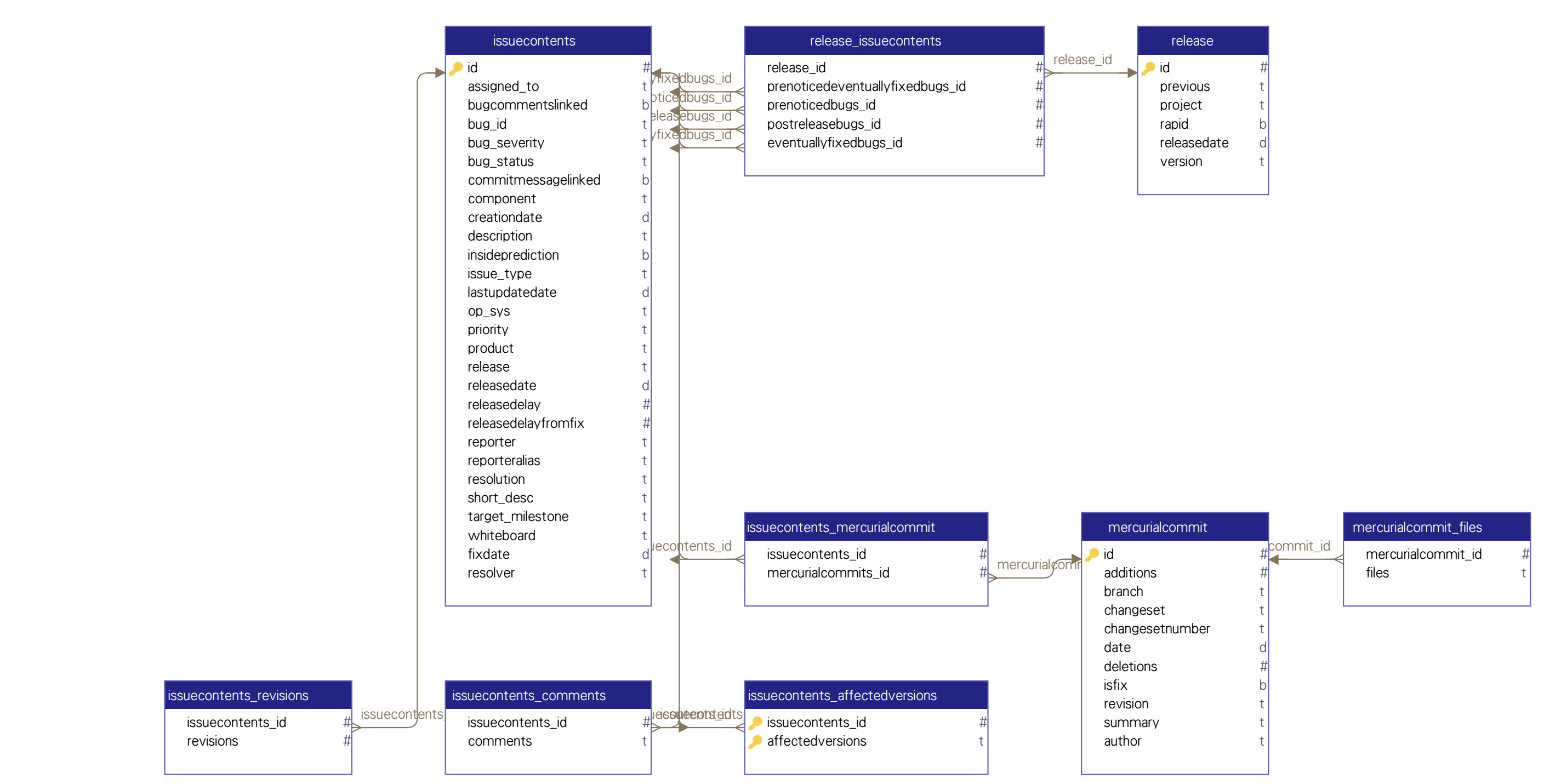
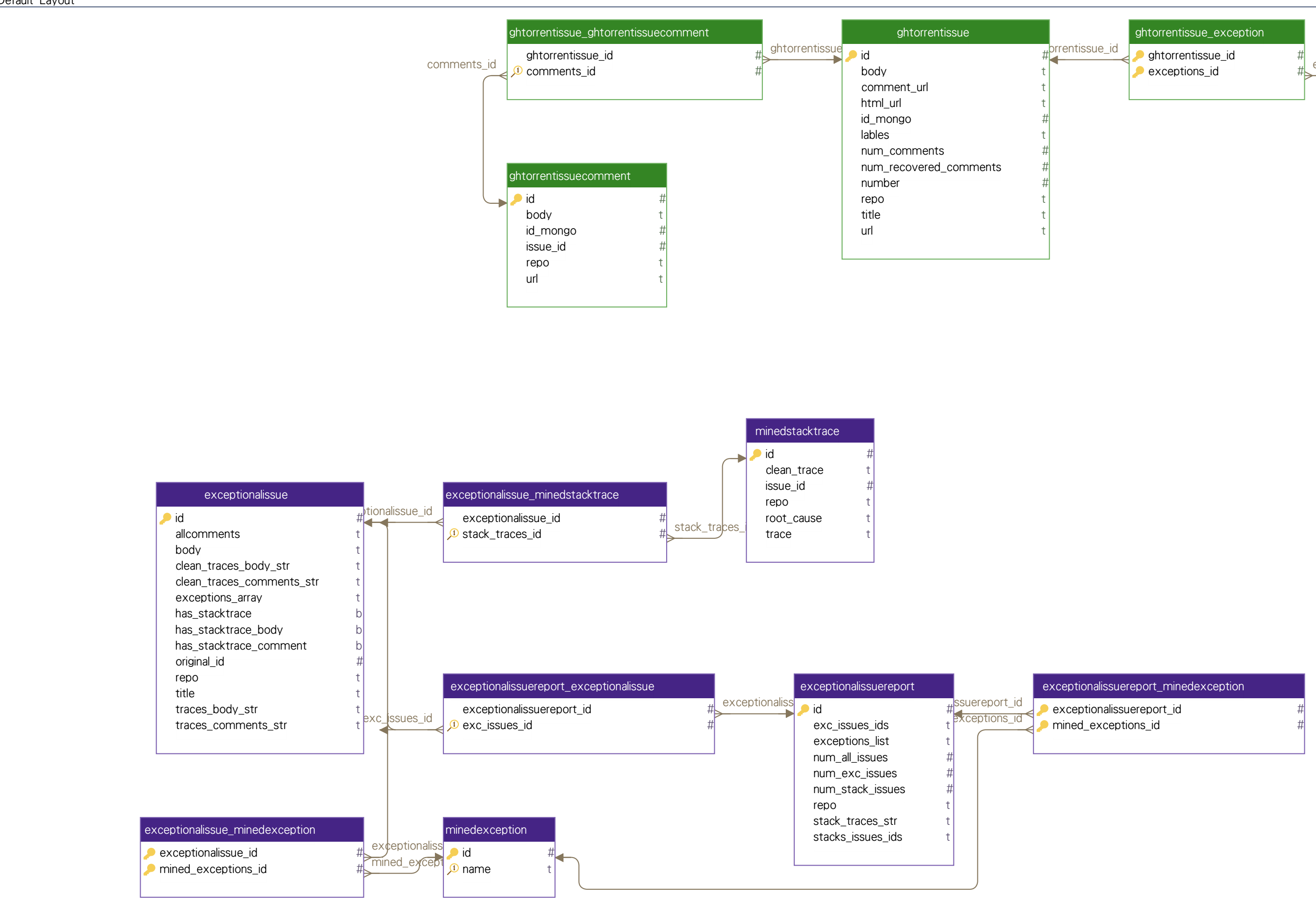


Table apachemaillistmessage			
*Pk	id	bigint	
	author	varchar(255)	
*	broken	bool	
	date	timestamp	
	link	varchar(255)	
	project	varchar(255)	
Indexes			
Pk	apachemaillistmessage_pkey	id	

Table archive			
*Pk	id	bigint	
	name	varchar(10485760)	
Indexes			
Pk	archive_pkey	id	

Table archive_path			
*	archive_id	bigint	
*Unq	path_id	bigint	
Indexes			
Unq	archive_path_path_id_key	path_id	
Foreign Keys			
	fka55b2dc2e2f40863 (archive_id) ref archive (id)		
	fka55b2dc235504e51 (path_id) ref path (id)		

Table authorbugfixes			
*Pk	id	bigint	
	author	varchar(255)	
Indexes			
Pk	authorbugfixes_pkey	id	

Table authorbugfixes_issueactivity			
*	authorbugfixes_id	bigint	
*Unq	fixactivities_id	bigint	
Indexes			
Unq	authorbugfixes_issueactivity_fixactivities_id_key	fixactivities_id	
Foreign Keys			
	fkcc9023a3f55223dc (authorbugfixes_id) ref authorbugfixes (id)		

Table authorbugfixes_issueactivity

	fkcc9023a357883ae9 (fixactivities_id) ref issueactivity (id)	
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Table bicagszz

	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	bigint	
	fixrevision	bigint	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeopath	integer	
	isrefac	bool	
Indexes			
	INDEX_REVISION_bicagszz	revision	

Table bicbszz

	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	bigint	
	fixrevision	bigint	
	project	varchar	
	szz_date	timestamp	

Table bicbszz			
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeopath	integer	
	isrefac	bool	
Indexes			
	INDEX_REVISION_bicbszz	revision	

Table bicmaszz			
	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	bigint	
	fixrevision	bigint	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	

Table bicmaszz			
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeopath	integer	
	isrefac	bool	
	startrevision	varchar	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
Indexes			
	INDEX_REVISION_bicmaszz	revision	

Table bicmaszzgit			
	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	varchar	
	fixrevision	varchar	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeopath	integer	

Table bicmaszzgit			
	isrefac	bool	
	startrevision	varchar	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
	isvalidfix	bool	
	hasmatchcraszz	bool	
	isvalidresult	bool	
	obs	varchar	
	truerevision	varchar	
	isinitialimport	bool	
	hasmatchcraszzold	bool	
Indexes			
	INDEX_REVISION_bicmaszzgit	revision	

Table bicmaszztest			
	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	varchar	
	fixrevision	varchar	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	

Table bicmaszztest			
	indexchangeopath	integer	
	isrefac	bool	
	startrevision	varchar	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
	isvalidfix	bool	
	hasmatchcraszz	bool	
	isvalidresult	bool	
	obs	varchar	
	truerevision	varchar	
	isinitialimport	bool	
	hasmatchcraszzold	bool	
Indexes			
	INDEX_REVISION_bicmaszztest	revision	

Table bicoracle			
	bug_id	bigint	
	project	varchar	
	linenumber	varchar	
	path	varchar	
	content	varchar	
Idx	revision	varchar	
	fixrevision	varchar	
	indexfurtherback	integer	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
	isinitialimport	bool	
Indexes			
	INDEX_REVISION_bicoracle	revision	

Table bicraszz			
	linenumber	bigint	
	path	varchar	
	content	varchar	
	project	varchar	
	szz_date	timestamp	

Table bicraszz			
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeopath	integer	
	isrefac	bool	
	revision	varchar	
	fixrevision	varchar	
	islargest	bool	
	islatest	bool	
	startrevision	varchar	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
	isvalidfix	bool	
	hasmatchmaszz	bool	
	isvalidresult	bool	

Table bicraszzgit			
	linenumber	bigint	
	path	varchar	
	content	varchar	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	

Table bicraszgit			
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeindex	integer	
	isrefac	bool	
	revision	varchar	
	fixrevision	varchar	
	islargest	bool	
	islatest	bool	
	startrevision	varchar	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
	isvalidfix	bool	
	hasmatchmaszz	bool	
	isvalidresult	bool	

Table bicraszold			
	linenumber	bigint	
	path	varchar	
	content	varchar	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	

Table bicraszold			
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexfurtherback	integer	
	indexchangeindex	integer	
	isrefac	bool	
	revision	varchar	
	fixrevision	varchar	
	islargest	bool	
	islatest	bool	
	startrevision	varchar	
	startpath	varchar	
	startlinenumber	bigint	
	startcontent	varchar	
	isvalidfix	bool	
	hasmatchmaszz	bool	
	isvalidresult	bool	

Table bicszzse			
	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	bigint	
	fixrevision	bigint	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	

Table bicszzse			
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
Indexes			
	INDEX_REVISION_BICSZZSE	revision	

Table bicszzse2			
	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	bigint	
	fixrevision	bigint	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexchangeopath	integer	
	isrefac	bool	
Indexes			
	INDEX_REVISION_BICSZZSE2	revision	

Table bicszzse3			
	linenumber	bigint	

Table bicszzse3			
	path	varchar	
	content	varchar	
Idx	revision	varchar	
	fixrevision	varchar	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	adjustmentindex	integer	
	indexposrefac	integer	
	indexchangeopath	integer	
	isrefac	bool	
Indexes			
	INDEX_REVISION_BICSZZSE3	revision	

Table blame			
*Pk	id	bigint	
	author	varchar(10485760)	
	date	timestamp	
	line	varchar(10485760)	
*	linenumber	bigint	
*	revision	bigint	
	archive	bigint	
	fixingcommit_id	bigint	
	diffchild_id	bigint	
	initialcommit_id	bigint	
	commitbefore_id	bigint	
Indexes			

Table blame			
Pk	blame_pkey	id	
Foreign Keys			
	fk3d4a10fbc98276d (archive)	ref archive (id)	
	fk3d4a10f44a1208d (initialcommit_id)	ref commit (id)	
	fk3d4a10f752bc644 (fixingcommit_id)	ref commit (id)	
	fk3d4a10fffbab4b2 (commitbefore_id)	ref commit (id)	
	fk3d4a10fe82991e3 (diffchild_id)	ref diffchild (id)	

Table buginarelease			
*Pk	id	bigint	
	bug_id	varchar(255)	
*	comments_size	integer	
	component	varchar(255)	
*	description_size	integer	
*	fixer_experience	integer	
	fixer_name	varchar(255)	
*	month	integer	
*	month_day	integer	
*	num_cc	integer	
*	num_comments	integer	
*	num_fix_files	integer	
	platform	varchar(255)	
	previous_state	varchar(255)	
*	pri_chng	bool	
	priority	varchar(255)	
	product	varchar(255)	
*	remod	bool	
*	reporter_experience	integer	
	reporter_name	varchar(255)	
	severity	varchar(255)	
	target_milestone	varchar(255)	
*	time	integer	
	time_days	varchar(255)	
	week_day	varchar(255)	
Indexes			
Pk	buginarelease_pkey	id	

Table bugintroducingcode			
	linenumber	bigint	
	path	varchar	
	content	varchar	
Idx	revision	bigint	
Idx	fixrevision	bigint	
	project	varchar	
	szz_date	timestamp	
	copypath	varchar	
	copyrevision	bigint	
	mergerev	bool	
	branchrev	bool	
	changeproperty	bool	
	missed	bool	
	furtherback	bool	
	contentdiff	varchar	
	issample	bool	
	diffjmessage	varchar	
	diffjlocation	varchar	
	refdiffindex	integer	
	isrefac	bigint	
	issample2	bool	
Indexes			
	INDEX_FIXREVISION	fixrevision	
	INDEX_REVISION_BIC	revision	

Table bugzillaissue			
*Pk	id	bigserial	
	assigned	varchar(255)	
	bugid	integer	
	changed	timestamp	
	component	varchar(255)	
	product	varchar(255)	
	resolution	varchar(255)	
	status	varchar(255)	
	summary	varchar(255)	
Indexes			
Pk	bugzillaissue_pkey	id	

Table bugzillaissue_bugzillaissuecomment			
*	bugzillaissue_id	bigint	
*Unq	listofcomment_id	bigint	
Indexes			
Unq	bugzillaissue_bugzillaissuecomment_listofcomment_id_key	listofcomment_id	
Foreign Keys			
	fk53566ba83c34e6e3 (bugzillaissue_id) ref bugzillaissue (id)		
	fk53566ba8f21aea2b (listofcomment_id) ref bugzillaissuecomment (id)		

Table bugzillaissue_exception			
*Pk	bugzillaissue_id	bigint	
*Pk	exceptions_id	integer	
Indexes			
Pk	bugzillaissue_exception_pkey	bugzillaissue_id, exceptions_id	
Foreign Keys			
	fkcd6bc4eb3c34e6e3 (bugzillaissue_id) ref bugzillaissue (id)		
	fkcd6bc4eb268b292e (exceptions_id) ref exception (id)		

Table bugzillaissuecomment			
*Pk	id	bigserial	
*	idcomment	integer	
	text	varchar(10485760)	
Indexes			
Pk	bugzillaissuecomment_pkey	id	

Table callerrefdiff			
Idx	revision	varchar	
Idx	project	varchar	
	summary	varchar	
	entityafter	varchar	
	callermethod	varchar	
	callerpath	varchar	
	callerstartline	bigint	
	callerendline	bigint	
	refactoringtype	varchar	
	simplename	varchar	
	callerline	bigint	
	revisiontype	varchar	

Table callerrefdiff			
	issample	bool	
	nestinglevel	bigint	
	type	varchar	
	tool	varchar	
Indexes			
	INDEX_PROJ_CALLER_REFAC	project	
	INDEX_REV_CALLER_REFAC	revision	

Table codecomplexity			
*Pk	id	bigint	
*	change cyclomatic complexity	integer	
*	current cyclomatic complexity	integer	
*	current revision	bigint	
	method signature	varchar(10000)	
*	previous cyclomatic complexity	integer	
*	previous revision	bigint	
	commit archive_id	bigint	
Indexes			
Pk	codecomplexity_pkey	id	
Foreign Keys			
	fk9e0c47ebbc4c78e3 (commit archive_id) ref commit archive (id)		

Table codecontribution			
*Pk	id	bigint	
*	added code	integer	
	author	varchar(255)	
*	deleted code	integer	
*	modified code	integer	
*	revision	bigint	
Indexes			
Pk	codecontribution_pkey	id	

Table commit			
*Pk	id	bigint	
*	dtype	varchar(31)	
	author	varchar(10485760)	
	comment	varchar(10485760)	
	date	timestamp	

Table commit			
	isfix	bool	
*	revision	bigint	
	project	varchar(255)	
Indexes			
Pk	commit_pkey	id	

Table commitarchive			
*Pk	id	bigint	
	action	varchar(255)	
*	revision	bigint	
	type	varchar(255)	
	archive_id	bigint	
	commit_id	bigint	
Indexes			
Pk	commitarchive_pkey	id	
Foreign Keys			
	fk43b2036be2f40863 (archive_id) ref archive (id)		
	fk43b2036bcaae8b51 (commit_id) ref commit (id)		

Table commitindex			
	revision	bigint	
	qtdfilesadd	bigint	
	qtdfilesdel	bigint	
	qtdfilesmod	bigint	
	qtdfilesrep	bigint	
	qtdlinesadd	bigint	
	qtdlinesdel	bigint	
	qtdlinescon	bigint	
	project	varchar	

Table complexcommit			
*Pk	id	bigint	
*	additions	integer	
*	classesadded	integer	
*	classesdeleted	integer	
*	classesmodified	integer	
*	methodsadded	integer	
*	methodsmodifieds	integer	

Table complexcommit			
*	removals	integer	
*	revision	bigint	
Indexes			
Pk	complexcommit_pkey	id	

Table cqrequisition			
*Pk	id	bigint	
	author	varchar(255)	
	description	varchar(255)	
	header	varchar(255)	
	priority	varchar(255)	
	severity	varchar(255)	
	type	varchar(255)	
Indexes			
Pk	cqrequisition_pkey	id	

Table cqrequisition_histories			
*	cqrequisition_id	bigint	
	histories	varchar(10000000)	
Foreign Keys			
	fk d5d890816ac62223 (cqrequisition_id) ref cqrequisition (id)		

Table defects4jpatches			
	project	varchar	
	bug	varchar	
	path	varchar	
	linenumber	bigint	
	content	varchar	
	isRemovedLine	bool	
	updatedline	bigint	
	obs	varchar	

Table diff			
*Pk	id	bigint	
*	beforerevision	bigint	
*	fixingrevision	bigint	
*	startrevision	bigint	
	commitarchive	bigint	

Table diff			
Indexes			
Pk	diff_pkey	id	
Foreign Keys			
	fk208025e91fa25f (commitarchive) ref commitarchive (id)		

Table diffchild			
*Pk	id	bigint	
	header	varchar(10485760)	
	linejustafter	varchar(10485760)	
	linejustbefore	varchar(10485760)	
	diff_id	bigint	
Indexes			
Pk	diffchild_pkey	id	
Foreign Keys			
	fk333d3f7c760c251 (diff_id) ref diff (id)		

Table diffchild_additions			
*	diffchild_id	bigint	
	additions	varchar(10485760)	
Foreign Keys			
	fk94452aafe82991e3 (diffchild_id) ref diffchild (id)		

Table diffchild_blames			
*	diffchild_id	bigint	
*	blame_id	bigint	
Foreign Keys			
	fkb7da968ceb69fb83 (blame_id) ref blame (id)		
	fkb7da968ce82991e3 (diffchild_id) ref diffchild (id)		

Table diffchild_removals			
*	diffchild_id	bigint	
	removals	varchar(10485760)	
Foreign Keys			
	fk4819c94fe82991e3 (diffchild_id) ref diffchild (id)		

Table diffline			
	revision	bigint	
	fixrevision	bigint	

Table diffline			
	numberline	bigint	
	content	varchar	
	project	varchar	
	path	varchar	
	refdiffindex	bigint	
	isrefac	bigint	

Table exception			
*Pk	id	serial	
Unq	name	varchar(255)	
Indexes			
Pk	exception_pkey	id	
Unq	exception_name_key	name	

Table exceptionalissue			
*Pk	id	bigserial	
	allcomments	varchar(2000000)	
	body	varchar(2000000)	
	clean_traces_body_str	varchar(2000000)	
	clean_traces_comments_str	varchar(2000000)	
	exceptions_array	varchar(300000)	
*	has_stacktrace	bool	
*	has_stacktrace_body	bool	
*	has_stacktrace_comment	bool	
	original_id	bigint	
	repo	varchar(100)	
	title	varchar(300)	
	traces_body_str	varchar(2000000)	
	traces_comments_str	varchar(2000000)	
Indexes			
Pk	exceptionalissue_pkey	id	

Table exceptionalissue_minedexception			
*Pk	exceptionalissue_id	bigint	
*Pk	mined_exceptions_id	integer	
Indexes			
Pk	exceptionalissue_minedexception_pk ey	exceptionalissue_id, mined_exceptions_id	
Foreign Keys			

Table exceptionalissue_minedexception

	fk80456cde30afe171 (exceptionalissue_id) ref exceptionalissue (id)	
	fk80456cde7eb372bd (mined_exceptions_id) ref minedexception (id)	

Table exceptionalissue_minedstacktrace

*	exceptionalissue_id	bigint	
*Unq	stack_traces_id	bigint	
Indexes			
Unq	exceptionalissue_minedstacktrace_stack_traces_id_key	stack_traces_id	
Foreign Keys			
	fk4f8488ee30afe171 (exceptionalissue_id) ref exceptionalissue (id)		
	fk4f8488ee84095c0c (stack_traces_id) ref minedstacktrace (id)		

Table exceptionalissuereport

*Pk	id	bigserial	
	exc_issues_ids	varchar(3000)	
	exceptions_list	varchar(400000)	
	num_all_issues	integer	
	num_exc_issues	integer	
	num_stack_issues	integer	
	repo	varchar(400)	
	stack_traces_str	varchar(5000000)	
	stacks_issues_ids	varchar(3000)	
Indexes			
Pk	exceptionalissuereport_pkey	id	

Table exceptionalissuereport_exceptionalissue

*	exceptionalissuereport_id	bigint	
*Unq	exc_issues_id	bigint	
Indexes			
Unq	exceptionalissuereport_exceptionalissue_exc_issues_id_key	exc_issues_id	
Foreign Keys			
	fk4f8488ee30afe171 (exc_issues_id) ref exceptionalissue (id)		
	fk4f8488ee84095c0c (exceptionalissuereport_id) ref exceptionalissuereport (id)		

Table exceptionalissuereport_minedexception			
*Pk	exceptionalissuereport_id	bigint	
*Pk	mined_exceptions_id	integer	
Indexes			
Pk	exceptionalissuereport_minedexception_pkey	exceptionalissuereport_id, mined_exceptions_id	
Foreign Keys			
	fkbe9ac44a97156bd1 (exceptionalissuereport_id) ref exceptionalissuereport (id)		
	fkbe9ac44a7eb372bd (mined_exceptions_id) ref minedexception (id)		

Table fixingcommit_buggycommit			
*Pk	fixingcommit_id	bigint	
*Pk	buggycommit_id	bigint	
Indexes			
Pk	fixingcommit_buggycommit_pkey	fixingcommit_id, buggycommit_id	
Foreign Keys			
	fkfda6d682752bc644 (fixingcommit_id) ref commit (id)		
	fkfda6d682baab9fab (buggycommit_id) ref commit (id)		

Table ghtorrentissue			
*Pk	id	bigserial	
	body	varchar(585760)	
	comment_url	varchar(255)	
	html_url	varchar(255)	
	id_mongo	integer	
	lables	varchar(300)	
	num_comments	integer	
	num_recovered_comments	integer	
	number	integer	
	repo	varchar(100)	
	title	varchar(300)	
	url	varchar(255)	
Indexes			
Pk	ghtorrentissue_pkey	id	

Table ghtorrentissue_exception			
*Pk	ghtorrentissue_id	bigint	
*Pk	exceptions_id	integer	
Indexes			

Table ghtorrentissue_exception			
Pk	ghtorrentissue_exception_pkey	ghtorrentissue_id, exceptions_id	
Foreign Keys			
	fk79a75b5a268b292e (exceptions_id)	ref exception (id)	
	fk79a75b5a2cdecf51 (ghtorrentissue_id)	ref ghtorrentissue (id)	

Table ghtorrentissue_ghtorrentissuecomment			
*	ghtorrentissue_id	bigint	
*Un q	comments_id	bigint	
Indexes			
Unq	ghtorrentissue_ghtorrentissuecommen t_comments_id_key	comments_id	
Foreign Keys			
	fk486ce8802cdecf51 (ghtorrentissue_id)	ref ghtorrentissue (id)	
	fk486ce88067c14f64 (comments_id)	ref ghtorrentissuecomment (id)	

Table ghtorrentissuecomment			
*Pk	id	bigserial	
	body	varchar(10485760)	
	id_mongo	integer	
	issue_id	integer	
	repo	varchar(100)	
	url	varchar(500)	
Indexes			
Pk	ghtorrentissuecomment_pkey	id	

Table issueactivity			
*Pk	id	bigint	
	author	varchar(10485760)	
	authorname	varchar(255)	
	date	timestamp	
	issue_id	numeric(19,2)	
	newvalue	varchar(10485760)	
	oldvalue	varchar(10485760)	
	what	varchar(10485760)	
Indexes			
Pk	issueactivity_pkey	id	

Table issuecontents			
*Pk	id	bigint	
	assigned_to	varchar(10485760)	
*	bugcommentslinked	bool	
	bug_id	varchar(10485760)	
	bug_severity	varchar(10485760)	
	bug_status	varchar(10485760)	
*	commitmessagelinked	bool	
	component	varchar(255)	
	creationdate	timestamp	
	description	varchar(10485760)	
*	insideprediction	bool	
	issue_type	varchar(10485760)	
	lastupdatedate	timestamp	
	op_sys	varchar(10485760)	
	priority	varchar(10485760)	
	product	varchar(255)	
	release	varchar(10485760)	
	releasedate	timestamp	
	releasedelay	integer	
	releasedelayfromfix	integer	
	reporter	varchar(255)	
	reporteralias	varchar(255)	
	resolution	varchar(10485760)	
	short_desc	varchar(10485760)	
	target_milestone	varchar(255)	
	whiteboard	varchar(10485760)	
	fixdate	timestamp	
	resolver	varchar(255)	
Indexes			
Pk	issuecontents_pkey	id	

Table issuecontents_affectedversions			
*Pk	issuecontents_id	bigint	
*Pk	affectedversions	varchar(10485760)	
Indexes			
Pk	pk	issuecontents_id, affectedversions	
Foreign Keys			
	fk240738fba2eea023 (issuecontents_id) ref issuecontents (id)		

Table issuecontents_comments			
*	issuecontents_id	bigint	
	comments	varchar(10485760)	
Foreign Keys			
	fkfc9681c0a2eea023 (issuecontents_id) ref issuecontents (id)		

Table issuecontents_mercurialcommit			
*	issuecontents_id	bigint	
*	mercurialcommits_id	bigint	
Foreign Keys			
	fk3bb1c7d9a2eea023 (issuecontents_id) ref issuecontents (id)		
	fk3bb1c7d9f3b0c13a (mercurialcommits_id) ref mercurialcommit (id)		

Table issuecontents_revisions			
*	issuecontents_id	bigint	
	revisions	bigint	
Foreign Keys			
	fk7819aca2eea023 (issuecontents_id) ref issuecontents (id)		

Table jiraissue			
*Pk	id	bigserial	
	creationdate	timestamp	
	description	varchar(485760)	
	issuetype	varchar(50)	
	key	varchar(255)	
	priority	varchar(15)	
	projectid	varchar(50)	
	projectname	varchar(255)	
	resolution	varchar(100)	
	status	varchar(40)	
	summary	varchar(255)	
Indexes			
Pk	jiraissue_pkey	id	

Table jiraissue_exception			
*Pk	jiraissue_id	bigint	
*Pk	exceptions_id	integer	
Indexes			
Pk	jiraissue_exception_pkey	jiraissue_id, exceptions_id	

Table jiraissue_exception			
Foreign Keys			
	fk6b7cbe9b268b292e (exceptions_id)	ref exception (id)	
	fk6b7cbe9b5760c563 (jiraissue_id)	ref jiraissue (id)	

Table jiraissue_jiraissuecomment			
*	jiraissue_id	bigint	
*Unq	listofcomment_id	bigint	
Indexes			
Unq	jiraissue_jiraissuecomment_listofcomment_id_key	listofcomment_id	
Foreign Keys			
	fk41092485760c563 (jiraissue_id)	ref jiraissue (id)	
	fk410924828e5b1fb (listofcomment_id)	ref jiraissuecomment (id)	

Table jiraissuecomment			
*Pk	id	bigserial	
	commentdate	timestamp	
	text	varchar(10485760)	
Indexes			
Pk	jiraissuecomment_pkey	id	

Table linkedissuegit			
	project	varchar	
	bug_id	varchar	
	buggy_revision	varchar	
	fixed_revision	varchar	
	fixed_revision_2	varchar	
	bic_revision	varchar	
	obs1	varchar	
	obs2	varchar	

Table linkedissuessvn			
*	svn_entry_id	integer	
Idx	issuecode	varchar	
Idx	revisionnumber	varchar	
	author	varchar	
	commitdate	varchar	
	commitmessage	varchar	

Table linkedissuessvn			
*	issueid	integer	
	projectname	varchar	
	issueurl	varchar	
	issuetype	varchar	
	issuepriority	varchar	
	status	varchar(255)	
	resolution	varchar(255)	
	assignee	varchar(255)	
	reporter	varchar(255)	
	title	varchar	
	summary	varchar	
	description	varchar	
	environment	varchar	
	labels	varchar	
	createddate	varchar(255)	
	updateddate	varchar(255)	
	resolveddate	varchar(255)	
	datasetversion	varchar(255)	
	fixversion	varchar(255)	
	due	varchar(255)	
	votes	varchar(255)	
	watches	varchar(255)	
	keyid	varchar(300)	
	keyvalue	varchar(300)	
	timeoriginalestimate	varchar(500)	
	timeestimate	varchar(500)	
	component	varchar	
	buildinfoversion	varchar(100)	
	buildnumber	varchar(150)	
	builddate	varchar(150)	
	issample	bool	
Indexes			
	INDEX_ISSUECODE	issuecode	
	INDEX_REVISIONNUMBER	revisionnumber	

Table mercurialcommit			
*Pk	id	bigint	
*	additions	integer	

Table mercurialcommit			
	branch	varchar(10485760)	
	changeset	varchar(10485760)	
	changesetnumber	varchar(10485760)	
	date	timestamp	
*	deletions	integer	
*	isfix	bool	
	revision	varchar(10485760)	
	summary	varchar(10485760)	
	author	varchar(10485760)	
Indexes			
Pk	mercurialcommit_pkey	id	

Table mercurialcommit_files			
*	mercurialcommit_id	bigint	
	files	varchar(10485760)	
Foreign Keys			
	fk19b4f6ddad7b7ca3 (mercurialcommit_id) ref mercurialcommit (id)		

Table minedexception			
*Pk	id	serial	
Unq	name	varchar(255)	
Indexes			
Pk	minedexception_pkey	id	
Unq	minedexception_name_key	name	

Table minedstacktrace			
*Pk	id	bigserial	
	clean_trace	varchar(30000)	
	issue_id	bigint	
	repo	varchar(100)	
	root_cause	varchar(3000)	
	trace	varchar(30000)	
Indexes			
Pk	minedstacktrace_pkey	id	

Table path			
*Pk	id	bigint	
*	revision	bigint	

Table path			
Indexes			
Pk	path_pkey	id	

Table reldiffresult			
Idx	revision	varchar	
Idx	project	varchar	
	summary	varchar	
	refactoringtype	varchar	
	entitybefore	varchar	
	entityafter	varchar	
	elementtype	varchar	
	callers	bigint	
	afterstartline	bigint	
	afterendline	bigint	
	afterpathfile	varchar	
	beforestartline	bigint	
	beforeendline	bigint	
	beforepathfile	varchar	
	aftersimplename	varchar	
	aftercontent	text	
	afterstartscope	bigint	
	revisiontype	varchar	
	issample	bool	
	afternestinglevel	bigint	
	beforestartscope	bigint	
	beforestimplename	varchar	
	beforecontent	text	
	beforenestinglevel	bigint	
	tool	varchar	
Indexes			
	INDEX_PROJ_REFAC	project	
	INDEX_REV_REFDIFF	revision	

Table release			
*Pk	id	bigint	
	previous	varchar(255)	
	project	varchar(255)	
*	rapid	bool	

Table release			
	releasedate	timestamp	
	version	varchar(255)	
Indexes			
Pk	release_pkey	id	

Table release_issuecontents			
*	release_id	bigint	
*	prenoticedeventuallyfixedbugs_id	bigint	
*	prenoticedbugs_id	bigint	
*	postreleasebugs_id	bigint	
*	eventuallyfixedbugs_id	bigint	
Foreign Keys			
	fk488ae09b151bcf36 (eventuallyfixedbugs_id) ref issuecontents (id)		
	fk488ae09b265a8e6e (prenoticedbugs_id) ref issuecontents (id)		
	fk488ae09b3b3601d0 (postreleasebugs_id) ref issuecontents (id)		
	fk488ae09baa80b6ff (prenoticedeventuallyfixedbugs_id) ref issuecontents (id)		
	fk488ae09bfc5a0643 (release_id) ref release (id)		

Table szz_project_lastrevisionprocessed			
	project	varchar	project from apache
	lastrevisionprocessed	varchar	last revision that was processed by the project

Table szz_refac_revisionprocessed			
	revision	varchar	
	project	varchar	
	tool	varchar	

Table wordoccurrence			
*Pk	id	bigint	
	bug_id	varchar(255)	
	clazz	varchar(255)	
	occurrences	integer	
	word	varchar(10485760)	
Indexes			
Pk	wordoccurrence_pkey	id	

View l_szz

```
SELECT bicraszz.linenumbr,    bicraszz.path,    bicraszz.content,    bicraszz.project,    bicraszz.szz_date,    bicraszz.copypath,    bicraszz.
copyrevision,    bicraszz.mergerev,    bicraszz.branchrev,    bicraszz.changeproperty,    bicraszz.missed,    bicraszz.furtherback,    bicraszz.contentdiff,
    bicraszz.issample,    bicraszz.diffjmessage,    bicraszz.diffjlocation,    bicraszz.refdiffindex,    bicraszz.adjustmentindex,    bicraszz.indexposrefac,
bicraszz.indexfurtherback,    bicraszz.indexchangeopath,    bicraszz.isrefac,    bicraszz.revision,    bicraszz.fixrevision,    bicraszz.islargest,    bicraszz.
islatest FROM bicraszz WHERE (bicraszz.islargest = true);
```

View r_szz

```
SELECT bicraszz.linenumbr,    bicraszz.path,    bicraszz.content,    bicraszz.project,    bicraszz.szz_date,    bicraszz.copypath,    bicraszz.
copyrevision,    bicraszz.mergerev,    bicraszz.branchrev,    bicraszz.changeproperty,    bicraszz.missed,    bicraszz.furtherback,    bicraszz.contentdiff,
    bicraszz.issample,    bicraszz.diffjmessage,    bicraszz.diffjlocation,    bicraszz.refdiffindex,    bicraszz.adjustmentindex,    bicraszz.indexposrefac,
bicraszz.indexfurtherback,    bicraszz.indexchangeopath,    bicraszz.isrefac,    bicraszz.revision,    bicraszz.fixrevision,    bicraszz.islargest,    bicraszz.
islatest FROM bicraszz WHERE (bicraszz.islatest = true);
```

View revision_count

```
SELECT bic.revision,    bic.fixrevision,    lsvn.issuecode,    count(DISTINCT bic.content) AS size FROM (bicraszz bic JOIN linkedissuessvn
lsvn ON (((bic.fixrevision)::bigint = (lsvn.revisionnumber)::bigint))) GROUP BY bic.revision, bic.fixrevision, lsvn.issuecode;
```