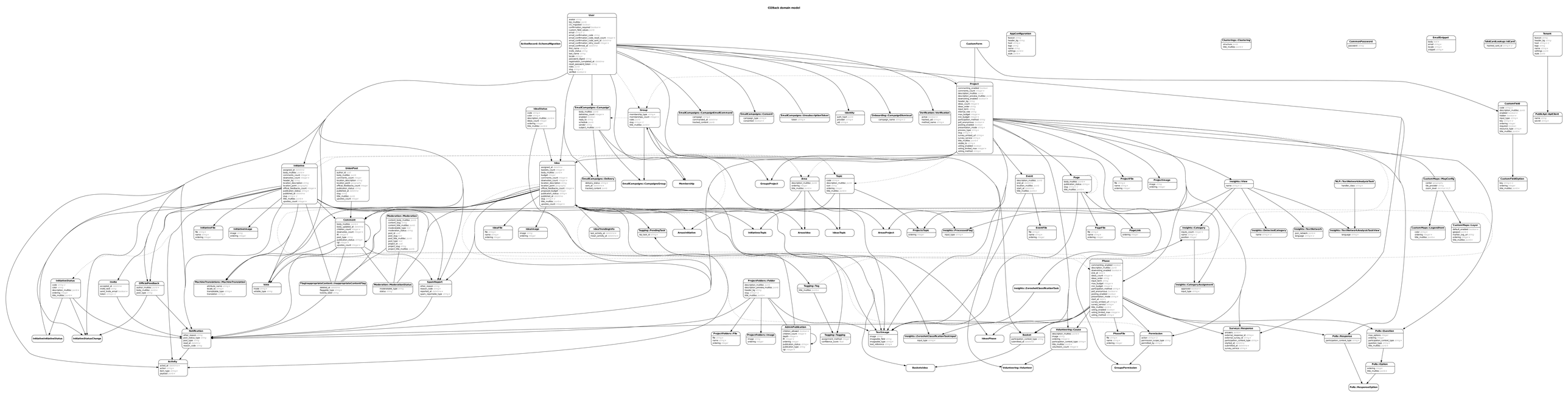C12Back domain model