Magento Commerce to Open Source Downgrade

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Articles, tools and notes of interest

FireBear blog post

This blog post on firebearstudio.com covers quite a few of the technical aspects of downgrading from Commerce to Open Source with code examples and links to tools to help in the process. Not really a complete solution as it doesn't even contain steps to update composer.json, but combined with others guides, probably provides additional required steps.

https://firebearstudio.com/blog/how-to-downgrade-magento-2-commerce-to-open-source.html

Required steps

The blog post breaks down the required steps as follows.

OpenGento Database downgrade

https://github.com/opengento/magento2-downgrade-ee-ce

This tool says that it *allows to downgrade the database schema without altering the data*. The suggestion is that since Magento 2.3 and the use of declarative schema for database changes this tool is not a requirement, however the 'old' way of running database

upgrades is still supported and a number of modules in our install use them, so I would suggest it's still a requirement to use this tool in this case.

Remove Commerce related files

The post suggests removing a number of Commerce related files, but this only needs to be done in this case if the files have been added under app/code/ otherwise they will automatically be removed by the composer downgrade.

Remove Commerce attributes

The suggestion here is that if you don't remove a couple of attributes you are no longer able to create a new product.

Fix URL indexes

I believe the suggestions here is that you need to make changes to product URL keys to be able to reindex under Open Source. Not convinced this step would be required - needs testing by attempting to reindex before this step and if it fails after this step.

MagePsycho blog post

This post seems to have some more logical steps required in downgrading

https://blog.magepsycho.com/migrate-downgrade-magento-2-from-enterprise-to-community-edition/

Required steps

The required steps are shown as follows.

Update composer

The obvious change of updating composer requirements to use Open Source rather than Commerce

Disable Commerce modules

Need to identify and disable Commerce only modules.

Remove module setup DB entries

Not convinced this is required and perhaps arguably should be left in on the off chance that the store needs to move back to Commerce edition in the future, but this step covers removing Commerce related entries in the the setup_module DB table.

Notes about blog posts

Neither of these posts are particularly extensive and rather simplistic compared to what is likely to actually going be required. Really they just cover the steps required to move from a clean Commerce install (i.e. no third party or local extensions, and no data from

Commerce functionality being used) to a clean Open Source. In that case the steps here are probably pretty much the sum total of what is required, but I think the main challenge for us is going to be moving across data from Commerce DB tables to replacement third party/custom modules while retaining access to historical data.

Another note is that the downgrade DB tool looks to remove Commerce related DB tables as well as making other changes to the database. I would suggest that we don't want to remove these Commerce DB tables until later down the line when the Open Source downgrade has been working correctly for some time and instead have a likely somewhat manual process to move data from these tables across into equivalent columns of third party replacement extensions.

We also need to consider custom extensions which have dependencies on Commerce extensions. We will need to identify commerce extensions and see which custom extensions have dependencies against them.

Our downgrade requirements

This sections attempts to compile and summarise our downgrade requirements before breaking down into more detailed information including how specifically to move data between Commerce tables and replacement functionality tables.

Functionality to be replaced

All Commerce extensions

The following extensions contain LICENSE_EE.txt files so are anticipated to be removed when downgrading to Open Source:

magento2-b2b-base

magento2-ee-base

module-admin-gws

module-admin-gws-configurable-product

module-admin-gws-staging

module-advanced-catalog

module-advanced-checkout

module-advanced-rule

module-advanced-sales-rule

module-b2b

module-banner

module-banner-customer-segment

module-banner-page-builder

module-banner-page-builder-analytics

module-bundle-import-export-staging

module-bundle-negotiable-quote

module-bundle-requisition-list

module-bundle-shared-catalog

module-bundle-staging

module-catalog-event

module-catalog-import-export-staging

module-catalog-inventory-staging

module-catalog-page-builder-analytics

module-catalog-page-builder-analytics-staging

module-catalog-permissions

module-catalog-rule-staging

module-catalog-staging

module-catalog-staging-page-builder

module-catalog-url-rewrite-staging

module-checkout-address-search

module-checkout-address-search-gift-registry

module-checkout-address-search-negotiable-quote

module-checkout-agreements-negotiable-quote

module-checkout-staging

module-cms-page-builder-analytics

module-cms-page-builder-analytics-staging

module-cms-staging

module-company

module-company-credit

module-company-payment

module-company-shipping

module-configurable-negotiable-quote

module-configurable-product-staging

module-configurable-requisition-list

module-configurable-shared-catalog

module-custom-attribute-management

module-customer-balance

module-customer-custom-attributes

module-customer-finance

module-customer-segment

module-downloadable-staging

module-elasticsearch-catalog-permissions

module-enterprise

module-gift-card

module-gift-card-account

module-gift-card-negotiable-quote

module-gift-card-requisition-list

module-gift-card-shared-catalog

module-gift-card-staging

module-gift-message-staging

module-gift-registry

module-gift-wrapping

module-gift-wrapping-staging

module-google-optimizer-staging

module-google-tag-manager

module-grouped-product-staging

module-grouped-requisition-list

module-grouped-shared-catalog

module-invitation

module-layered-navigation-staging

module-logging

module-login-as-customer-logging

module-login-as-customer-website-restriction

module-media-content-catalog-staging

module-msrp-staging

module-multiple-wishlist

module-negotiable-quote

module-negotiable-quote-shared-catalog

module-negotiable-quote-weee

module-order-history-search

module-page-builder

module-page-builder-admin-analytics

module-page-builder-analytics

module-payment-staging

module-persistent-history

module-price-permissions

module-product-video-staging

module-promotion-permissions

module-purchase-order

module-purchase-order-rule

module-quick-order

module-quote-gift-card-options

module-reminder

module-requisition-list

module-resource-connections

module-review-staging

module-reward

module-reward-staging

module-rma

module-rma-staging

module-sales-archive

module-sales-rule-staging

module-scalable-checkout

module-scalable-inventory

module-scalable-oms

module-scheduled-import-export

module-search-staging

module-shared-catalog

module-staging

module-staging-page-builder

module-support

module-swat

module-target-rule

module-target-rule-graph-ql

module-tinymce-3-banner

module-versions-cms

module-versions-cms-url-rewrite

module-website-restriction

module-weee-staging

Commerce extensions we are using

I believe these are the Commerce extensions we are actively using, many with relating DB data.

References:

https://docs.magento.com/user-guide/quick-tour/b2b-quick-start.html

https://magento.com/products/magento-commerce-features

https://devdocs.magento.com/guides/v2.4/mrg/intro.html

module-b2b

This modules includes functionality in other Commerce extensions on the list:

module-company

module-company-credit

module-company-payment

module-company-shipping

module-quick-order

module-requisition-list

module-bundle-requisition-list

module-configurable-requisition-list

module-gift-card-requisition-list

module-grouped-requisition-list

Other

module-banner

module-banner-customer-segment

module-banner-page-builder

module-page-builder

module-rma

module-tinymce-3-banner

module-sales-archive

Commerce extensions we are not using

These are the Commerce extensions I don't think we are using. Some of these assumptions are based on transactional capabilities having been removed from the frontend.

module-b2b

module-shared-catalog

module-bundle-shared-catalog

module-configurable-shared-catalog

module-gift-card-shared-catalog

module-grouped-shared-catalog

module-negotiable-quote-shared-catalog

module-bundle-negotiable-quote

module-checkout-address-search-negotiable-quote

module-checkout-agreements-negotiable-quote

module-configurable-negotiable-quote

module-gift-card-negotiable-quote

module-negotiable-quote

module-negotiable-quote-weee

module-quote-gift-card-options

module-purchase-order

module-purchase-order-rule

Other

module-advanced-catalog

module-advanced-checkout

module-advanced-rule

module-advanced-sales-rule

module-bundle-import-export-staging

module-bundle-staging

module-catalog-import-export-staging

module-catalog-inventory-staging

module-catalog-page-builder-analytics-staging

module-catalog-rule-staging

module-catalog-staging

module-catalog-staging-page-builder

module-catalog-url-rewrite-staging

module-checkout-staging

module-cms-page-builder-analytics-staging

module-cms-staging

module-configurable-product-staging

module-downloadable-staging

module-gift-card-staging

module-gift-message-staging

module-gift-wrapping-staging

module-google-optimizer-staging

module-grouped-product-staging

module-layered-navigation-staging

module-media-content-catalog-staging

module-msrp-staging

module-payment-staging

module-product-video-staging

module-review-staging

module-reward-staging

module-rma-staging

module-sales-rule-staging

module-search-staging

module-staging

module-staging-page-builder

module-weee-staging

module-admin-gws-staging

module-banner-page-builder-analytics

module-admin-gws

module-admin-gws-configurable-product

module-catalog-event

module-catalog-page-builder-analytics

module-catalog-permissions

module-checkout-address-search

module-checkout-address-search-gift-registry

module-cms-page-builder-analytics

module-custom-attribute-management

module-customer-balance

module-customer-custom-attributes

module-customer-finance

module-customer-segment

module-elasticsearch-catalog-permissions

module-enterprise

module-gift-card

module-gift-card-account

module-gift-registry

module-gift-wrapping

module-google-tag-manager

module-invitation

module-logging

module-login-as-customer-logging

module-login-as-customer-website-restriction

module-multiple-wishlist

module-order-history-search

module-page-builder-admin-analytics

module-page-builder-analytics

module-persistent-history

module-price-permissions

module-promotion-permissions

module-reminder

module-resource-connections

module-reward

module-scalable-checkout

module-scalable-inventory

module-scalable-oms

module-scheduled-import-export

module-support

module-swat

module-target-rule

module-target-rule-graph-ql

module-versions-cms

module-versions-cms-url-rewrite

module-website-restriction

Third party alternatives

The above list showing Commerce modules we do currently use gives the following functionality that needs to be replaced by third party/custom build alternatives.

B2B

To my mind much of the functionality given in Commerce is not actually going to be needed with transactional capabilities removed. What is essentially needed is a means to port existing company setup, user hierarchy within each company, and data each user has access to. Much of the other B2B functionality such as credit, quick order and requisition lists is probably not going to be needed.

So primarily company functionality is what is needed.

Replacement options:

https://marketplace.magento.com/aheadworks-module-ca.html

https://amasty.com/b2b-company-account-for-magento-2.html

Both the Amasty and Aheadworks extensions look like a good fit functionality wise to replace Commerce B2B company functionality.

Possibly helpful extensions:

https://marketplace.magento.com/firebear-importexport.html

combined with

https://marketplace.magento.com/firebear-importexport-b2b.html

allows import/exporting of Commerce B2B data including companies. Potentially may be of some use getting data out in a usable format, but will only I believe import back into the Commerce modules. So for the price perhaps not worthwhile, but a consideration none the less.

Banner (not actually used, see additional notes below)

I believe that banner functionality is used but suspect this might be one that could be lived without if a suitable replacement cannot be found (but it's probably unlikely there is no replacement).

Replacement options:

Do we actually need a replacement here or is the Amasty banners module enough?

Page builder (not actually used, see additional notes below)

My understanding is that page builder functionality is used regularly? It would be good to find a replace with functionality that approximates what the Commerce version gives.

Replacement options:

This aheadworks extension requires an ongoing subscription starting at $39 per month.

https://marketplace.magento.com/aheadworks-module-buildify.html

This is a completely open source option, worth looking at. Installable via composer.

https://magesuite.io/

https://github.com/magesuite/magesuite

This shogun extension requires an ongoing subscription starting at $49 per month.

https://marketplace.magento.com/shogun-labs-module-shogun-page-builder.html

There are also other options here (zmags and styla), but the suggestion from this guide is that there is a pretty extortionate monthly cost ($1000+ per month).

https://paulnrogers.com/magento-page-builder-alternatives/

RMA

I would suggest this might be the one which is hardest to replace as core functionality is not particularly solid in Commerce anyway. It would be a good idea to attempt to find an extension which calls itself a drop in replacement for the Commerce module (if such a thing exists). If this is possible, the replacement may even be able to work with the same database tables, or import existing returns data.

Replacement options:

There are lots of options here, likely all of which have comparable functionality. I have listed the options from more well known developers, and from developers I have had generally good experiences with.

https://marketplace.magento.com/amasty-rma.html

https://aheadworks.com/rma-extension-for-magento-2

https://marketplace.magento.com/mage-delight-rma.html

https://marketplace.magento.com/mirasvit-module-rma.html

https://marketplace.magento.com/neklo-rma.html

Sales archive (may not be needed see additional notes below)

With sales data all being in flat tables, moving Commerce data across will hopefully be relatively straightforward. I haven't been able to find any extensions saying they archive invoices, shipments or credit memos, but it's possible they consider this data as part of the order and do archive them.

Replacement options:

The 2.4 versions of these extensions don't appear to be on marketplace at the time of writing (only 2.3).

https://www.mageplaza.com/magento-2-order-archive/

This aitoc extension is free, but I would like to look at the code base if you want to go with this one – historically (mainly on M1) my experience of the build quality of aitoc extensions hasn't always been the best, mainly doing weird things around licensing. Hopefully a non issue with a free extension.

https://www.aitoc.com/magento-2-delete-orders.html

Steps to move Commerce DB data across to replacement extension DB structure

As none of the extensions to replace Commerce functionality are open source, there is no means by which to look at the database table setup for these replacement modules and compare them to the Commerce tables. It probably makes the most sense to pick the extensions which are the best fit functionality wise, and then look at how to move existing data across. If functionality looks comparable in the replacement extensions then I think there is a good chance that all required data will be able to be moved across from Commerce tables successfully. Failing that, there is always the option of customising extensions that need it.

Additional notes from discussion on 11/02

Replacement extensions

As discussed on the recent call:

- It was confirmed that the only B2B related functionality required is really just company structure and being able to set company permissions.

- Banner – this is not actually used so no replacement needed.

- Page builder – again not used so no replacement needed

- Sales archive – only used for performance reasons, may well not be needed. The plan is to turn off under archiving on Commerce before the downgrade to move all data back to the flat tables, then test performance and see if archiving is actually needed.

Additional requirements

Admin action logging

To better meet InfoSec requirements, an extension to log admin actions is required. Not currently used so no requirement to move any existing data anywhere.

API access

We need to ensure third party extensions, particularly around RMA have API calls available to control them.

Other notes

- It was decided to opt for Amasty modules wherever available as replacements to Commerce functionality.

- The list of modules that are not used above has been checked and seems accurate.

- Amasty modules for companies and returns have been purchased.

- The plan is to remove all Commerce related tables from the database but keep a dump to be used for moving across the required Commerce data to third party extension, and as a backup until such time as the downgraded environment has been proven to be working well with the data moved across.

Database analysis

An analysis of Commerce/B2B extensions vs Open Source shows that some Commerce extensions not only create new database tables, but also edit existing ones, primarily to add new columns. Changes to alter database tables that are not created by the module are ignored here, as removing these changes as well is likely to prove problematic, particularly as some column changes introduce key constraints.

It's possible that removal of all Commerce related tables may not be straightforward or even practical, again primarily due to key constraints.

Actual modules specific to Commerce/B2B

Package diff after composer downgrade

All Commerce/B2B specific

framework-foreign-key

magento2-b2b-base

magento2-ee-base

module-admin-gws

module-admin-gws-configurable-product

module-admin-gws-staging

module-advanced-catalog

module-advanced-checkout

module-advanced-rule

module-advanced-sales-rule

module-aws-s3-customer-custom-attributes

module-aws-s3-page-builder

module-b2b

module-banner

module-banner-customer-segment

module-banner-page-builder

module-banner-page-builder-analytics

module-bundle-import-export-staging

module-bundle-negotiable-quote

module-bundle-requisition-list

module-bundle-requisition-list-graph-ql

module-bundle-shared-catalog

module-bundle-staging

module-catalog-event

module-catalog-import-export-staging

module-catalog-inventory-staging

module-catalog-page-builder-analytics

module-catalog-page-builder-analytics-staging

module-catalog-permissions

module-catalog-permissions-graph-ql

module-catalog-rule-staging

module-catalog-staging

module-catalog-staging-graph-ql

module-catalog-staging-page-builder

module-catalog-url-rewrite-staging

module-checkout-address-search

module-checkout-address-search-gift-registry

module-checkout-address-search-negotiable-quote

module-checkout-agreements-negotiable-quote

module-checkout-agreements-purchase-order

module-checkout-staging

module-cms-page-builder-analytics

module-cms-page-builder-analytics-staging

module-cms-staging

module-company

module-company-credit

module-company-credit-graph-ql

module-company-graph-ql

module-company-payment

module-company-shipping

module-configurable-negotiable-quote

module-configurable-product-staging

module-configurable-requisition-list

module-configurable-requisition-list-graph-ql

module-configurable-shared-catalog

module-custom-attribute-management

module-customer-balance

module-customer-balance-graph-ql

module-customer-custom-attributes

module-customer-finance

module-customer-segment

module-downloadable-requisition-list-graph-ql

module-downloadable-staging

module-elasticsearch-catalog-permissions

module-enterprise

module-gift-card

module-gift-card-account

module-gift-card-account-graph-ql

module-gift-card-graph-ql

module-gift-card-import-export

module-gift-card-negotiable-quote

module-gift-card-requisition-list

module-gift-card-requisition-list-graph-ql

module-gift-card-shared-catalog

module-gift-card-staging

module-gift-message-staging

module-gift-registry

module-gift-wrapping

module-gift-wrapping-graph-ql

module-gift-wrapping-staging

module-google-optimizer-staging

module-google-tag-manager

module-grouped-product-staging

module-grouped-requisition-list

module-grouped-shared-catalog

module-invitation

module-layered-navigation-staging

module-logging

module-login-as-customer-logging

module-login-as-customer-website-restriction

module-media-content-catalog-staging

module-msrp-staging

module-multiple-wishlist

module-multiple-wishlist-graph-ql

module-negotiable-quote

module-negotiable-quote-shared-catalog

module-negotiable-quote-weee

module-order-history-search

module-page-builder

module-page-builder-admin-analytics

module-page-builder-analytics

module-payment-staging

module-paypal-purchase-order

module-persistent-history

module-price-permissions

module-product-video-staging

module-promotion-permissions

module-purchase-order

module-purchase-order-rule

module-quick-order

module-quote-gift-card-options

module-re-captcha-company

module-reminder

module-remote-storage-commerce

module-requisition-list

module-requisition-list-graph-ql

module-resource-connections

module-review-staging

module-reward

module-reward-graph-ql

module-reward-staging

module-rma

module-rma-graph-ql

module-rma-staging

module-sales-archive

module-sales-rule-staging

module-scalable-checkout

module-scalable-inventory

module-scalable-oms

module-scheduled-import-export

module-search-staging

module-staging

module-staging-graph-ql

module-staging-page-builder

module-shared-catalog

module-shared-catalog-graph-ql

module-support

module-swat

module-target-rule

module-target-rule-graph-ql

module-tinymce-3-banner

module-versions-cms

module-versions-cms-url-rewrite

module-versions-cms-url-rewrite-graph-ql

module-visual-merchandiser

module-website-restriction

module-weee-staging

module-wishlist-gift-card

Extensions which create database tables

module-advanced-sales-rule

magento_salesrule_filter

module-banner

magento_banner

magento_banner_content

magento_banner_catalogrule

magento_banner_salesrule

module-banner-customer-segment

magento_banner_customersegment

module-catalog-event

magento_catalogevent_event

magento_catalogevent_event_image

module-catalog-permissions

magento_catalogpermissions

magento_catalogpermissions_index

magento_catalogpermissions_index_product

magento_catalogpermissions_index_product_replica

magento_catalogpermissions_index_tmp

magento_catalogpermissions_index_product_tmp

magento_catalogpermissions_index_replica

module-checkout-staging

quote_preview

module-company

company

company_team

company_structure

company_advanced_customer_entity

company_roles

company_user_roles

company_permissions

company_order_entity

module-company-credit

company_credit

company_credit_history

module-company-payment

company_payment

module-company-shipping

company_shipping

module-customer-balance

magento_customerbalance

magento_customerbalance_history

module-customer-custom-attributes

magento_customercustomattributes_sales_flat_order

magento_customercustomattributes_sales_flat_order_address

magento_customercustomattributes_sales_flat_quote

magento_customercustomattributes_sales_flat_quote_address

module-customer-segment

magento_customersegment_segment

magento_customersegment_website

magento_customersegment_customer

magento_customersegment_event

module-gift-card

magento_giftcard_amount

module-gift-card-account

magento_giftcardaccount

magento_giftcardaccount_pool

magento_giftcardaccount_history

module-gift-registry

magento_giftregistry_type

magento_giftregistry_type_info

magento_giftregistry_label

magento_giftregistry_entity

magento_giftregistry_item

magento_giftregistry_person

magento_giftregistry_data

magento_giftregistry_item_option

module-gift-wrapping

magento_giftwrapping

magento_giftwrapping_store_attributes

magento_giftwrapping_website

module-invitation

magento_invitation

magento_invitation_status_history

magento_invitation_track

module-logging

magento_logging_event

magento_logging_event_changes

module-negotiable-quote

negotiable_quote

negotiable_quote_company_config

negotiable_quote_grid

negotiable_quote_comment

negotiable_quote_comment_attachment

negotiable_quote_history

negotiable_quote_item

negotiable_quote_purged_content

module-page-builder

pagebuilder_template

module-purchase-order

purchase_order

purchase_order_approved_by

purchase_order_log

purchase_order_comment

purchase_order_company_config

module-purchase-order-rule

purchase_order_rule

purchase_order_rule_approver

purchase_order_rule_applies_to

purchase_order_applied_rule

purchase_order_applied_rule_approver

module-reminder

magento_reminder_rule

magento_reminder_rule_website

magento_reminder_template

magento_reminder_rule_coupon

magento_reminder_rule_log

module-requisition-list

requisition_list

requisition_list_item

module-reward

magento_reward

magento_reward_history

magento_reward_rate

magento_reward_salesrule

module-rma

magento_rma

magento_rma_grid

magento_rma_status_history

magento_rma_item_entity

magento_rma_item_eav_attribute

magento_rma_item_entity_datetime

magento_rma_item_entity_decimal

magento_rma_item_entity_int

magento_rma_item_entity_text

magento_rma_item_entity_varchar

magento_rma_item_form_attribute

magento_rma_item_eav_attribute_website

module-sales-archive

magento_sales_order_grid_archive

magento_sales_invoice_grid_archive

magento_sales_creditmemo_grid_archive

magento_sales_shipment_grid_archive

module-scheduled-import-export

magento_scheduled_operations

module-staging

staging_update

module-shared-catalog

shared_catalog

shared_catalog_product_item

sharedcatalog_category_permissions

module-support

support_backup

support_backup_item

support_report

module-target-rule

magento_targetrule

magento_targetrule_customersegment

magento_targetrule_product

magento_targetrule_index

magento_targetrule_index_related

magento_targetrule_index_upsell

magento_targetrule_index_crosssell

magento_targetrule_index_crosssell_product

magento_targetrule_index_related_product

magento_targetrule_index_upsell_product

module-versions-cms

magento_versionscms_increment

magento_versionscms_hierarchy_node

magento_versionscms_hierarchy_metadata

magento_versionscms_hierarchy_lock

module-visual-merchandiser

visual_merchandiser_rule

Modules with data we want to retain in third party alternatives

These are the tables which we likely to need to port all data from to third party alternatives.

module-company

company

company_team

company_structure

company_advanced_customer_entity

company_roles

company_user_roles

company_permissions

company_order_entity

module-company-credit

company_credit

company_credit_history

module-company-payment

company_payment

module-company-shipping

company_shipping

module-rma

magento_rma

magento_rma_grid

magento_rma_status_history

magento_rma_item_entity

magento_rma_item_eav_attribute

magento_rma_item_entity_datetime

magento_rma_item_entity_decimal

magento_rma_item_entity_int

magento_rma_item_entity_text

magento_rma_item_entity_varchar

magento_rma_item_form_attribute

magento_rma_item_eav_attribute_website

There are also 2 other extensions which have a company related table each, but as we don't need the functionality of these extensions the tables can likely be ignored for the sake of retaining data. They only appear to contain configuration of whether negotiable quote and purchase order functionality Is available to a particular company

module-negotiable-quote

negotiable_quote_company_config

module-purchase-order

purchase_order_company_config

Database tables that can be removed

The rest of the Commerce/B2B related tables should be removed. It would better to be able to run this command without disabling foreign key checks. That way you can be sure that columns in other tables that Commerce/B2B extensions have created with key constraints don't have data referring to cells in removed tables. I suspect that disabling foreign key checks will be required however.

SET foreign_key_checks = 0;

DROP TABLE IF EXISTS email_b2b_quote, magento_salesrule_filter, magento_banner, magento_banner_content, magento_banner_catalogrule, magento_banner_salesrule, magento_banner_customersegment, magento_catalogevent_event, magento_catalogevent_event_image, magento_catalogpermissions, magento_catalogpermissions_index, magento_catalogpermissions_index_product, magento_catalogpermissions_index_product_replica, magento_catalogpermissions_index_tmp, magento_catalogpermissions_index_product_tmp, magento_catalogpermissions_index_replica, quote_preview, magento_customerbalance, magento_customerbalance_history, magento_customercustomattributes_sales_flat_order, magento_customercustomattributes_sales_flat_order_address, magento_customercustomattributes_sales_flat_quote, magento_customercustomattributes_sales_flat_quote_address, magento_customersegment_segment, magento_customersegment_website, magento_customersegment_customer, magento_customersegment_event, magento_giftcard_amount, magento_giftcardaccount, magento_giftcardaccount_pool, magento_giftcardaccount_history, magento_giftregistry_type, magento_giftregistry_type_info, magento_giftregistry_label, magento_giftregistry_entity, magento_giftregistry_item, magento_giftregistry_person, magento_giftregistry_data, magento_giftregistry_item_option, magento_giftwrapping, magento_giftwrapping_store_attributes, magento_giftwrapping_website, magento_invitation, magento_invitation_status_history, magento_invitation_track, magento_logging_event, magento_logging_event_changes, negotiable_quote, negotiable_quote_grid, negotiable_quote_comment,

negotiable_quote_comment_attachment, negotiable_quote_history, negotiable_quote_item, negotiable_quote_purged_content, pagebuilder_template, purchase_order, purchase_order_approved_by, purchase_order_log, purchase_order_comment, purchase_order_rule, purchase_order_rule_approver, purchase_order_rule_applies_to, purchase_order_applied_rule, purchase_order_applied_rule_approver, magento_reminder_rule, magento_reminder_rule_website, magento_reminder_template, magento_reminder_rule_coupon, magento_reminder_rule_log, requisition_list, requisition_list_item, magento_reward, magento_reward_history, magento_reward_rate, magento_reward_salesrule, magento_sales_order_grid_archive, magento_sales_invoice_grid_archive, magento_sales_creditmemo_grid_archive, magento_sales_shipment_grid_archive, magento_scheduled_operations, staging_update, shared_catalog, shared_catalog_product_item, sharedcatalog_category_permissions, support_backup, support_backup_item, support_report, magento_targetrule, magento_targetrule_customersegment, magento_targetrule_product, magento_targetrule_index, magento_targetrule_index_related, magento_targetrule_index_upsell, magento_targetrule_index_crosssell, magento_targetrule_index_crosssell_product, magento_targetrule_index_related_product, magento_targetrule_index_upsell_product, magento_versionscms_increment, magento_versionscms_hierarchy_node, magento_versionscms_hierarchy_metadata, magento_versionscms_hierarchy_lock, visual_merchandiser_rule, negotiable_quote_company_config, purchase_order_company_config, salesrule_rule_cl, targetrule_product_rule_cl, targetrule_rule_product_cl;

SET foreign_key_checks = 1;

Downgrade steps taken

Testing has shown the downgrade sql scripts in the github repository referenced above largely do not run without errors so I am inclined to drop this step and see if anything is required in it's place once the downgrade is done. These are the steps that have actually been done in testing to downgrade to Open Source edition.

Backup original database

First disable order archiving so that order data gets moved back to the standard flat tables.

Then backup the database before any changes.

$ mysqldump -u username -p database > commerce_full_before_downgrade.sql

Upgrade to 2.4 Commerce

Switch to the 2.4 Commerce upgrade branch.

Note: at the time of performing the downgrade, production is not running the latest Commerce version, so this branch just contains a version upgrade of Commerce to the latest at the time, as per this page.

$ git checkout 2.4-upgrade

$ git pull origin 2.4-upgrade

Then upgrade Magento to 2.4.2 to get the database structure up to date

$ composer install

$ bin/magento c:c

$ bin/magento c:f

$ rm -rf generated/metadata/ generated/code/ pub/static/frontend/ pub/static/adminhtml/ pub/static/_cache var/view_preprocessed/

$ bin/magento deploy:mode:set developer

$ bin/magento setup:upgrade

And then switch to the 2.4 Open Source branch

$ git checkout -- .

$ git checkout 2.4-upgrade-with-tests-open-source

Note: for the changes made in this branch, see the notes against the 'Composer downgrade' section on page 34 below. This branch also contains changes to ensure unit and integration tests have been updated to work in the downgraded install Open Source.

If you are unable to change branches you may need to clean conflicting untracked files with the following command. However take care before running it as it may delete required files under locations such as pub/feed and pub/pip. If these locations do not exist the clean command can be run without issue, otherwise using a standard bash rm after a git status to show untracked files may be preferable.

$ git clean -fd

Then switch branches

```
$ git checkout 2.4-upgrade-with-tests-open-source
```

And continue with:

```
$ git pull origin 2.4-upgrade-with-tests-open-source
```

Delete attributes

Some attributes will no longer have the referenced classes and so need removal.

```
$ mysql -u username -p database < assets/os_downgrade/mysql/delete_attributes.sql
```

See full SQL in appendix.

Remove commerce database tables

Remove the Commerce/B2B related database tables that no longer contain data we need to keep.

```
$ mysql -u username -p database < assets/os_downgrade/mysql/remove_commerce_tables.sql
```

See full SQL in appendix.

Remove database setup entries

We should remove the Commerce/B2B module entries in the setup_module table.

```
$ mysql -u username -p database < assets/os_downgrade/mysql/remove_setup_entries.sql
```

See full SQL in appendix.

Drop Commerce constraints

```
$ mysql -u username -p database < assets/os_downgrade/mysql/drop_commerce_constraints.sql
```

See full SQL in appendix.

Update database to match Open Source structure

A couple of notes in relation to the changes performed in this step. Firstly the wishlist and email_wishlist tables are truncated in order to resolve a data issue later on during setup:upgrade on the open source branch. To my understanding there is no requirement to use wishlist data, so truncation was the most time effective way to resolve the issues encountered, particularly with it being unclear how long 'fixing' the existing data may take, and with this data basically being redundant anyway.

The second note is that there are some tables which have a row_id column as the auto increment column for the table under commerce, for instance the cms_page table. Under open source the row_id is no longer used as the auto increment column and has a different name which exists in commerce but is not auto incremented. With cms_page the column is page_id. Unfortunately it is not possible to simply drop the row_id column as the other column has the potential to have duplicated id values and so cannot be set to auto

increment. This introduces the possible requirement for manual changes after the downgrade, for instance widget anchor links target the page_id column, not row_id and as row_id value and page_id value does not always match this will need to be edited manually.

Change database structure to open source:

$ mysql -u username -p database < assets/os_downgrade/mysql/opensource_structure.sql

See full SQL in appendix.

Create Open Source constraints

$ mysql -u username -p database < assets/os_downgrade/mysql/add_opensource_constraints.sql

See full SQL in appendix.

Composer downgrade

The changes to downgrade composer to open source are already present in the relevant repository branch. So here we just need to run a:

$ composer install

The commands below are just for reference and were the commands run to actually downgrade in composer before these changes got committed into the repository.

Downgrade Magento to Open Source, also removing the B2B extension.

$ composer remove magento/extension-b2b --no-update

$ composer remove magento/product-enterprise-edition --no-update

$ composer require magento/product-community-edition:2.4.2 --no-update

$ composer update

Clear the caches

$ bin/magento c:c

$ bin/magento c:f

$ rm -rf generated/metadata/ generated/code/ pub/static/frontend/ pub/static/adminhtml/ pub/static/_cache var/view_preprocessed/

Update the database

Make sure the database is up to date for Open Source

$ bin/magento setup:upgrade

If you see an error thrown here when processing Smile_ElasticsuiteCatalog:

Module 'Smile_ElasticsuiteCatalog':

Upgrading schema.. SQLSTATE[42S22]: Column not found: 1054 Unknown column 'facet_sort_order' in 'catalog_eav_attribute'

The solution is to delete the entry for this module from setup_module, then setup:upgrade is able to run correctly:

mysql> DELETE FROM setup_module WHERE module = "Smile_ElasticsuiteCatalog";

which can also be done by executing the following script

$ mysql -u username -p database < assets/os_downgrade/mysql/drop_elasticsuite_catalog_setup.sql

Reindex

A full reindex should be run to make sure it completes correctly.

$ bin/magento indexer:reindex

You may encounter an error here indicating all shards in elasticsearch have been exhausted. To clear **all** elasticsearch data do the following:

Display current indices:

$ curl -XGET localhost:9200/_cat/indices

Delete data:

$ curl -XDELETE localhost:9200/_all

Confirm indices are now empty:

$ curl -XGET localhost:9200/_cat/indices

Then rerun the reindex:

$ bin/magento indexer:reindex

Export modified database

Export the database again with Commerce/B2B tables that don't have data we need removed, the structure updated to Open Source and a reindex run.

$ mysqldump -u username -p database > opensource_notmigrated.sql

See full SQL in appendix.

Migrate commerce RMA and companies data

Here we migrate data from the core RMA and companies tables to the replacement extensions. A couple of notes.

These replacements extensions haven't had any configuration done and committed to the repository. These steps just migrate data.

The ability of some columns to be set to NULL is different between core and replacement table, so it's possible that while this has been considered, there may still be some cases where rows are NULL in core tables, but are required to have a value in replacement table. In this case the MySQL will return a error indicating a column cannot be NULL and the command should be edited to include the use of IFNULL() under SELECT to give a default value in the case where where a row value might be NULL. There are examples of this being used in some of the SQL used below, but it's basically changing:

mysql> SELECT

…

    some_column,

    …

…

where some_column has NULL values for some/all rows, to instead:

mysql> SELECT

    ...

    IFNULL(some_column, 0),

    ...

...

Making 0 the value that will be used in the case of some_column being NULL.

RMA data

This will migrate RMA data to the replacement extension and returns will show in the archived section.

Limitations

Some data will be lost in porting the data from core returns to the replacement extension. This is for 2 reasons:

1. There is no direct equivalent of some fields between the returns versions

2. The EAV structure or core returns makes it largely unworkable to port every detail of returns. This includes things like predefined values for return reason, item conditions and resolution, although the 'Internal RMA Note' field should show detail about the return reason.

So this should be considered a method to port the main bulk of important data for returns, but not every single aspect.

You may encounter a MySQL error with:

   this is incompatible with sql_mode=only_full_group_by

In this case you will need to disable ONLY_FULL_GROUP_BY and then enable it again afterwards (exact method may depend on MySQL version and OS but could be SET SESSION sql_mode = "";).

Migrating or exporting

At this step you may want to either migrate commerce returns data across to the replacement module, or export the relevant tables so the data can be added later via e.g. the API. Currently the preferred method is to export.

Exporting data

You can export the relevant tables using the following command:

$ mysqldump -u username -p database magento_rma, magento_rma_grid, magento_rma_status_history, magento_rma_item_entity, magento_rma_item_eav_attribute, magento_rma_item_entity_datetime, magento_rma_item_entity_decimal, magento_rma_item_entity_int, magento_rma_item_entity_text, magento_rma_item_entity_varchar, magento_rma_item_form_attribute, magento_rma_item_eav_attribute_website, magento_rma_shipping_label > exported_commerce_returns_data.sql

Migrating data

If you instead want to migrate the returns data you can use the following command.

$ mysql -u username -p database < assets/os_downgrade/mysql/migrate_returns_data.sql

See full SQL in appendix.

Companies data

This will migrate companies data to the replacement extension.

Limitations

Some elements of the core companies functionality are more extensive than the replacement extension, most notably around permissions, and company hierarchy.

Permissions

In core functionality the possible range of permissions you can give a user is extensive and goes well beyond just companies related permissions, but in the replacement extension permissions are possible only for companies, but permissions possibilities between the 2 are largely comparable in this area.

Additionally, the way in which the data needs to be migrated to the replacement extension means there is likely to be some duplication of rows giving the same permissions for some users. It's not anticipated this will cause any issues, but it should be tested to make sure editing of permissions works correctly, i.e. you are still able to remove permissions.

Company hierarchy

The replacement extension does not appear to support company hierarchy in the same way as core functionality does. For instance, core has DB tables like company_team and company_structure, but tables of this type are missing from the replacement extension. Although the extension page does talk about hierarchy, I believe this is meant to be handled with users being 'grouped' by company id, and then differing levels of functionality per company user being handled by roles.

Migrating

Use the following commands to migrate companies data.

```
$ mysql -u username -p database <
assets/os_downgrade/mysql/migrate_companies_data.sql
```

See full SQL in appendix.

Export database

The downgrade should now be complete with the core RMA and companies (if relevant) data migrated to third party alternatives. The only thing remaining is to remove the remaining commerce returns and companies tables, but this should wait until post testing in case data from these tables still is needed. We will make a backup of the database in it's pre-testing form.

```
$ mysqldump -u username -p database > opensource_migrated_pretest.sql
```

Testing

The install is now ready to be submitted for testing.

Drop remaining commerce tables

Once testing has confirmed that data looks good and nothing around companies/returns looks to be wrong the returns and companies commerce tables can finally be deleted.

Drop the Commerce companies tables we don't need any more

```
$ mysql -u username -p database <
assets/os_downgrade/mysql/drop_companies_tables.sql
```

See full SQL in appendix.

Drop the Commerce RMA tables we don't need any more

```
$ mysql -u username -p database < assets/os_downgrade/mysql/drop_returns_tables.sql
```

See full SQL in appendix.

Export database

The downgrade process should now be fully complete, tested and all commerce related data and structure removed so we are ready to export our final database version.

```
$ mysqldump -u username -p database > opensource_migrated_final.sql
```

Appendix

Commerce to Open Source DB difference analysis

catalog_category_entity

row_id → DROP

entity_id → AUTO_INCREMENT

created_in → DROP

updated_in → DROP

PRIMARY KEY (`row_id`) → PRIMARY KEY (`entity_id`)

KEY `CATALOG_CATEGORY_ENTITY_CREATED_IN` (`created_in`) → DROP

KEY `CATALOG_CATEGORY_ENTITY_UPDATED_IN` (`updated_in`) → DROP

KEY `CAT_CTGR_ENTT_ENTT_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL` (`entity_id`) → DROP

KEY `CATALOG_CATEGORY_ENTITY_ENTITY_ID` (`entity_id`) → DROP

CONSTRAINT `CAT_CTGR_ENTT_ENTT_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL` FOREIGN KEY (`entity_id`) REFERENCES `sequence_catalog_category` (`sequence_value`) ON DELETE CASCADE → DROP

catalog_category_entity_datetime

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY `CATALOG_CATEGORY_ENTITY_DATETIME_ROW_ID_ATTRIBUTE_ID_STORE_ID` (`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY `CATALOG_CATEGORY_ENTITY_DATETIME_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`)

KEY `CATALOG_CATEGORY_ENTITY_DATETIME_ROW_ID` (`row_id`) → KEY `CATALOG_CATEGORY_ENTITY_DATETIME_ENTITY_ID` (`entity_id`)

CONSTRAINT `CAT_CTGR_ENTT_DTIME_ROW_ID_CAT_CTGR_ENTT_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `catalog_category_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_CTGR_ENTT_DTIME_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

catalog_category_entity_decimal

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_DECIMAL_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_DECIMAL_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

KEY `CATALOG_CATEGORY_ENTITY_DECIMAL_ROW_ID` (`row_id`) → KEY
`CATALOG_CATEGORY_ENTITY_DECIMAL_ENTITY_ID` (`entity_id`)

CONSTRAINT `CAT_CTGR_ENTT_DEC_ROW_ID_CAT_CTGR_ENTT_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalog_category_entity` (`row_id`) ON
DELETE CASCADE → CONSTRAINT
`CAT_CTGR_ENTT_DEC_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

catalog_category_entity_int

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_INT_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_INT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

KEY `CATALOG_CATEGORY_ENTITY_INT_ROW_ID` (`row_id`) → KEY
`CATALOG_CATEGORY_ENTITY_INT_ENTITY_ID` (`entity_id`)

CONSTRAINT `CAT_CTGR_ENTT_INT_ROW_ID_CAT_CTGR_ENTT_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalog_category_entity` (`row_id`) ON
DELETE CASCADE → CONSTRAINT
`CAT_CTGR_ENTT_INT_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

catalog_category_entity_text

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_TEXT_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_TEXT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

KEY `CATALOG_CATEGORY_ENTITY_TEXT_ROW_ID` (`row_id`) → KEY
`CATALOG_CATEGORY_ENTITY_TEXT_ENTITY_ID` (`entity_id`)

CONSTRAINT `CAT_CTGR_ENTT_TEXT_ROW_ID_CAT_CTGR_ENTT_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalog_category_entity` (`row_id`) ON
DELETE CASCADE → CONSTRAINT

`CAT_CTGR_ENTT_TEXT_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

catalog_category_entity_varchar

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ROW_ID_ATTRIBUTE_ID_STORE_ID` (`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`)

KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ROW_ID` (`row_id`) → KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ENTITY_ID` (`entity_id`)

CONSTRAINT `CAT_CTGR_ENTT_VCHR_ROW_ID_CAT_CTGR_ENTT_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `catalog_category_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_CTGR_ENTT_VCHR_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

catalog_category_product

CONSTRAINT `CAT_CTGR_PRD_CTGR_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL` FOREIGN KEY (`category_id`) REFERENCES `sequence_catalog_category` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_CTGR_PRD_CTGR_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`category_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

CONSTRAINT `CAT_CTGR_PRD_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_CTGR_PRD_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_compare_item

CONSTRAINT `CATALOG_COMPARE_ITEM_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CATALOG_COMPARE_ITEM_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_eav_attribute

is_pagebuilder_enabled → DROP

is_displayed_in_autocomplete → DROP

is_used_in_spellcheck → DROP

facet_min_coverage_rate → DROP

facet_max_size → DROP

facet_sort_order → DROP

display_pattern → DROP

display_precision → DROP

sort_order_asc_missing → DROP

sort_order_desc_missing → DROP

catalog_product_bundle_option

option_id → AUTO_INCREMENT COMMENT 'Option ID'

PRIMARY KEY (`option_id`) → PRIMARY KEY (`option_id`,`parent_id`)

CONSTRAINT `CAT_PRD_BNDL_OPT_PARENT_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_BNDL_OPT_PARENT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

CONSTRAINT `CAT_PRD_BNDL_OPT_OPT_ID_SEQUENCE_PRD_BNDL_OPT_SEQUENCE_VAL` FOREIGN KEY (`option_id`) REFERENCES `sequence_product_bundle_option` (`sequence_value`) ON DELETE CASCADE → DROP

catalog_product_bundle_option_value

KEY `CAT_PRD_BNDL_OPT_VAL_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID` (`parent_product_id`) → DROP

CONSTRAINT `CAT_PRD_BNDL_OPT_VAL_OPT_ID_SEQUENCE_PRD_BNDL_OPT_SEQUENCE_VAL` FOREIGN KEY (`option_id`) REFERENCES `sequence_product_bundle_option` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_BNDL_OPT_VAL_OPT_ID_CAT_PRD_BNDL_OPT_OPT_ID` FOREIGN KEY (`option_id`) REFERENCES `catalog_product_bundle_option` (`option_id`) ON DELETE CASCADE

CONSTRAINT `CAT_PRD_BNDL_OPT_VAL_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`parent_product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → DROP

catalog_product_bundle_price_index

CONSTRAINT
`CAT_PRD_BNDL_PRICE_IDX_ENTT_ID_SEQUENCE_PRD_SEQUENCE_VAL`
FOREIGN KEY (`entity_id`) REFERENCES `sequence_product` (`sequence_value`) ON
DELETE CASCADE → CONSTRAINT
`CAT_PRD_BNDL_PRICE_IDX_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_bundle_selection

selection_id → AUTO_INCREMENT COMMENT 'Selection ID'

parent_product_id → COMMENT 'Parent Product ID'

PRIMARY KEY (`selection_id`,`parent_product_id`) → PRIMARY KEY (`selection_id`)

KEY `CAT_PRD_BNDL_SELECTION_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`
(`parent_product_id`) → DROP

CONSTRAINT
`CAT_PRD_BNDL_SELECTION_OPT_ID_SEQUENCE_PRD_BNDL_OPT_SEQUENCE_
VAL` FOREIGN KEY (`option_id`) REFERENCES `sequence_product_bundle_option`
(`sequence_value`) ON DELETE CASCADE → CONSTRAINT
`CAT_PRD_BNDL_SELECTION_OPT_ID_CAT_PRD_BNDL_OPT_OPT_ID` FOREIGN
KEY (`option_id`) REFERENCES `catalog_product_bundle_option` (`option_id`) ON
DELETE CASCADE

CONSTRAINT
`CAT_PRD_BNDL_SELECTION_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`
FOREIGN KEY (`parent_product_id`) REFERENCES `catalog_product_entity` (`row_id`)
ON DELETE CASCADE → CONSTRAINT
`CAT_PRD_BNDL_SELECTION_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE
CASCADE

CONSTRAINT
`CAT_PRD_BNDL_SELECTION_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`
FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON
DELETE CASCADE → DROP

CONSTRAINT `FK_606117FEB5F50D0182CEC9D260C05DD2` FOREIGN KEY
(`selection_id`) REFERENCES `sequence_product_bundle_selection` (`sequence_value`)
ON DELETE CASCADE → DROP

catalog_product_bundle_selection_price

KEY
`CAT_PRD_BNDL_SELECTION_PRICE_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`
(`parent_product_id`) → DROP

CONSTRAINT `CAT_PRD_BNDL_SELECTION_PRICE_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`parent_product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → DROP

CONSTRAINT `FK_AE9FDBF7988FB6BE3E04D91DA2CFB273` FOREIGN KEY (`selection_id`) REFERENCES `sequence_product_bundle_selection` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `FK_DCF37523AA05D770A70AA4ED7C2616E4` FOREIGN KEY (`selection_id`) REFERENCES `catalog_product_bundle_selection` (`selection_id`) ON DELETE CASCADE

catalog_product_entity

row_id → DROP

entity_id → COMMENT 'Entity ID'

created_in → DROP

updated_in → DROP

PRIMARY KEY (`row_id`) → PRIMARY KEY (`entity_id`)

KEY `CATALOG_PRODUCT_ENTITY_CREATED_IN` (`created_in`) → DROP

KEY `CATALOG_PRODUCT_ENTITY_UPDATED_IN` (`updated_in`) → DROP

KEY `CATALOG_PRODUCT_ENTITY_ENTITY_ID_CREATED_IN_UPDATED_IN` (`entity_id`,`created_in`,`updated_in`) → DROP

CONSTRAINT `CATALOG_PRODUCT_ENTITY_ENTITY_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` FOREIGN KEY (`entity_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → DROP

catalog_product_entity_datetime

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY `CATALOG_PRODUCT_ENTITY_DATETIME_ROW_ID_ATTRIBUTE_ID_STORE_ID` (`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY `CATALOG_PRODUCT_ENTITY_DATETIME_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`)

CONSTRAINT `CAT_PRD_ENTT_DTIME_ROW_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_ENTT_DTIME_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_decimal

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_DECIMAL_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_DECIMAL_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

CONSTRAINT `CAT_PRD_ENTT_DEC_ROW_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN
KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE
CASCADE → CONSTRAINT
`CAT_PRD_ENTT_DEC_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_gallery

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_GALLERY_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_GALLERY_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

KEY `CATALOG_PRODUCT_ENTITY_GALLERY_ROW_ID` (`row_id`) → KEY
`CATALOG_PRODUCT_ENTITY_GALLERY_ENTITY_ID` (`entity_id`)

CONSTRAINT `CAT_PRD_ENTT_GLR_ROW_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN
KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE
CASCADE → CONSTRAINT
`CAT_PRD_ENTT_GLR_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_int

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_INT_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_INT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

CONSTRAINT
`CATALOG_PRODUCT_ENTITY_INT_ROW_ID_CATALOG_PRODUCT_ENTITY_ROW_I
D` FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON
DELETE CASCADE → CONSTRAINT
`CAT_PRD_ENTT_INT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_media_gallery

KEY `CATALOG_PRODUCT_ENTITY_MEDIA_GALLERY_VALUE` (`value`) → DROP

catalog_product_entity_media_gallery_value

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

KEY `CATALOG_PRODUCT_ENTITY_MEDIA_GALLERY_VALUE_ROW_ID` (`row_id`) → KEY `CATALOG_PRODUCT_ENTITY_MEDIA_GALLERY_VALUE_ENTITY_ID` (`entity_id`)

KEY `CAT_PRD_ENTT_MDA_GLR_VAL_ROW_ID_VAL_ID_STORE_ID` (`row_id`,`value_id`,`store_id`) → KEY `CAT_PRD_ENTT_MDA_GLR_VAL_ENTT_ID_VAL_ID_STORE_ID` (`entity_id`,`value_id`,`store_id`)

CONSTRAINT `CAT_PRD_ENTT_MDA_GLR_VAL_ROW_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_ENTT_MDA_GLR_VAL_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_media_gallery_value_to_entity

row_id → entity_id COMMENT 'Product Entity ID'

UNIQUE KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_VAL_ID_ROW_ID` (`value_id`,`row_id`) → UNIQUE KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_VAL_ID_ENTT_ID` (`value_id`,`entity_id`)

KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ROW_ID_CAT_PRD_ENTT_ROW_ID` (`row_id`) → KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` (`entity_id`)

CONSTRAINT `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ROW_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_text

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_TEXT_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_TEXT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

CONSTRAINT
`CATALOG_PRODUCT_ENTITY_TEXT_ROW_ID_CATALOG_PRODUCT_ENTITY_ROW
_ID` FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON
DELETE CASCADE → CONSTRAINT
`CAT_PRD_ENTT_TEXT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_tier_price

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY `UNQ_EBC6A54F44DFA66FA9024CAD97FED6C7`
(`row_id`,`all_groups`,`customer_group_id`,`qty`,`website_id`) → UNIQUE KEY
`UNQ_E8AB433B9ACB00343ABB312AD2FAB087`
(`entity_id`,`all_groups`,`customer_group_id`,`qty`,`website_id`)

CONSTRAINT `CAT_PRD_ENTT_TIER_PRICE_ROW_ID_CAT_PRD_ENTT_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE
CASCADE → CONSTRAINT
`CAT_PRD_ENTT_TIER_PRICE_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_entity_varchar

row_id → entity_id DEFAULT '0' COMMENT 'Entity ID'

UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_VARCHAR_ROW_ID_ATTRIBUTE_ID_STORE_ID`
(`row_id`,`attribute_id`,`store_id`) → UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_VARCHAR_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`)

CONSTRAINT `CAT_PRD_ENTT_VCHR_ROW_ID_CAT_PRD_ENTT_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE
CASCADE → CONSTRAINT
`CAT_PRD_ENTT_VCHR_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_index_tier_price

CONSTRAINT
`CAT_PRD_IDX_TIER_PRICE_ENTT_ID_SEQUENCE_PRD_SEQUENCE_VAL`
FOREIGN KEY (`entity_id`) REFERENCES `sequence_product` (`sequence_value`) ON
DELETE CASCADE → CONSTRAINT

`CAT_PRD_IDX_TIER_PRICE_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_link

CONSTRAINT `CATALOG_PRODUCT_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CATALOG_PRODUCT_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

CONSTRAINT `CAT_PRD_LNK_LNKED_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`linked_product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_LNK_LNKED_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`linked_product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_option

CONSTRAINT `CATALOG_PRODUCT_OPTION_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_OPT_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_relation

CONSTRAINT `CATALOG_PRODUCT_RELATION_PARENT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_RELATION_PARENT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

CONSTRAINT `CAT_PRD_RELATION_CHILD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`child_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_RELATION_CHILD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`child_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_super_attribute

CONSTRAINT `CAT_PRD_SPR_ATTR_PRD_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_SPR_ATTR_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY

(`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_product_super_link

CONSTRAINT `CAT_PRD_SPR_LNK_PARENT_ID_CAT_PRD_ENTT_ROW_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_SPR_LNK_PARENT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

CONSTRAINT `CAT_PRD_SPR_LNK_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_SPR_LNK_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE

catalog_product_website

CONSTRAINT `CAT_PRD_WS_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_PRD_WS_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

catalog_url_rewrite_product_category

CONSTRAINT `CAT_URL_REWRITE_PRD_CTGR_CTGR_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL` FOREIGN KEY (`category_id`) REFERENCES `sequence_catalog_category` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_URL_REWRITE_PRD_CTGR_CTGR_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`category_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE

CONSTRAINT `CAT_URL_REWRITE_PRD_CTGR_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `CAT_URL_REWRITE_PRD_CTGR_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

cataloginventory_stock_item

deferred_stock_update → DROP

use_config_deferred_stock_update → DROP

CONSTRAINT `CATINV_STOCK_ITEM_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`
FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON
DELETE CASCADE → CONSTRAINT
`CATINV_STOCK_ITEM_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE
CASCADE

catalogrule

row_id → DROP

rule_id → AUTO_INCREMENT COMMENT 'Entity ID'

created_in → DROP

updated_in → DROP

PRIMARY KEY (`row_id`) → PRIMARY KEY (`rule_id`)

KEY `CATALOGRULE_CREATED_IN` (`created_in`) → DROP

KEY `CATALOGRULE_UPDATED_IN` (`updated_in`) → DROP

KEY `CATALOGRULE_RULE_ID_SEQUENCE_CATALOGRULE_SEQUENCE_VALUE`
(`rule_id`) → DROP

KEY `CATALOGRULE_RULE_ID` (`rule_id`) → DROP

CONSTRAINT
`CATALOGRULE_RULE_ID_SEQUENCE_CATALOGRULE_SEQUENCE_VALUE`
FOREIGN KEY (`rule_id`) REFERENCES `sequence_catalogrule` (`sequence_value`) ON
DELETE CASCADE → DROP

catalogrule_customer_group

row_id → rule_id COMMENT 'Rule ID'

PRIMARY KEY (`row_id`,`customer_group_id`) → PRIMARY KEY
(`rule_id`,`customer_group_id`)

CONSTRAINT
`CATALOGRULE_CUSTOMER_GROUP_ROW_ID_CATALOGRULE_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalogrule` (`row_id`) ON DELETE CASCADE
→ CONSTRAINT
`CATALOGRULE_CUSTOMER_GROUP_RULE_ID_CATALOGRULE_RULE_ID`
FOREIGN KEY (`rule_id`) REFERENCES `catalogrule` (`rule_id`) ON DELETE CASCADE

catalogrule_website

row_id → rule_id COMMENT 'Rule ID'

PRIMARY KEY (`row_id`,`website_id`) → PRIMARY KEY (`rule_id`,`website_id`)

CONSTRAINT `CATALOGRULE_WEBSITE_ROW_ID_CATALOGRULE_ROW_ID`
FOREIGN KEY (`row_id`) REFERENCES `catalogrule` (`row_id`) ON DELETE CASCADE

→ CONSTRAINT `CATALOGRULE_WEBSITE_RULE_ID_CATALOGRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `catalogrule` (`rule_id`) ON DELETE CASCADE

cms_block

row_id → DROP

block_id → AUTO_INCREMENT COMMENT 'Entity ID'

created_in → DROP

updated_in → DROP

PRIMARY KEY (`row_id`) → PRIMARY KEY (`block_id`)

KEY `CMS_BLOCK_CREATED_IN` (`created_in`) → DROP

KEY `CMS_BLOCK_UPDATED_IN` (`updated_in`) → DROP

KEY `CMS_BLOCK_BLOCK_ID_SEQUENCE_CMS_BLOCK_SEQUENCE_VALUE` (`block_id`) → DROP

CONSTRAINT `CMS_BLOCK_BLOCK_ID_SEQUENCE_CMS_BLOCK_SEQUENCE_VALUE` FOREIGN KEY (`block_id`) REFERENCES `sequence_cms_block` (`sequence_value`) ON DELETE CASCADE → DROP

cms_block_store

row_id → block_id COMMENT 'Block ID'

PRIMARY KEY (`row_id`,`store_id`) → PRIMARY KEY (`block_id`,`store_id`)

CONSTRAINT `CMS_BLOCK_STORE_ROW_ID_CMS_BLOCK_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `cms_block` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CMS_BLOCK_STORE_BLOCK_ID_CMS_BLOCK_BLOCK_ID` FOREIGN KEY (`block_id`) REFERENCES `cms_block` (`block_id`) ON DELETE CASCADE

cms_page

row_id → DROP

page_id → AUTO_INCREMENT COMMENT 'Entity ID'

created_in → DROP

updated_in → DROP

website_root → DROP

PRIMARY KEY (`row_id`) → PRIMARY KEY (`page_id`)

KEY `CMS_PAGE_CREATED_IN` (`created_in`) → DROP

KEY `CMS_PAGE_UPDATED_IN` (`updated_in`) → DROP

KEY `CMS_PAGE_PAGE_ID_SEQUENCE_CMS_PAGE_SEQUENCE_VALUE` (`page_id`) → DROP

KEY `CMS_PAGE_PAGE_ID` (`page_id`) → DROP

CONSTRAINT `CMS_PAGE_PAGE_ID_SEQUENCE_CMS_PAGE_SEQUENCE_VALUE` FOREIGN KEY (`page_id`) REFERENCES `sequence_cms_page` (`sequence_value`) ON DELETE CASCADE → DROP

cms_page_store

row_id → page_id COMMENT 'Entity ID'

PRIMARY KEY (`row_id`,`store_id`) → PRIMARY KEY (`page_id`,`store_id`)

CONSTRAINT `CMS_PAGE_STORE_ROW_ID_CMS_PAGE_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `cms_page` (`row_id`) ON DELETE CASCADE → CONSTRAINT `CMS_PAGE_STORE_PAGE_ID_CMS_PAGE_PAGE_ID` FOREIGN KEY (`page_id`) REFERENCES `cms_page` (`page_id`) ON DELETE CASCADE

customer_eav_attribute

is_used_for_customer_segment → DROP

customer_entity

KEY `CUSTOMER_ENTITY_CREATED_AT` (`created_at`) → DROP

KEY `CUSTOMER_ENTITY_DOB` (`dob`) → DROP

KEY `CUSTOMER_ENTITY_DEFAULT_BILLING` (`default_billing`) → DROP

KEY `CUSTOMER_ENTITY_DEFAULT_SHIPPING` (`default_shipping`) → DROP

KEY `CUSTOMER_ENTITY_GENDER` (`gender`) → DROP

KEY `CUSTOMER_ENTITY_GROUP_ID` (`group_id`) → DROP

downloadable_link

CONSTRAINT `DOWNLOADABLE_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `DOWNLOADABLE_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

downloadable_sample

CONSTRAINT `DOWNLOADABLE_SAMPLE_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`row_id`) ON DELETE CASCADE → CONSTRAINT `DOWNLOADABLE_SAMPLE_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

email_catalog

CONSTRAINT `EMAIL_CATALOG_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `EMAIL_CATALOG_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

email_contact

last_subscribed_at → COMMENT 'Last subscribed date'

klarna_core_order

KEY `KLARNA_KCO_ORDER_ORDER_ID_SALES_ORDER_ENTITY_ID` (`order_id`) → DROP

klarna_payments_quote

KEY `KLARNA_PAYMENTS_QUOTE_QUOTE_ID_QUOTE_ENTITY_ID` (`quote_id`) → DROP

product_alert_price

CONSTRAINT `PRODUCT_ALERT_PRICE_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `PRODUCT_ALERT_PRICE_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

product_alert_stock

CONSTRAINT `PRODUCT_ALERT_STOCK_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `PRODUCT_ALERT_STOCK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

queue_message_status

KEY `QUEUE_MESSAGE_ID_QUEUE_MESSAGE_STATUS_MESSAGE_ID` (`message_id`) → KEY `QUEUE_MESSAGE_STATUS_MESSAGE_ID_QUEUE_MESSAGE_ID` (`message_id`)

quote

customer_balance_amount_used → DROP

base_customer_bal_amount_used → DROP

use_customer_balance → DROP

gift_cards → DROP

gift_cards_amount → DROP

base_gift_cards_amount → DROP

gift_cards_amount_used → DROP

base_gift_cards_amount_used → DROP

gift_message_id → DROP

gw_id → DROP

gw_allow_gift_receipt → DROP

gw_add_card → DROP

gw_base_price → DROP

gw_price → DROP

gw_items_base_price → DROP

gw_items_price → DROP

gw_card_base_price → DROP

gw_card_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

gw_items_base_tax_amount → DROP

gw_items_tax_amount → DROP

gw_card_base_tax_amount → DROP

gw_card_tax_amount → DROP

gw_base_price_incl_tax → DROP

gw_price_incl_tax → DROP

gw_items_base_price_incl_tax → DROP

gw_items_price_incl_tax → DROP

gw_card_base_price_incl_tax → DROP

gw_card_price_incl_tax → DROP

use_reward_points → DROP

reward_points_balance → DROP

base_reward_currency_amount → DROP

reward_currency_amount → DROP

quote_address

base_customer_balance_amount → DROP

customer_balance_amount → DROP

gift_cards_amount → DROP

base_gift_cards_amount → DROP

gift_cards → DROP

used_gift_cards → DROP

gw_id → DROP

gw_allow_gift_receipt → DROP

gw_add_card → DROP

gw_base_price → DROP

gw_price → DROP

gw_items_base_price → DROP

gw_items_price → DROP

gw_card_base_price → DROP

gw_card_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

gw_items_base_tax_amount → DROP

gw_items_tax_amount → DROP

gw_card_base_tax_amount → DROP

gw_card_tax_amount → DROP

gw_base_price_incl_tax → DROP

gw_price_incl_tax → DROP

gw_items_base_price_incl_tax → DROP

gw_items_price_incl_tax → DROP

gw_card_base_price_incl_tax → DROP

gw_card_price_incl_tax → DROP

giftregistry_item_id → DROP

reward_points_balance → DROP

base_reward_currency_amount → DROP

reward_currency_amount → DROP

region_select → DROP

recipient_email → DROP

quote_address_item

gw_id → DROP

gw_base_price → DROP

gw_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

quote_item

is_excluded_product → DROP

gw_id → DROP

gw_base_price → DROP

gw_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

event_id → DROP

giftregistry_item_id → DROP

report_compared_product_index

CONSTRAINT
`REPORT_CMPD_PRD_IDX_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN
KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE
CASCADE → CONSTRAINT
`REPORT_CMPD_PRD_IDX_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY
(`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE
CASCADE

report_viewed_product_aggregated_daily

CONSTRAINT
`REPORT_VIEWED_PRD_AGGRED_DAILY_PRD_ID_SEQUENCE_PRD_SEQUENCE_
VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product`
(`sequence_value`) ON DELETE CASCADE → CONSTRAINT
`REPORT_VIEWED_PRD_AGGRED_DAILY_PRD_ID_CAT_PRD_ENTT_ENTT_ID`

FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

report_viewed_product_aggregated_monthly

CONSTRAINT `FK_0140003A30AFC1A9188D723C4634BA5D` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `REPORT_VIEWED_PRD_AGGRED_MONTHLY_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

report_viewed_product_aggregated_yearly

CONSTRAINT `REPORT_VIEWED_PRD_AGGRED_YEARLY_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `REPORT_VIEWED_PRD_AGGRED_YEARLY_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

report_viewed_product_index

CONSTRAINT `REPORT_VIEWED_PRD_IDX_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `REPORT_VIEWED_PRD_IDX_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

sales_creditmemo

base_customer_balance_amount → DROP

customer_balance_amount → DROP

bs_customer_bal_total_refunded → DROP

customer_bal_total_refunded → DROP

base_gift_cards_amount → DROP

gift_cards_amount → DROP

gw_base_price → DROP

gw_price → DROP

gw_items_base_price → DROP

gw_items_price → DROP

gw_card_base_price → DROP

gw_card_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

gw_items_base_tax_amount → DROP

gw_items_tax_amount → DROP

gw_card_base_tax_amount → DROP

gw_card_tax_amount → DROP

base_reward_currency_amount → DROP

reward_currency_amount → DROP

reward_points_balance → DROP

reward_points_balance_refund → DROP

sales_invoice

base_customer_balance_amount → DROP

customer_balance_amount → DROP

base_gift_cards_amount → DROP

gift_cards_amount → DROP

gw_base_price → DROP

gw_price → DROP

gw_items_base_price → DROP

gw_items_price → DROP

gw_card_base_price → DROP

gw_card_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

gw_items_base_tax_amount → DROP

gw_items_tax_amount → DROP

gw_card_base_tax_amount → DROP

gw_card_tax_amount → DROP

base_reward_currency_amount → DROP

reward_currency_amount → DROP

reward_points_balance → DROP

sales_order

base_customer_balance_amount → DROP

customer_balance_amount → DROP

base_customer_balance_invoiced → DROP

customer_balance_invoiced → DROP

base_customer_balance_refunded → DROP

customer_balance_refunded → DROP

bs_customer_bal_total_refunded → DROP

customer_bal_total_refunded → DROP

gift_cards → DROP

base_gift_cards_amount → DROP

gift_cards_amount → DROP

base_gift_cards_invoiced → DROP

gift_cards_invoiced → DROP

base_gift_cards_refunded → DROP

gift_cards_refunded → DROP

gw_id → DROP

gw_allow_gift_receipt → DROP

gw_add_card → DROP

gw_base_price → DROP

gw_price → DROP

gw_items_base_price → DROP

gw_items_price → DROP

gw_card_base_price → DROP

gw_card_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

gw_items_base_tax_amount → DROP

gw_items_tax_amount → DROP

gw_card_base_tax_amount → DROP

gw_card_tax_amount → DROP

gw_base_price_incl_tax → DROP

gw_price_incl_tax → DROP

gw_items_base_price_incl_tax → DROP

gw_items_price_incl_tax → DROP

gw_card_base_price_incl_tax → DROP

gw_card_price_incl_tax → DROP

gw_base_price_invoiced → DROP

gw_price_invoiced → DROP

gw_items_base_price_invoiced → DROP

gw_items_price_invoiced → DROP

gw_card_base_price_invoiced → DROP

gw_card_price_invoiced → DROP

gw_base_tax_amount_invoiced → DROP

gw_tax_amount_invoiced → DROP

gw_items_base_tax_invoiced → DROP

gw_items_tax_invoiced → DROP

gw_card_base_tax_invoiced → DROP

gw_card_tax_invoiced → DROP

gw_base_price_refunded → DROP

gw_price_refunded → DROP

gw_items_base_price_refunded → DROP

gw_items_price_refunded → DROP

gw_card_base_price_refunded → DROP

gw_card_price_refunded → DROP

gw_base_tax_amount_refunded → DROP

gw_tax_amount_refunded → DROP

gw_items_base_tax_refunded → DROP

gw_items_tax_refunded → DROP

gw_card_base_tax_refunded → DROP

gw_card_tax_refunded → DROP

reward_points_balance → DROP

base_reward_currency_amount → DROP

reward_currency_amount → DROP

base_rwrd_crrncy_amt_invoiced → DROP

rwrd_currency_amount_invoiced → DROP

base_rwrd_crrncy_amnt_refnded → DROP

rwrd_crrncy_amnt_refunded → DROP

reward_points_balance_refund → DROP

sales_order_address

giftregistry_item_id → DROP

sales_order_grid

refunded_to_store_credit → DROP

sales_order_item

qty_returned → DROP

gw_id → DROP

gw_base_price → DROP

gw_price → DROP

gw_base_tax_amount → DROP

gw_tax_amount → DROP

gw_base_price_invoiced → DROP

gw_price_invoiced → DROP

gw_base_tax_amount_invoiced → DROP

gw_tax_amount_invoiced → DROP

gw_base_price_refunded → DROP

gw_price_refunded → DROP

gw_base_tax_amount_refunded → DROP

gw_tax_amount_refunded → DROP

event_id → DROP

giftregistry_item_id → DROP

sales_order_status

color → DROP

salesrule

row_id → DROP

rule_id → AUTO_INCREMENT COMMENT 'Entity ID'

created_in → DROP

updated_in → DROP

PRIMARY KEY (`row_id`) → PRIMARY KEY (`rule_id`)

KEY `SALESRULE_CREATED_IN` (`created_in`) → DROP

KEY `SALESRULE_UPDATED_IN` (`updated_in`) → DROP

KEY `SALESRULE_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE` (`rule_id`) → DROP

KEY `SALESRULE_RULE_ID` (`rule_id`) → DROP

CONSTRAINT `SALESRULE_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE` FOREIGN KEY (`rule_id`) REFERENCES `sequence_salesrule` (`sequence_value`) ON DELETE CASCADE → DROP

salesrule_coupon

CONSTRAINT `SALESRULE_COUPON_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE` FOREIGN KEY (`rule_id`) REFERENCES `sequence_salesrule` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `SALESRULE_COUPON_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE

salesrule_customer

CONSTRAINT `SALESRULE_CUSTOMER_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE` FOREIGN KEY (`rule_id`) REFERENCES `sequence_salesrule` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `SALESRULE_CUSTOMER_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE

salesrule_customer_group

row_id → rule_id COMMENT 'Rule ID'

PRIMARY KEY (`row_id`,`customer_group_id`) → PRIMARY KEY (`rule_id`,`customer_group_id`)

CONSTRAINT `SALESRULE_CUSTOMER_GROUP_ROW_ID_SALESRULE_ROW_ID` FOREIGN KEY (`row_id`) REFERENCES `salesrule` (`row_id`) ON DELETE CASCADE → CONSTRAINT `SALESRULE_CUSTOMER_GROUP_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE

salesrule_label

CONSTRAINT
`SALESRULE_LABEL_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE`
FOREIGN KEY (`rule_id`) REFERENCES `sequence_salesrule` (`sequence_value`) ON
DELETE CASCADE → CONSTRAINT
`SALESRULE_LABEL_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`)
REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE

salesrule_product_attribute

row_id → rule_id COMMENT 'Rule ID'

PRIMARY KEY (`row_id`,`website_id`,`customer_group_id`,`attribute_id`) → PRIMARY
KEY (`rule_id`,`website_id`,`customer_group_id`,`attribute_id`)

CONSTRAINT
`SALESRULE_PRODUCT_ATTRIBUTE_ROW_ID_SALESRULE_ROW_ID` FOREIGN
KEY (`row_id`) REFERENCES `salesrule` (`row_id`) ON DELETE CASCADE →
CONSTRAINT
`SALESRULE_PRODUCT_ATTRIBUTE_RULE_ID_SALESRULE_RULE_ID` FOREIGN
KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE

salesrule_website

row_id → rule_id COMMENT 'Rule ID'

PRIMARY KEY (`row_id`,`website_id`) → PRIMARY KEY (`rule_id`,`website_id`)

CONSTRAINT `SALESRULE_WEBSITE_ROW_ID_SALESRULE_ROW_ID` FOREIGN
KEY (`row_id`) REFERENCES `salesrule` (`row_id`) ON DELETE CASCADE →
CONSTRAINT `SALESRULE_WEBSITE_RULE_ID_SALESRULE_RULE_ID` FOREIGN
KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE

search_query

is_spellchecked → DROP

weee_tax

CONSTRAINT `WEEE_TAX_ENTITY_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE`
FOREIGN KEY (`entity_id`) REFERENCES `sequence_product` (`sequence_value`) ON
DELETE CASCADE → CONSTRAINT
`WEEE_TAX_ENTITY_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

wishlist

name → DROP

visibility → DROP

KEY `WISHLIST_CUSTOMER_ID` (`customer_id`) → UNIQUE KEY `WISHLIST_CUSTOMER_ID` (`customer_id`)

wishlist_item

CONSTRAINT `WISHLIST_ITEM_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE → CONSTRAINT `WISHLIST_ITEM_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE

wishlist_item_option

KEY `WISHLIST_ITEM_OPTION_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE` (`product_id`) → KEY `WISHLIST_ITEM_OPTION_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` (`product_id`)

yotpo_rich_snippets

average_score → float(10,0) NOT NULL

Production core returns attributes

DB Table	attribute_id	attribute_code
	157	rma_entity_id
	158	order_item_id
	159	qty_requested
	160	qty_authorized
	161	qty_approved
	162	status
	163	product_name
	164	product_sku
magento_rma_item_entity_int	165	resolution
magento_rma_item_entity_int	166	condition
magento_rma_item_entity_int	167	reason
magento_rma_item_entity_varchar	168	reason_other
	169	qty_returned
	170	product_admin_name

	171	product_admin_sku
	172	product_options
	173	is_qty_decimal
magento_rma_item_entity_varchar	1387	buyer_response_due
magento_rma_item_entity_varchar	1388	buyer_response_due_by
magento_rma_item_entity_varchar	1389	seller_response_due
magento_rma_item_entity_varchar	1390	seller_response_due_by

Mapping of data from core returns to replacement extension

Tables we can ignore

amasty_rma_guest_create_request

amasty_rma_history

amasty_rma_item_condition

amasty_rma_item_condition_store

amasty_rma_message

amasty_rma_message_file

amasty_rma_reason

amasty_rma_reason_store

amasty_rma_resolution

amasty_rma_resolution_store

amasty_rma_return_rules

amasty_rma_return_rules_customer_groups

amasty_rma_return_rules_resolutions

amasty_rma_return_rules_websites

amasty_rma_status

amasty_rma_status_store

amasty_rma_tracking

Tables we need to populate

amasty_rma_request

amasty_rma_request_item

Mapping from core to replacement

amasty_rma_request

request_id → magento_rma.entity_id

order_id → magento_rma.order_id

store_id → magento_rma.store_id

created_at → magento_rma.date_requested

modified_at → magento_rma.date_requested

status → 11

customer_id → magento_rma.customer_id

customer_name → magento_rma_grid.customer_name

url_hash → 0

manager_id → 0

custom_fields → 0

rating → 0

rating_comment → nothing (can be null)

note → magento_rma_item_entity_text.value (where attribute_id = 1397)

shipping_label → nothing (can be null)

amasty_rma_request_item

request_item_id → nothing (auto increment)

request_id → magento_rma.entity_id

order_item_id → magento_rma_item_entity.order_item_id

qty → magento_rma_item_entity.qty_authorized

request_qty → magento_rma_item_entity.qty_requested

reason_id → 0

condition_id → 0

resolution_id → 0

item_status → 0

Mapping of data from core companies to replacement extension

Tables we can ignore

amasty_company_credit_event

amasty_company_credit_overdraft

Tables we need to populate

amasty_company_account_company

amasty_company_account_customer

amasty_company_account_order

amasty_company_account_permission

amasty_company_account_role

amasty_company_credit

Mapping from core to replacement

amasty_company_account_company

company_id → nothing (auto increment)

company_name → company.company_name

status → company.status

legal_name → company.legal_name

company_email → company.company_email

vat_tax_id → company.vat_tax_id

reseller_id → company.reseller_id

comment → company.comment

street → company.street

city → company.city

country_id → company.country_id

region → company.region

region_id → company.region_id

postcode → company.postcode

telephone → company.telephone

customer_group_id → company.customer_group_id

sales_representative_id → company.sales_representative_id

super_user_id → company.super_user_id

reject_reason → company.reject_reason

rejected_at → company.rejected_at

restricted_payments → 1

use_company_group → 1

amasty_company_account_customer

customer_id → company_advanced_customer_entity.customer_id

company_id → company_advanced_customer_entity.company_id

job_title → company_advanced_customer_entity.job_title

telephone → company_advanced_customer_entity.telephone

role_id → company_roles.role_id (where company_id = company_advanced_customer_entity.company_id)

status → company_advanced_customer_entity.status

amasty_company_account_order

company_order_id → company_order_entity.order_id

company_id → company_order_entity.company_id

company_name → company_order_entity.company_name

amasty_company_account_permission

permission_id → nothing (auto increment)

role_id → company_permissions.role_id

resource_id → company_permissions.resource_id

amasty_company_account_role

role_id → nothing (auto increment)

role_name → company_roles.role_name

company_id → company_roles.company_id

role_type_id → 0

amasty_company_credit

id → nothing (auto increment)

company_id → company_credit.company_id

balance → company_credit.balance

credit → company_credit.credit_limit

be_paid → 0

currency_code → company_credit.currency_code

allow_overdraft → 0

overdraft_limit → 0

overdraft_repay_period → 1

overdraft_repay_digit → 1

overdraft_repay_type → 0

overdraft_penalty → 0

Company permissions mapping

Replacement permissions tree:

Amasty_CompanyAccount::index

  Amasty_CompanyAccount::company

    Amasty_CompanyAccount::view_account

      Amasty_CompanyAccount::edit_account

  Amasty_CompanyAccount::users

    Amasty_CompanyAccount::users_view

      Amasty_CompanyAccount::users_add

      Amasty_CompanyAccount::users_edit

      Amasty_CompanyAccount::users_delete

  Amasty_CompanyAccount::roles

    Amasty_CompanyAccount::roles_view

      Amasty_CompanyAccount::roles_add

      Amasty_CompanyAccount::roles_edit

      Amasty_CompanyAccount::roles_delete

  Amasty_CompanyAccount::orders

    Amasty_CompanyAccount::orders_add

      Amasty_CompanyAccount::use_credit

    Amasty_CompanyAccount::orders_view

      Amasty_CompanyAccount::orders_all_view

Mapping of existing core permissions to new permissions:

Magento_Company::index

Amasty_CompanyAccount::index

Magento_Company::index

Amasty_CompanyAccount::index

Amasty_CompanyAccount::company

Magento_Company::view_account

Amasty_CompanyAccount::index

Amasty_CompanyAccount::company

Amasty_CompanyAccount::view_account

Magento_Company::edit_account

Amasty_CompanyAccount::index

Amasty_CompanyAccount::company

Amasty_CompanyAccount::view_account

Amasty_CompanyAccount::edit_account

Magento_Company::users

Amasty_CompanyAccount::index

Amasty_CompanyAccount::users

Magento_Company::users_view

Amasty_CompanyAccount::index

Amasty_CompanyAccount::users

Amasty_CompanyAccount::users_view

Magento_Company::users_edit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::users

Amasty_CompanyAccount::users_view

Amasty_CompanyAccount::users_add

Magento_Company::users_edit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::users

Amasty_CompanyAccount::users_view

Amasty_CompanyAccount::users_edit

Magento_Company::users_edit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::users

Amasty_CompanyAccount::users_view

Amasty_CompanyAccount::users_delete

Magento_Company::roles

Amasty_CompanyAccount::index

Amasty_CompanyAccount::roles

Magento_Company::roles_view

Amasty_CompanyAccount::index

Amasty_CompanyAccount::roles

Amasty_CompanyAccount::roles_view

Magento_Company::roles_edit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::roles

Amasty_CompanyAccount::roles_view

Amasty_CompanyAccount::roles_add

Magento_Company::roles_edit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::roles

Amasty_CompanyAccount::roles_view

Amasty_CompanyAccount::roles_edit

Magento_Company::roles_edit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::roles

Amasty_CompanyAccount::roles_view

Amasty_CompanyAccount::roles_delete

Magento_Sales::view_orders

Amasty_CompanyAccount::index

Amasty_CompanyAccount::orders

Magento_Sales::place_order

Amasty_CompanyAccount::index

Amasty_CompanyAccount::orders

Amasty_CompanyAccount::orders_add

Magento_Company::credit

Amasty_CompanyAccount::index

Amasty_CompanyAccount::orders

Amasty_CompanyAccount::orders_add

Amasty_CompanyAccount::use_credit

Magento_Sales::view_orders

Amasty_CompanyAccount::index

Amasty_CompanyAccount::orders

Amasty_CompanyAccount::orders_view

Magento_Sales::view_orders

Amasty_CompanyAccount::index

Amasty_CompanyAccount::orders

Amasty_CompanyAccount::orders_view

Amasty_CompanyAccount::orders_all_view

Full SQL for downgrade steps

Delete attributes

mysql> DELETE FROM eav_attribute WHERE source_model LIKE "Magento\\\\AdminGws
%" OR source_model LIKE "Magento\\\\AdminGwsConfigurableProduct%" OR
source_model LIKE "Magento\\\\AdminGwsStaging%" OR source_model LIKE

"Magento\\\\AdvancedCatalog%" OR source_model LIKE "Magento\\\\AdvancedCheckout%" OR source_model LIKE "Magento\\\\AdvancedRule%" OR source_model LIKE "Magento\\\\AdvancedSalesRule%" OR source_model LIKE "Magento\\\\AwsS3CustomerCustomAttributes%" OR source_model LIKE "Magento\\\\Banner%" OR source_model LIKE "Magento\\\\BannerCustomerSegment%" OR source_model LIKE "Magento\\\\BundleImportExportStaging%" OR source_model LIKE "Magento\\\\BundleStaging%" OR source_model LIKE "Magento\\\\CatalogEvent%" OR source_model LIKE "Magento\\\\CatalogImportExportStaging%" OR source_model LIKE "Magento\\\\CatalogInventoryStaging%" OR source_model LIKE "Magento\\\\CatalogPermissions%" OR source_model LIKE "Magento\\\\CatalogPermissionsGraphQl%" OR source_model LIKE "Magento\\\\CatalogRuleStaging%" OR source_model LIKE "Magento\\\\CatalogStaging%" OR source_model LIKE "Magento\\\\CatalogStagingGraphQl%" OR source_model LIKE "Magento\\\\CatalogUrlRewriteStaging%" OR source_model LIKE "Magento\\\\CheckoutAddressSearch%" OR source_model LIKE "Magento\\\\CheckoutAddressSearchGiftRegistry%" OR source_model LIKE "Magento\\\\CheckoutStaging%" OR source_model LIKE "Magento\\\\CmsStaging%" OR source_model LIKE "Magento\\\\ConfigurableProductStaging%" OR source_model LIKE "Magento\\\\CustomAttributeManagement%" OR source_model LIKE "Magento\\\\CustomerBalance%" OR source_model LIKE "Magento\\\\CustomerBalanceGraphQl%" OR source_model LIKE "Magento\\\\CustomerCustomAttributes%" OR source_model LIKE "Magento\\\\CustomerFinance%" OR source_model LIKE "Magento\\\\CustomerSegment%" OR source_model LIKE "Magento\\\\DownloadableStaging%" OR source_model LIKE "Magento\\\\ElasticsearchCatalogPermissions%" OR source_model LIKE "Magento\\\\Enterprise%" OR source_model LIKE "Magento\\\\GiftCard%" OR source_model LIKE "Magento\\\\GiftCardAccount%" OR source_model LIKE "Magento\\\\GiftCardAccountGraphQl%" OR source_model LIKE "Magento\\\\GiftCardGraphQl%" OR source_model LIKE "Magento\\\\GiftCardImportExport%" OR source_model LIKE "Magento\\\\GiftCardStaging%" OR source_model LIKE "Magento\\\\GiftMessageStaging%" OR source_model LIKE "Magento\\\\GiftRegistry%" OR source_model LIKE "Magento\\\\GiftWrapping%" OR source_model LIKE "Magento\\\\GiftWrappingGraphQl%" OR source_model LIKE "Magento\\\\GiftWrappingStaging%" OR source_model LIKE "Magento\\\\GoogleOptimizerStaging%" OR source_model LIKE "Magento\\\\GoogleTagManager%" OR source_model LIKE "Magento\\\\GroupedProductStaging%" OR source_model LIKE "Magento\\\\Invitation%" OR source_model LIKE "Magento\\\\LayeredNavigationStaging%" OR source_model LIKE "Magento\\\\Logging%" OR source_model LIKE "Magento\\\\LoginAsCustomerLogging%" OR source_model LIKE "Magento\\\\LoginAsCustomerWebsiteRestriction%" OR source_model LIKE "Magento\\\\MediaContentCatalogStaging%" OR source_model LIKE "Magento\\\\MsrpStaging%" OR source_model LIKE "Magento\\\\MultipleWishlist%" OR source_model LIKE "Magento\\\\MultipleWishlistGraphQl%" OR source_model LIKE "Magento\\\\PaymentStaging%" OR source_model LIKE "Magento\\\\PersistentHistory%" OR source_model LIKE "Magento\\\\PricePermissions%" OR source_model LIKE "Magento\\\\ProductVideoStaging%" OR source_model LIKE "Magento\\\\PromotionPermissions%" OR source_model LIKE "Magento\\\\QuoteGiftCardOptions%" OR source_model LIKE "Magento\\\\Reminder%" OR source_model LIKE "Magento\\\\RemoteStorageCommerce%" OR source_model LIKE "Magento\\\\ResourceConnections%" OR source_model LIKE "Magento\\\\ReviewStaging

%" OR source_model LIKE "Magento\\\\Reward%" OR source_model LIKE "Magento\\\\RewardGraphQl%" OR source_model LIKE "Magento\\\\RewardStaging%" OR source_model LIKE "Magento\\\\Rma%" OR source_model LIKE "Magento\\\\RmaGraphQl%" OR source_model LIKE "Magento\\\\RmaStaging%" OR source_model LIKE "Magento\\\\SalesArchive%" OR source_model LIKE "Magento\\\\SalesRuleStaging%" OR source_model LIKE "Magento\\\\ScalableCheckout%" OR source_model LIKE "Magento\\\\ScalableInventory%" OR source_model LIKE "Magento\\\\ScalableOms%" OR source_model LIKE "Magento\\\\ScheduledImportExport%" OR source_model LIKE "Magento\\\\SearchStaging%" OR source_model LIKE "Magento\\\\Staging%" OR source_model LIKE "Magento\\\\StagingGraphQl%" OR source_model LIKE "Magento\\\\Support%" OR source_model LIKE "Magento\\\\Swat%" OR source_model LIKE "Magento\\\\TargetRule%" OR source_model LIKE "Magento\\\\TargetRuleGraphQl%" OR source_model LIKE "Magento\\\\Tinymce3Banner%" OR source_model LIKE "Magento\\\\VersionsCms%" OR source_model LIKE "Magento\\\\VersionsCmsUrlRewrite%" OR source_model LIKE "Magento\\\\VersionsCmsUrlRewriteGraphQl%" OR source_model LIKE "Magento\\\\VisualMerchandiser%" OR source_model LIKE "Magento\\\\WebsiteRestriction%" OR source_model LIKE "Magento\\\\WeeeStaging%" OR source_model LIKE "Magento\\\\WishlistGiftCard%" OR source_model LIKE "Magento\\\\B2b%" OR source_model LIKE "Magento\\\\BundleNegotiableQuote%" OR source_model LIKE "Magento\\\\BundleRequisitionList%" OR source_model LIKE "Magento\\\\BundleRequisitionListGraphQl%" OR source_model LIKE "Magento\\\\BundleSharedCatalog%" OR source_model LIKE "Magento\\\\CheckoutAddressSearchNegotiableQuote%" OR source_model LIKE "Magento\\\\CheckoutAgreementsNegotiableQuote%" OR source_model LIKE "Magento\\\\CheckoutAgreementsPurchaseOrder%" OR source_model LIKE "Magento\\\\Company%" OR source_model LIKE "Magento\\\\CompanyCredit%" OR source_model LIKE "Magento\\\\CompanyCreditGraphQl%" OR source_model LIKE "Magento\\\\CompanyGraphQl%" OR source_model LIKE "Magento\\\\CompanyPayment%" OR source_model LIKE "Magento\\\\CompanyShipping%" OR source_model LIKE "Magento\\\\ConfigurableNegotiableQuote%" OR source_model LIKE "Magento\\\\ConfigurableRequisitionList%" OR source_model LIKE "Magento\\\\ConfigurableRequisitionListGraphQl%" OR source_model LIKE "Magento\\\\ConfigurableSharedCatalog%" OR source_model LIKE "Magento\\\\DownloadableRequisitionListGraphQl%" OR source_model LIKE "Magento\\\\GiftCardNegotiableQuote%" OR source_model LIKE "Magento\\\\GiftCardRequisitionList%" OR source_model LIKE "Magento\\\\GiftCardRequisitionListGraphQl%" OR source_model LIKE "Magento\\\\GiftCardSharedCatalog%" OR source_model LIKE "Magento\\\\GroupedRequisitionList%" OR source_model LIKE "Magento\\\\GroupedSharedCatalog%" OR source_model LIKE "Magento\\\\NegotiableQuote%" OR source_model LIKE "Magento\\\\NegotiableQuoteSharedCatalog%" OR source_model LIKE "Magento\\\\NegotiableQuoteWeee%" OR source_model LIKE "Magento\\\\OrderHistorySearch%" OR source_model LIKE "Magento\\\\PaypalPurchaseOrder%" OR source_model LIKE "Magento\\\\PurchaseOrder%" OR source_model LIKE "Magento\\\\PurchaseOrderRule%" OR source_model LIKE "Magento\\\\QuickOrder%" OR source_model LIKE "Magento\\\\RequisitionList%" OR source_model LIKE "Magento\\\\

RequisitionListGraphQl%" OR source_model LIKE "Magento\\\\SharedCatalog%" OR source_model LIKE "Magento\\\\SharedCatalogGraphQl%";

DELETE FROM eav_attribute WHERE backend_model LIKE "Magento\\\\AdminGws%" OR backend_model LIKE "Magento\\\\AdminGwsConfigurableProduct%" OR backend_model LIKE "Magento\\\\AdminGwsStaging%" OR backend_model LIKE "Magento\\\\AdvancedCatalog%" OR backend_model LIKE "Magento\\\\AdvancedCheckout%" OR backend_model LIKE "Magento\\\\AdvancedRule%" OR backend_model LIKE "Magento\\\\AdvancedSalesRule%" OR backend_model LIKE "Magento\\\\AwsS3CustomerCustomAttributes%" OR backend_model LIKE "Magento\\\\Banner%" OR backend_model LIKE "Magento\\\\BannerCustomerSegment%" OR backend_model LIKE "Magento\\\\BundleImportExportStaging%" OR backend_model LIKE "Magento\\\\BundleStaging%" OR backend_model LIKE "Magento\\\\CatalogEvent%" OR backend_model LIKE "Magento\\\\CatalogImportExportStaging%" OR backend_model LIKE "Magento\\\\CatalogInventoryStaging%" OR backend_model LIKE "Magento\\\\CatalogPermissions%" OR backend_model LIKE "Magento\\\\CatalogPermissionsGraphQl%" OR backend_model LIKE "Magento\\\\CatalogRuleStaging%" OR backend_model LIKE "Magento\\\\CatalogStaging%" OR backend_model LIKE "Magento\\\\CatalogStagingGraphQl%" OR backend_model LIKE "Magento\\\\CatalogUrlRewriteStaging%" OR backend_model LIKE "Magento\\\\CheckoutAddressSearch%" OR backend_model LIKE "Magento\\\\CheckoutAddressSearchGiftRegistry%" OR backend_model LIKE "Magento\\\\CheckoutStaging%" OR backend_model LIKE "Magento\\\\CmsStaging%" OR backend_model LIKE "Magento\\\\ConfigurableProductStaging%" OR backend_model LIKE "Magento\\\\CustomAttributeManagement%" OR backend_model LIKE "Magento\\\\CustomerBalance%" OR backend_model LIKE "Magento\\\\CustomerBalanceGraphQl%" OR backend_model LIKE "Magento\\\\CustomerCustomAttributes%" OR backend_model LIKE "Magento\\\\CustomerFinance%" OR backend_model LIKE "Magento\\\\CustomerSegment%" OR backend_model LIKE "Magento\\\\DownloadableStaging%" OR backend_model LIKE "Magento\\\\ElasticsearchCatalogPermissions%" OR backend_model LIKE "Magento\\\\Enterprise%" OR backend_model LIKE "Magento\\\\GiftCard%" OR backend_model LIKE "Magento\\\\GiftCardAccount%" OR backend_model LIKE "Magento\\\\GiftCardAccountGraphQl%" OR backend_model LIKE "Magento\\\\GiftCardGraphQl%" OR backend_model LIKE "Magento\\\\GiftCardImportExport%" OR backend_model LIKE "Magento\\\\GiftCardStaging%" OR backend_model LIKE "Magento\\\\GiftMessageStaging%" OR backend_model LIKE "Magento\\\\GiftRegistry%" OR backend_model LIKE "Magento\\\\GiftWrapping%" OR backend_model LIKE "Magento\\\\GiftWrappingGraphQl%" OR backend_model LIKE "Magento\\\\GiftWrappingStaging%" OR backend_model LIKE "Magento\\\\GoogleOptimizerStaging%" OR backend_model LIKE "Magento\\\\GoogleTagManager%" OR backend_model LIKE "Magento\\\\GroupedProductStaging%" OR backend_model LIKE "Magento\\\\Invitation%" OR backend_model LIKE "Magento\\\\LayeredNavigationStaging%" OR backend_model LIKE "Magento\\\\Logging%" OR backend_model LIKE "Magento\\\\LoginAsCustomerLogging%" OR backend_model LIKE "Magento\\\\LoginAsCustomerWebsiteRestriction%" OR backend_model LIKE "Magento\\\\MediaContentCatalogStaging%" OR backend_model LIKE "Magento\\\\MsrpStaging%" OR

backend_model LIKE "Magento\\\\MultipleWishlist%" OR backend_model LIKE "Magento\\\\MultipleWishlistGraphQl%" OR backend_model LIKE "Magento\\\\PaymentStaging%" OR backend_model LIKE "Magento\\\\PersistentHistory%" OR backend_model LIKE "Magento\\\\PricePermissions%" OR backend_model LIKE "Magento\\\\ProductVideoStaging%" OR backend_model LIKE "Magento\\\\PromotionPermissions%" OR backend_model LIKE "Magento\\\\QuoteGiftCardOptions%" OR backend_model LIKE "Magento\\\\Reminder%" OR backend_model LIKE "Magento\\\\RemoteStorageCommerce%" OR backend_model LIKE "Magento\\\\ResourceConnections%" OR backend_model LIKE "Magento\\\\ReviewStaging%" OR backend_model LIKE "Magento\\\\Reward%" OR backend_model LIKE "Magento\\\\RewardGraphQl%" OR backend_model LIKE "Magento\\\\RewardStaging%" OR backend_model LIKE "Magento\\\\Rma%" OR backend_model LIKE "Magento\\\\RmaGraphQl%" OR backend_model LIKE "Magento\\\\RmaStaging%" OR backend_model LIKE "Magento\\\\SalesArchive%" OR backend_model LIKE "Magento\\\\SalesRuleStaging%" OR backend_model LIKE "Magento\\\\ScalableCheckout%" OR backend_model LIKE "Magento\\\\ScalableInventory%" OR backend_model LIKE "Magento\\\\ScalableOms%" OR backend_model LIKE "Magento\\\\ScheduledImportExport%" OR backend_model LIKE "Magento\\\\SearchStaging%" OR backend_model LIKE "Magento\\\\Staging%" OR backend_model LIKE "Magento\\\\StagingGraphQl%" OR backend_model LIKE "Magento\\\\Support%" OR backend_model LIKE "Magento\\\\Swat%" OR backend_model LIKE "Magento\\\\TargetRule%" OR backend_model LIKE "Magento\\\\TargetRuleGraphQl%" OR backend_model LIKE "Magento\\\\Tinymce3Banner%" OR backend_model LIKE "Magento\\\\VersionsCms%" OR backend_model LIKE "Magento\\\\VersionsCmsUrlRewrite%" OR backend_model LIKE "Magento\\\\VersionsCmsUrlRewriteGraphQl%" OR backend_model LIKE "Magento\\\\VisualMerchandiser%" OR backend_model LIKE "Magento\\\\WebsiteRestriction%" OR backend_model LIKE "Magento\\\\WeeeStaging%" OR backend_model LIKE "Magento\\\\WishlistGiftCard%" OR backend_model LIKE "Magento\\\\B2b%" OR backend_model LIKE "Magento\\\\BundleNegotiableQuote%" OR backend_model LIKE "Magento\\\\BundleRequisitionList%" OR backend_model LIKE "Magento\\\\BundleRequisitionListGraphQl%" OR backend_model LIKE "Magento\\\\BundleSharedCatalog%" OR backend_model LIKE "Magento\\\\CheckoutAddressSearchNegotiableQuote%" OR backend_model LIKE "Magento\\\\CheckoutAgreementsNegotiableQuote%" OR backend_model LIKE "Magento\\\\CheckoutAgreementsPurchaseOrder%" OR backend_model LIKE "Magento\\\\Company%" OR backend_model LIKE "Magento\\\\CompanyCredit%" OR backend_model LIKE "Magento\\\\CompanyCreditGraphQl%" OR backend_model LIKE "Magento\\\\CompanyGraphQl%" OR backend_model LIKE "Magento\\\\CompanyPayment%" OR backend_model LIKE "Magento\\\\CompanyShipping%" OR backend_model LIKE "Magento\\\\ConfigurableNegotiableQuote%" OR backend_model LIKE "Magento\\\\ConfigurableRequisitionList%" OR backend_model LIKE "Magento\\\\ConfigurableRequisitionListGraphQl%" OR backend_model LIKE "Magento\\\\ConfigurableSharedCatalog%" OR backend_model LIKE "Magento\\\\DownloadableRequisitionListGraphQl%" OR backend_model LIKE "Magento\\\\GiftCardNegotiableQuote%" OR backend_model LIKE "Magento\\\\GiftCardRequisitionList%" OR backend_model LIKE "Magento\\\\GiftCardRequisitionListGraphQl%" OR

backend_model LIKE "Magento\\\\GiftCardSharedCatalog%" OR backend_model LIKE "Magento\\\\GroupedRequisitionList%" OR backend_model LIKE "Magento\\\\GroupedSharedCatalog%" OR backend_model LIKE "Magento\\\\NegotiableQuote%" OR backend_model LIKE "Magento\\\\NegotiableQuoteSharedCatalog%" OR backend_model LIKE "Magento\\\\NegotiableQuoteWeee%" OR backend_model LIKE "Magento\\\\OrderHistorySearch%" OR backend_model LIKE "Magento\\\\PaypalPurchaseOrder%" OR backend_model LIKE "Magento\\\\PurchaseOrder%" OR backend_model LIKE "Magento\\\\PurchaseOrderRule%" OR backend_model LIKE "Magento\\\\QuickOrder%" OR backend_model LIKE "Magento\\\\RequisitionList%" OR backend_model LIKE "Magento\\\\RequisitionListGraphQl%" OR backend_model LIKE "Magento\\\\SharedCatalog%" OR backend_model LIKE "Magento\\\\SharedCatalogGraphQl%";

DELETE FROM eav_attribute WHERE frontend_model LIKE "Magento\\\\AdminGws%" OR frontend_model LIKE "Magento\\\\AdminGwsConfigurableProduct%" OR frontend_model LIKE "Magento\\\\AdminGwsStaging%" OR frontend_model LIKE "Magento\\\\AdvancedCatalog%" OR frontend_model LIKE "Magento\\\\AdvancedCheckout%" OR frontend_model LIKE "Magento\\\\AdvancedRule%" OR frontend_model LIKE "Magento\\\\AdvancedSalesRule%" OR frontend_model LIKE "Magento\\\\AwsS3CustomerCustomAttributes%" OR frontend_model LIKE "Magento\\\\Banner%" OR frontend_model LIKE "Magento\\\\BannerCustomerSegment%" OR frontend_model LIKE "Magento\\\\BundleImportExportStaging%" OR frontend_model LIKE "Magento\\\\BundleStaging%" OR frontend_model LIKE "Magento\\\\CatalogEvent%" OR frontend_model LIKE "Magento\\\\CatalogImportExportStaging%" OR frontend_model LIKE "Magento\\\\CatalogInventoryStaging%" OR frontend_model LIKE "Magento\\\\CatalogPermissions%" OR frontend_model LIKE "Magento\\\\CatalogPermissionsGraphQl%" OR frontend_model LIKE "Magento\\\\CatalogRuleStaging%" OR frontend_model LIKE "Magento\\\\CatalogStaging%" OR frontend_model LIKE "Magento\\\\CatalogStagingGraphQl%" OR frontend_model LIKE "Magento\\\\CatalogUrlRewriteStaging%" OR frontend_model LIKE "Magento\\\\CheckoutAddressSearch%" OR frontend_model LIKE "Magento\\\\CheckoutAddressSearchGiftRegistry%" OR frontend_model LIKE "Magento\\\\CheckoutStaging%" OR frontend_model LIKE "Magento\\\\CmsStaging%" OR frontend_model LIKE "Magento\\\\ConfigurableProductStaging%" OR frontend_model LIKE "Magento\\\\CustomAttributeManagement%" OR frontend_model LIKE "Magento\\\\CustomerBalance%" OR frontend_model LIKE "Magento\\\\CustomerBalanceGraphQl%" OR frontend_model LIKE "Magento\\\\CustomerCustomAttributes%" OR frontend_model LIKE "Magento\\\\CustomerFinance%" OR frontend_model LIKE "Magento\\\\CustomerSegment%" OR frontend_model LIKE "Magento\\\\DownloadableStaging%" OR frontend_model LIKE "Magento\\\\ElasticsearchCatalogPermissions%" OR frontend_model LIKE "Magento\\\\Enterprise%" OR frontend_model LIKE "Magento\\\\GiftCard%" OR frontend_model LIKE "Magento\\\\GiftCardAccount%" OR frontend_model LIKE "Magento\\\\GiftCardAccountGraphQl%" OR frontend_model LIKE "Magento\\\\GiftCardGraphQl%" OR frontend_model LIKE "Magento\\\\GiftCardImportExport%" OR frontend_model LIKE "Magento\\\\GiftCardStaging%" OR frontend_model LIKE "Magento\\\\GiftMessageStaging%" OR frontend_model LIKE "Magento\\\\GiftRegistry%" OR frontend_model LIKE "Magento\\\\GiftWrapping%" OR frontend_model LIKE

"Magento\\\\GiftWrappingGraphQl%" OR frontend_model LIKE "Magento\\\\GiftWrappingStaging%" OR frontend_model LIKE "Magento\\\\GoogleOptimizerStaging%" OR frontend_model LIKE "Magento\\\\GoogleTagManager%" OR frontend_model LIKE "Magento\\\\GroupedProductStaging%" OR frontend_model LIKE "Magento\\\\Invitation%" OR frontend_model LIKE "Magento\\\\LayeredNavigationStaging%" OR frontend_model LIKE "Magento\\\\Logging%" OR frontend_model LIKE "Magento\\\\LoginAsCustomerLogging%" OR frontend_model LIKE "Magento\\\\LoginAsCustomerWebsiteRestriction%" OR frontend_model LIKE "Magento\\\\MediaContentCatalogStaging%" OR frontend_model LIKE "Magento\\\\MsrpStaging%" OR frontend_model LIKE "Magento\\\\MultipleWishlist%" OR frontend_model LIKE "Magento\\\\MultipleWishlistGraphQl%" OR frontend_model LIKE "Magento\\\\PaymentStaging%" OR frontend_model LIKE "Magento\\\\PersistentHistory%" OR frontend_model LIKE "Magento\\\\PricePermissions%" OR frontend_model LIKE "Magento\\\\ProductVideoStaging%" OR frontend_model LIKE "Magento\\\\PromotionPermissions%" OR frontend_model LIKE "Magento\\\\QuoteGiftCardOptions%" OR frontend_model LIKE "Magento\\\\Reminder%" OR frontend_model LIKE "Magento\\\\RemoteStorageCommerce%" OR frontend_model LIKE "Magento\\\\ResourceConnections%" OR frontend_model LIKE "Magento\\\\ReviewStaging%" OR frontend_model LIKE "Magento\\\\Reward%" OR frontend_model LIKE "Magento\\\\RewardGraphQl%" OR frontend_model LIKE "Magento\\\\RewardStaging%" OR frontend_model LIKE "Magento\\\\Rma%" OR frontend_model LIKE "Magento\\\\RmaGraphQl%" OR frontend_model LIKE "Magento\\\\RmaStaging%" OR frontend_model LIKE "Magento\\\\SalesArchive%" OR frontend_model LIKE "Magento\\\\SalesRuleStaging%" OR frontend_model LIKE "Magento\\\\ScalableCheckout%" OR frontend_model LIKE "Magento\\\\ScalableInventory%" OR frontend_model LIKE "Magento\\\\ScalableOms%" OR frontend_model LIKE "Magento\\\\ScheduledImportExport%" OR frontend_model LIKE "Magento\\\\SearchStaging%" OR frontend_model LIKE "Magento\\\\Staging%" OR frontend_model LIKE "Magento\\\\StagingGraphQl%" OR frontend_model LIKE "Magento\\\\Support%" OR frontend_model LIKE "Magento\\\\Swat%" OR frontend_model LIKE "Magento\\\\TargetRule%" OR frontend_model LIKE "Magento\\\\TargetRuleGraphQl%" OR frontend_model LIKE "Magento\\\\Tinymce3Banner%" OR frontend_model LIKE "Magento\\\\VersionsCms%" OR frontend_model LIKE "Magento\\\\VersionsCmsUrlRewrite%" OR frontend_model LIKE "Magento\\\\VersionsCmsUrlRewriteGraphQl%" OR frontend_model LIKE "Magento\\\\VisualMerchandiser%" OR frontend_model LIKE "Magento\\\\WebsiteRestriction%" OR frontend_model LIKE "Magento\\\\WeeeStaging%" OR frontend_model LIKE "Magento\\\\WishlistGiftCard%" OR frontend_model LIKE "Magento\\\\B2b%" OR frontend_model LIKE "Magento\\\\BundleNegotiableQuote%" OR frontend_model LIKE "Magento\\\\BundleRequisitionList%" OR frontend_model LIKE "Magento\\\\BundleRequisitionListGraphQl%" OR frontend_model LIKE "Magento\\\\BundleSharedCatalog%" OR frontend_model LIKE "Magento\\\\CheckoutAddressSearchNegotiableQuote%" OR frontend_model LIKE "Magento\\\\CheckoutAgreementsNegotiableQuote%" OR frontend_model LIKE "Magento\\\\CheckoutAgreementsPurchaseOrder%" OR frontend_model LIKE "Magento\\\\Company%" OR frontend_model LIKE "Magento\\\\CompanyCredit%" OR frontend_model LIKE "Magento\\\\CompanyCreditGraphQl%" OR frontend_model LIKE "Magento\\\\CompanyGraphQl%" OR frontend_model LIKE "Magento\\\\CompanyPayment%" OR

frontend_model LIKE "Magento\\\\CompanyShipping%" OR frontend_model LIKE "Magento\\\\ConfigurableNegotiableQuote%" OR frontend_model LIKE "Magento\\\\ConfigurableRequisitionList%" OR frontend_model LIKE "Magento\\\\ConfigurableRequisitionListGraphQl%" OR frontend_model LIKE "Magento\\\\ConfigurableSharedCatalog%" OR frontend_model LIKE "Magento\\\\DownloadableRequisitionListGraphQl%" OR frontend_model LIKE "Magento\\\\GiftCardNegotiableQuote%" OR frontend_model LIKE "Magento\\\\GiftCardRequisitionList%" OR frontend_model LIKE "Magento\\\\GiftCardRequisitionListGraphQl%" OR frontend_model LIKE "Magento\\\\GiftCardSharedCatalog%" OR frontend_model LIKE "Magento\\\\GroupedRequisitionList%" OR frontend_model LIKE "Magento\\\\GroupedSharedCatalog%" OR frontend_model LIKE "Magento\\\\NegotiableQuote%" OR frontend_model LIKE "Magento\\\\NegotiableQuoteSharedCatalog%" OR frontend_model LIKE "Magento\\\\NegotiableQuoteWeee%" OR frontend_model LIKE "Magento\\\\OrderHistorySearch%" OR frontend_model LIKE "Magento\\\\PaypalPurchaseOrder%" OR frontend_model LIKE "Magento\\\\PurchaseOrder%" OR frontend_model LIKE "Magento\\\\PurchaseOrderRule%" OR frontend_model LIKE "Magento\\\\QuickOrder%" OR frontend_model LIKE "Magento\\\\RequisitionList%" OR frontend_model LIKE "Magento\\\\RequisitionListGraphQl%" OR frontend_model LIKE "Magento\\\\SharedCatalog%" OR frontend_model LIKE "Magento\\\\SharedCatalogGraphQl%";

Remove commerce database tables

mysql> SET foreign_key_checks = 0;

    DROP TABLE IF EXISTS email_b2b_quote, magento_salesrule_filter, magento_banner, magento_banner_content, magento_banner_catalogrule, magento_banner_salesrule, magento_banner_customersegment, magento_catalogevent_event, magento_catalogevent_event_image, magento_catalogpermissions, magento_catalogpermissions_index, magento_catalogpermissions_index_product, magento_catalogpermissions_index_product_replica, magento_catalogpermissions_index_tmp, magento_catalogpermissions_index_product_tmp, magento_catalogpermissions_index_replica, quote_preview, magento_customerbalance, magento_customerbalance_history, magento_customercustomattributes_sales_flat_order, magento_customercustomattributes_sales_flat_order_address, magento_customercustomattributes_sales_flat_quote, magento_customercustomattributes_sales_flat_quote_address, magento_customersegment_segment, magento_customersegment_website, magento_customersegment_customer, magento_customersegment_event, magento_giftcard_amount, magento_giftcardaccount, magento_giftcardaccount_pool, magento_giftcardaccount_history, magento_giftregistry_type, magento_giftregistry_type_info, magento_giftregistry_label, magento_giftregistry_entity, magento_giftregistry_item, magento_giftregistry_person, magento_giftregistry_data, magento_giftregistry_item_option, magento_giftwrapping, magento_giftwrapping_store_attributes, magento_giftwrapping_website, magento_invitation, magento_invitation_status_history, magento_invitation_track,

magento_logging_event, magento_logging_event_changes, negotiable_quote,
negotiable_quote_grid, negotiable_quote_comment,
negotiable_quote_comment_attachment, negotiable_quote_history,
negotiable_quote_item, negotiable_quote_purged_content, pagebuilder_template,
purchase_order, purchase_order_approved_by, purchase_order_log,
purchase_order_comment, purchase_order_rule, purchase_order_rule_approver,
purchase_order_rule_applies_to, purchase_order_applied_rule,
purchase_order_applied_rule_approver, magento_reminder_rule,
magento_reminder_rule_website, magento_reminder_template,
magento_reminder_rule_coupon, magento_reminder_rule_log, requisition_list,
requisition_list_item, magento_reward, magento_reward_history, magento_reward_rate,
magento_reward_salesrule, magento_sales_order_grid_archive,
magento_sales_invoice_grid_archive, magento_sales_creditmemo_grid_archive,
magento_sales_shipment_grid_archive, magento_scheduled_operations, staging_update,
shared_catalog, shared_catalog_product_item, sharedcatalog_category_permissions,
support_backup, support_backup_item, support_report, magento_targetrule,
magento_targetrule_customersegment, magento_targetrule_product,
magento_targetrule_index, magento_targetrule_index_related,
magento_targetrule_index_upsell, magento_targetrule_index_crosssell,
magento_targetrule_index_crosssell_product, magento_targetrule_index_related_product,
magento_targetrule_index_upsell_product, magento_versionscms_increment,
magento_versionscms_hierarchy_node, magento_versionscms_hierarchy_metadata,
magento_versionscms_hierarchy_lock, visual_merchandiser_rule,
negotiable_quote_company_config, purchase_order_company_config, salesrule_rule_cl,
targetrule_product_rule_cl, targetrule_rule_product_cl;

        SET foreign_key_checks = 1;

Remove database setup entries.

mysql> DELETE FROM setup_module WHERE module="Magento_AdminGws" OR
module="Magento_AdminGwsConfigurableProduct" OR
module="Magento_AdminGwsStaging" OR module="Magento_AdvancedCatalog" OR
module="Magento_AdvancedCheckout" OR module="Magento_AdvancedRule" OR
module="Magento_AdvancedSalesRule" OR
module="Magento_AwsS3CustomerCustomAttributes" OR module="Magento_Banner"
OR module="Magento_BannerCustomerSegment" OR
module="Magento_BundleImportExportStaging" OR module="Magento_BundleStaging"
OR module="Magento_CatalogEvent" OR
module="Magento_CatalogImportExportStaging" OR
module="Magento_CatalogInventoryStaging" OR module="Magento_CatalogPermissions"
OR module="Magento_CatalogPermissionsGraphQl" OR
module="Magento_CatalogRuleStaging" OR module="Magento_CatalogStaging" OR
module="Magento_CatalogStagingGraphQl" OR
module="Magento_CatalogUrlRewriteStaging" OR
module="Magento_CheckoutAddressSearch" OR
module="Magento_CheckoutAddressSearchGiftRegistry" OR

module="Magento_CheckoutStaging" OR module="Magento_CmsStaging" OR module="Magento_ConfigurableProductStaging" OR module="Magento_CustomAttributeManagement" OR module="Magento_CustomerBalance" OR module="Magento_CustomerBalanceGraphQl" OR module="Magento_CustomerCustomAttributes" OR module="Magento_CustomerFinance" OR module="Magento_CustomerSegment" OR module="Magento_DownloadableStaging" OR module="Magento_ElasticsearchCatalogPermissions" OR module="Magento_Enterprise" OR module="Magento_GiftCard" OR module="Magento_GiftCardAccount" OR module="Magento_GiftCardAccountGraphQl" OR module="Magento_GiftCardGraphQl" OR module="Magento_GiftCardImportExport" OR module="Magento_GiftCardStaging" OR module="Magento_GiftMessageStaging" OR module="Magento_GiftRegistry" OR module="Magento_GiftWrapping" OR module="Magento_GiftWrappingGraphQl" OR module="Magento_GiftWrappingStaging" OR module="Magento_GoogleOptimizerStaging" OR module="Magento_GoogleTagManager" OR module="Magento_GroupedProductStaging" OR module="Magento_Invitation" OR module="Magento_LayeredNavigationStaging" OR module="Magento_Logging" OR module="Magento_LoginAsCustomerLogging" OR module="Magento_LoginAsCustomerWebsiteRestriction" OR module="Magento_MediaContentCatalogStaging" OR module="Magento_MsrpStaging" OR module="Magento_MultipleWishlist" OR module="Magento_MultipleWishlistGraphQl" OR module="Magento_PaymentStaging" OR module="Magento_PersistentHistory" OR module="Magento_PricePermissions" OR module="Magento_ProductVideoStaging" OR module="Magento_PromotionPermissions" OR module="Magento_QuoteGiftCardOptions" OR module="Magento_Reminder" OR module="Magento_RemoteStorageCommerce" OR module="Magento_ResourceConnections" OR module="Magento_ReviewStaging" OR module="Magento_Reward" OR module="Magento_RewardGraphQl" OR module="Magento_RewardStaging" OR module="Magento_Rma" OR module="Magento_RmaGraphQl" OR module="Magento_RmaStaging" OR module="Magento_SalesArchive" OR module="Magento_SalesRuleStaging" OR module="Magento_ScalableCheckout" OR module="Magento_ScalableInventory" OR module="Magento_ScalableOms" OR module="Magento_ScheduledImportExport" OR module="Magento_SearchStaging" OR module="Magento_Staging" OR module="Magento_StagingGraphQl" OR module="Magento_Support" OR module="Magento_Swat" OR module="Magento_TargetRule" OR module="Magento_TargetRuleGraphQl" OR module="Magento_Tinymce3Banner" OR module="Magento_VersionsCms" OR module="Magento_VersionsCmsUrlRewrite" OR module="Magento_VersionsCmsUrlRewriteGraphQl" OR module="Magento_VisualMerchandiser" OR module="Magento_WebsiteRestriction" OR module="Magento_WeeeStaging" OR module="Magento_WishlistGiftCard" OR module="Magento_B2b" OR module="Magento_BundleNegotiableQuote" OR module="Magento_BundleRequisitionList" OR module="Magento_BundleRequisitionListGraphQl" OR module="Magento_BundleSharedCatalog" OR module="Magento_CheckoutAddressSearchNegotiableQuote" OR module="Magento_CheckoutAgreementsNegotiableQuote" OR

module="Magento_CheckoutAgreementsPurchaseOrder" OR
module="Magento_Company" OR module="Magento_CompanyCredit" OR
module="Magento_CompanyCreditGraphQl" OR module="Magento_CompanyGraphQl"
OR module="Magento_CompanyPayment" OR module="Magento_CompanyShipping" OR
module="Magento_ConfigurableNegotiableQuote" OR
module="Magento_ConfigurableRequisitionList" OR
module="Magento_ConfigurableRequisitionListGraphQl" OR
module="Magento_ConfigurableSharedCatalog" OR
module="Magento_DownloadableRequisitionListGraphQl" OR
module="Magento_GiftCardNegotiableQuote" OR
module="Magento_GiftCardRequisitionList" OR
module="Magento_GiftCardRequisitionListGraphQl" OR
module="Magento_GiftCardSharedCatalog" OR
module="Magento_GroupedRequisitionList" OR
module="Magento_GroupedSharedCatalog" OR module="Magento_NegotiableQuote" OR
module="Magento_NegotiableQuoteSharedCatalog" OR
module="Magento_NegotiableQuoteWeee" OR module="Magento_OrderHistorySearch"
OR module="Magento_PaypalPurchaseOrder" OR module="Magento_PurchaseOrder"
OR module="Magento_PurchaseOrderRule" OR module="Magento_QuickOrder" OR
module="Magento_RequisitionList" OR module="Magento_RequisitionListGraphQl" OR
module="Magento_SharedCatalog" OR module="Magento_SharedCatalogGraphQl";

Drop Commerce constraints

mysql> SET FOREIGN_KEY_CHECKS=0;

    ALTER TABLE `catalog_category_entity`

      DROP FOREIGN KEY
`CAT_CTGR_ENTT_ENTT_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL`;

    ALTER TABLE `catalog_category_entity_datetime`

      DROP FOREIGN KEY
`CAT_CTGR_ENTT_DTIME_ROW_ID_CAT_CTGR_ENTT_ROW_ID`;

    ALTER TABLE `catalog_category_entity_decimal`

      DROP FOREIGN KEY
`CAT_CTGR_ENTT_DEC_ROW_ID_CAT_CTGR_ENTT_ROW_ID`;

    ALTER TABLE `catalog_category_entity_int`

      DROP FOREIGN KEY
`CAT_CTGR_ENTT_INT_ROW_ID_CAT_CTGR_ENTT_ROW_ID`;

    ALTER TABLE `catalog_category_entity_text`

      DROP FOREIGN KEY
`CAT_CTGR_ENTT_TEXT_ROW_ID_CAT_CTGR_ENTT_ROW_ID`;

    ALTER TABLE `catalog_category_entity_varchar`

DROP FOREIGN KEY
`CAT_CTGR_ENTT_VCHR_ROW_ID_CAT_CTGR_ENTT_ROW_ID`;

ALTER TABLE `catalog_category_product`

DROP FOREIGN KEY
`CAT_CTGR_PRD_CTGR_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL`,

DROP FOREIGN KEY
`CAT_CTGR_PRD_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

ALTER TABLE `catalog_compare_item`

DROP FOREIGN KEY
`CATALOG_COMPARE_ITEM_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VA
LUE`;

ALTER TABLE `catalog_product_bundle_option`

DROP FOREIGN KEY
`CAT_PRD_BNDL_OPT_PARENT_ID_CAT_PRD_ENTT_ROW_ID`,

DROP FOREIGN KEY
`CAT_PRD_BNDL_OPT_OPT_ID_SEQUENCE_PRD_BNDL_OPT_SEQUENCE_VAL`;

ALTER TABLE `catalog_product_bundle_option_value`

DROP FOREIGN KEY
`CAT_PRD_BNDL_OPT_VAL_OPT_ID_SEQUENCE_PRD_BNDL_OPT_SEQUENCE_VA
L`,

DROP FOREIGN KEY
`CAT_PRD_BNDL_OPT_VAL_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`;

ALTER TABLE `catalog_product_bundle_price_index`

DROP FOREIGN KEY
`CAT_PRD_BNDL_PRICE_IDX_ENTT_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

ALTER TABLE `catalog_product_bundle_selection`

DROP FOREIGN KEY
`CAT_PRD_BNDL_SELECTION_OPT_ID_SEQUENCE_PRD_BNDL_OPT_SEQUENCE_
VAL`,

DROP FOREIGN KEY
`CAT_PRD_BNDL_SELECTION_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`,

DROP FOREIGN KEY
`CAT_PRD_BNDL_SELECTION_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`,

DROP FOREIGN KEY `FK_606117FEB5F50D0182CEC9D260C05DD2`;

ALTER TABLE `catalog_product_bundle_selection_price`

```
        DROP FOREIGN KEY
`CAT_PRD_BNDL_SELECTION_PRICE_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`
,
        DROP FOREIGN KEY `FK_AE9FDBF7988FB6BE3E04D91DA2CFB273`;

    ALTER TABLE `catalog_product_entity`

        DROP FOREIGN KEY
`CATALOG_PRODUCT_ENTITY_ENTITY_ID_SEQUENCE_PRODUCT_SEQUENCE_VA
LUE`;

    ALTER TABLE `catalog_product_entity_datetime`

        DROP FOREIGN KEY
`CAT_PRD_ENTT_DTIME_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_entity_decimal`

        DROP FOREIGN KEY
`CAT_PRD_ENTT_DEC_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_entity_gallery`

        DROP FOREIGN KEY
`CAT_PRD_ENTT_GLR_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_entity_int`

        DROP FOREIGN KEY
`CATALOG_PRODUCT_ENTITY_INT_ROW_ID_CATALOG_PRODUCT_ENTITY_ROW_I
D`;

    ALTER TABLE `catalog_product_entity_media_gallery_value`

        DROP FOREIGN KEY
`CAT_PRD_ENTT_MDA_GLR_VAL_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_entity_media_gallery_value_to_entity`

        DROP FOREIGN KEY
`CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_entity_text`

        DROP FOREIGN KEY
`CATALOG_PRODUCT_ENTITY_TEXT_ROW_ID_CATALOG_PRODUCT_ENTITY_ROW
_ID`;

    ALTER TABLE `catalog_product_entity_tier_price`

        DROP FOREIGN KEY
`CAT_PRD_ENTT_TIER_PRICE_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_entity_varchar`
```

```
        DROP FOREIGN KEY
`CAT_PRD_ENTT_VCHR_ROW_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_index_tier_price`

        DROP FOREIGN KEY
`CAT_PRD_IDX_TIER_PRICE_ENTT_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

    ALTER TABLE `catalog_product_link`

        DROP FOREIGN KEY
`CATALOG_PRODUCT_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID`
,

        DROP FOREIGN KEY
`CAT_PRD_LNK_LNKED_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

    ALTER TABLE `catalog_product_option`

        DROP FOREIGN KEY
`CATALOG_PRODUCT_OPTION_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW
_ID`;

    ALTER TABLE `catalog_product_relation`

        DROP FOREIGN KEY
`CATALOG_PRODUCT_RELATION_PARENT_ID_CATALOG_PRODUCT_ENTITY_ROW
_ID`,

        DROP FOREIGN KEY
`CAT_PRD_RELATION_CHILD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

    ALTER TABLE `catalog_product_super_attribute`

        DROP FOREIGN KEY
`CAT_PRD_SPR_ATTR_PRD_ID_CAT_PRD_ENTT_ROW_ID`;

    ALTER TABLE `catalog_product_super_link`

        DROP FOREIGN KEY
`CAT_PRD_SPR_LNK_PARENT_ID_CAT_PRD_ENTT_ROW_ID`,

        DROP FOREIGN KEY
`CAT_PRD_SPR_LNK_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

    ALTER TABLE `catalog_product_website`

        DROP FOREIGN KEY
`CAT_PRD_WS_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

    ALTER TABLE `catalog_url_rewrite_product_category`

        DROP FOREIGN KEY
`CAT_URL_REWRITE_PRD_CTGR_CTGR_ID_SEQUENCE_CAT_CTGR_SEQUENCE_
VAL`,
```

DROP FOREIGN KEY
`CAT_URL_REWRITE_PRD_CTGR_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

ALTER TABLE `cataloginventory_stock_item`

DROP FOREIGN KEY
`CATINV_STOCK_ITEM_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

ALTER TABLE `catalogrule`

DROP FOREIGN KEY
`CATALOGRULE_RULE_ID_SEQUENCE_CATALOGRULE_SEQUENCE_VALUE`;

ALTER TABLE `catalogrule_customer_group`

DROP FOREIGN KEY
`CATALOGRULE_CUSTOMER_GROUP_ROW_ID_CATALOGRULE_ROW_ID`;

ALTER TABLE `catalogrule_website`

DROP FOREIGN KEY
`CATALOGRULE_WEBSITE_ROW_ID_CATALOGRULE_ROW_ID`;

ALTER TABLE `cms_block`

DROP FOREIGN KEY
`CMS_BLOCK_BLOCK_ID_SEQUENCE_CMS_BLOCK_SEQUENCE_VALUE`;

ALTER TABLE `cms_block_store`

DROP FOREIGN KEY
`CMS_BLOCK_STORE_ROW_ID_CMS_BLOCK_ROW_ID`;

ALTER TABLE `cms_page`

DROP FOREIGN KEY
`CMS_PAGE_PAGE_ID_SEQUENCE_CMS_PAGE_SEQUENCE_VALUE`;

ALTER TABLE `cms_page_store`

DROP FOREIGN KEY `CMS_PAGE_STORE_ROW_ID_CMS_PAGE_ROW_ID`;

ALTER TABLE `downloadable_link`

DROP FOREIGN KEY
`DOWNLOADABLE_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID`;

ALTER TABLE `downloadable_sample`

DROP FOREIGN KEY
`DOWNLOADABLE_SAMPLE_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ROW_ID`
;

ALTER TABLE `email_catalog`

DROP FOREIGN KEY
`EMAIL_CATALOG_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE`;

ALTER TABLE `product_alert_price`

DROP FOREIGN KEY
`PRODUCT_ALERT_PRICE_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VAL
UE`;

ALTER TABLE `product_alert_stock`

DROP FOREIGN KEY
`PRODUCT_ALERT_STOCK_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VA
LUE`;

ALTER TABLE `report_compared_product_index`

DROP FOREIGN KEY
`REPORT_CMPD_PRD_IDX_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

ALTER TABLE `report_viewed_product_aggregated_daily`

DROP FOREIGN KEY
`REPORT_VIEWED_PRD_AGGRED_DAILY_PRD_ID_SEQUENCE_PRD_SEQUENCE_
VAL`;

ALTER TABLE `report_viewed_product_aggregated_monthly`

DROP FOREIGN KEY `FK_0140003A30AFC1A9188D723C4634BA5D`;

ALTER TABLE `report_viewed_product_aggregated_yearly`

DROP FOREIGN KEY
`REPORT_VIEWED_PRD_AGGRED_YEARLY_PRD_ID_SEQUENCE_PRD_SEQUENC
E_VAL`;

ALTER TABLE `report_viewed_product_index`

DROP FOREIGN KEY
`REPORT_VIEWED_PRD_IDX_PRD_ID_SEQUENCE_PRD_SEQUENCE_VAL`;

ALTER TABLE `salesrule`

DROP FOREIGN KEY
`SALESRULE_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE`;

ALTER TABLE `salesrule_coupon`

DROP FOREIGN KEY
`SALESRULE_COUPON_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE`;

ALTER TABLE `salesrule_customer`

DROP FOREIGN KEY
`SALESRULE_CUSTOMER_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE`
;

ALTER TABLE `salesrule_customer_group`

DROP FOREIGN KEY
`SALESRULE_CUSTOMER_GROUP_ROW_ID_SALESRULE_ROW_ID`;

ALTER TABLE `salesrule_label`

DROP FOREIGN KEY
`SALESRULE_LABEL_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE`;

ALTER TABLE `salesrule_product_attribute`

DROP FOREIGN KEY
`SALESRULE_PRODUCT_ATTRIBUTE_ROW_ID_SALESRULE_ROW_ID`;

ALTER TABLE `salesrule_website`

DROP FOREIGN KEY
`SALESRULE_WEBSITE_ROW_ID_SALESRULE_ROW_ID`;

ALTER TABLE `weee_tax`

DROP FOREIGN KEY
`WEEE_TAX_ENTITY_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE`;

ALTER TABLE `wishlist_item`

DROP FOREIGN KEY
`WISHLIST_ITEM_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VALUE`;

ALTER TABLE `amasty_banners_lite_banner_data`

DROP FOREIGN KEY
`AMASTY_BANNERS_LITE_BANNER_DATA_SALESRULE_ID_SALESRULE_RULE_ID`;

ALTER TABLE `amasty_banners_lite_rule`

DROP FOREIGN KEY
`AMASTY_BANNERS_LITE_RULE_SALESRULE_ID_SALESRULE_RULE_ID`;

ALTER TABLE `amasty_acart_history`

DROP FOREIGN KEY
`AMASTY_ACART_HISTORY_SALES_RULE_ID_SALESRULE_RULE_ID`;

ALTER TABLE `amasty_acart_schedule`

DROP FOREIGN KEY
`AMASTY_ACART_SCHEDULE_SALES_RULE_ID_SALESRULE_RULE_ID`;

ALTER TABLE `amasty_amrules_rule`

DROP FOREIGN KEY
`AMASTY_AMRULES_RULE_SALESRULE_ID_SALESRULE_ROW_ID`;

ALTER TABLE `smile_elasticsuitecatalog_category_filterable_attribute`

DROP FOREIGN KEY `FK_8B0BDE1CA9474CFD234FCD0FEBDC0225`;

ALTER TABLE `smile_virtualcategory_catalog_category_product_position`

DROP FOREIGN KEY `FK_9A80162E8ADF9FB814AC79D709D977F3`;

ALTER TABLE `smile_elasticsuite_optimizer_limitation`

DROP FOREIGN KEY `FK_DECB3B36711079998CA4D3DB38F2E0EB`;

ALTER TABLE `catalog_product_frontend_action`

DROP FOREIGN KEY
`CAT_PRD_FRONTEND_ACTION_PRD_ID_CAT_PRD_ENTT_ENTT_ID`;

ALTER TABLE `smile_virtualcategory_catalog_category_product_position`

DROP FOREIGN KEY `FK_D8ED66CF4B5DA2EE349B79458FFC6587`;

ALTER TABLE `smile_elasticsuitecatalog_search_query_product_position`

DROP FOREIGN KEY `FK_E51230BD209344C6172518E1E4908CDA`;

SET FOREIGN_KEY_CHECKS=1;

Update database to match Open Source structure

mysql> SET FOREIGN_KEY_CHECKS=0;

ALTER TABLE `adminnotification_inbox`

DROP COLUMN `is_amasty`,

DROP COLUMN `expiration_date`,

DROP COLUMN `image_url`;

ALTER TABLE `authorization_role`

DROP COLUMN `gws_is_all`,

DROP COLUMN `gws_websites`,

DROP COLUMN `gws_store_groups`;

ALTER TABLE `catalog_category_entity`

DROP COLUMN `entity_id`,

DROP COLUMN `created_in`,

DROP COLUMN `updated_in`,

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',

DROP PRIMARY KEY,

ADD PRIMARY KEY (`entity_id`),

DROP KEY `CATALOG_CATEGORY_ENTITY_CREATED_IN`,

DROP KEY `CATALOG_CATEGORY_ENTITY_UPDATED_IN`,

```
        DROP KEY
`CAT_CTGR_ENTT_ENTT_ID_SEQUENCE_CAT_CTGR_SEQUENCE_VAL`,

        DROP KEY `CATALOG_CATEGORY_ENTITY_ENTITY_ID`;

    ALTER TABLE `catalog_category_entity_datetime`

        CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT
'Entity ID',

        DROP INDEX
`CATALOG_CATEGORY_ENTITY_DATETIME_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

        ADD UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_DATETIME_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`),

        DROP KEY `CATALOG_CATEGORY_ENTITY_DATETIME_ROW_ID`,

        ADD KEY `CATALOG_CATEGORY_ENTITY_DATETIME_ENTITY_ID`
(`entity_id`);

    ALTER TABLE `catalog_category_entity_decimal`

        CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT
'Entity ID',

        DROP INDEX
`CATALOG_CATEGORY_ENTITY_DECIMAL_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

        ADD UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_DECIMAL_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`),

        DROP KEY `CATALOG_CATEGORY_ENTITY_DECIMAL_ROW_ID`,

        ADD KEY `CATALOG_CATEGORY_ENTITY_DECIMAL_ENTITY_ID` (`entity_id`);

    ALTER TABLE `catalog_category_entity_int`

        CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT
'Entity ID',

        DROP INDEX
`CATALOG_CATEGORY_ENTITY_INT_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

        ADD UNIQUE KEY
`CATALOG_CATEGORY_ENTITY_INT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`),

        DROP KEY `CATALOG_CATEGORY_ENTITY_INT_ROW_ID`,

        ADD KEY `CATALOG_CATEGORY_ENTITY_INT_ENTITY_ID` (`entity_id`);

    ALTER TABLE `catalog_category_entity_text`
```

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_CATEGORY_ENTITY_TEXT_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

ADD UNIQUE KEY `CATALOG_CATEGORY_ENTITY_TEXT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`),

DROP KEY `CATALOG_CATEGORY_ENTITY_TEXT_ROW_ID`,

ADD KEY `CATALOG_CATEGORY_ENTITY_TEXT_ENTITY_ID` (`entity_id`);

ALTER TABLE `catalog_category_entity_varchar`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_CATEGORY_ENTITY_VARCHAR_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

ADD UNIQUE KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`),

DROP KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ROW_ID`,

ADD KEY `CATALOG_CATEGORY_ENTITY_VARCHAR_ENTITY_ID` (`entity_id`);

ALTER TABLE `catalog_eav_attribute`

DROP COLUMN `is_pagebuilder_enabled`,

DROP COLUMN `is_displayed_in_autocomplete`,

DROP COLUMN `is_used_in_spellcheck`,

DROP COLUMN `facet_min_coverage_rate`,

DROP COLUMN `facet_max_size`,

DROP COLUMN `facet_sort_order`,

DROP COLUMN `display_pattern`,

DROP COLUMN `display_precision`,

DROP COLUMN `sort_order_asc_missing`,

DROP COLUMN `sort_order_desc_missing`;

ALTER TABLE `catalog_product_bundle_option`

CHANGE `option_id` `option_id` int(10) unsigned NOT NULL AUTO_INCREMENT COMMENT 'Option ID',

DROP PRIMARY KEY,

ADD PRIMARY KEY (`option_id`,`parent_id`);

```sql
ALTER TABLE `catalog_product_bundle_option_value`
    DROP KEY
`CAT_PRD_BNDL_OPT_VAL_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`;
    ALTER TABLE `catalog_product_bundle_selection`
    CHANGE `selection_id` `selection_id` int(10) unsigned NOT NULL
AUTO_INCREMENT COMMENT 'Selection ID',
    CHANGE `parent_product_id` `parent_product_id` int(10) unsigned NOT NULL
COMMENT 'Parent Product ID',
    DROP PRIMARY KEY,
    ADD PRIMARY KEY (`selection_id`),
    DROP KEY
`CAT_PRD_BNDL_SELECTION_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`;
    ALTER TABLE `catalog_product_bundle_selection_price`
    DROP KEY
`CAT_PRD_BNDL_SELECTION_PRICE_PARENT_PRD_ID_CAT_PRD_ENTT_ROW_ID`
;
    ALTER TABLE `catalog_product_entity`
    DROP COLUMN `entity_id`,
    CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',
    DROP COLUMN `created_in`,
    DROP COLUMN `updated_in`,
    DROP PRIMARY KEY,
    ADD PRIMARY KEY (`entity_id`),
    DROP KEY `CATALOG_PRODUCT_ENTITY_CREATED_IN`,
    DROP KEY `CATALOG_PRODUCT_ENTITY_UPDATED_IN`,
    DROP KEY
`CATALOG_PRODUCT_ENTITY_ENTITY_ID_CREATED_IN_UPDATED_IN`;
    ALTER TABLE `catalog_product_entity_datetime`
    CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT
'Entity ID',
    DROP INDEX
`CATALOG_PRODUCT_ENTITY_DATETIME_ROW_ID_ATTRIBUTE_ID_STORE_ID`,
```

ADD UNIQUE KEY `CATALOG_PRODUCT_ENTITY_DATETIME_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`);

ALTER TABLE `catalog_product_entity_decimal`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_PRODUCT_ENTITY_DECIMAL_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

ADD UNIQUE KEY `CATALOG_PRODUCT_ENTITY_DECIMAL_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`);

ALTER TABLE `catalog_product_entity_gallery`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_PRODUCT_ENTITY_GALLERY_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

ADD UNIQUE KEY `CATALOG_PRODUCT_ENTITY_GALLERY_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`),

DROP KEY `CATALOG_PRODUCT_ENTITY_GALLERY_ROW_ID`,

ADD KEY `CATALOG_PRODUCT_ENTITY_GALLERY_ENTITY_ID` (`entity_id`);

ALTER TABLE `catalog_product_entity_int`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_PRODUCT_ENTITY_INT_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

ADD UNIQUE KEY `CATALOG_PRODUCT_ENTITY_INT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`);

ALTER TABLE `catalog_product_entity_media_gallery`

DROP KEY `CATALOG_PRODUCT_ENTITY_MEDIA_GALLERY_VALUE`;

ALTER TABLE `catalog_product_entity_media_gallery_value`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP KEY `CATALOG_PRODUCT_ENTITY_MEDIA_GALLERY_VALUE_ROW_ID`,

ADD KEY `CATALOG_PRODUCT_ENTITY_MEDIA_GALLERY_VALUE_ENTITY_ID` (`entity_id`),

DROP KEY `CAT_PRD_ENTT_MDA_GLR_VAL_ROW_ID_VAL_ID_STORE_ID`,

ADD KEY `CAT_PRD_ENTT_MDA_GLR_VAL_ENTT_ID_VAL_ID_STORE_ID` (`entity_id`,`value_id`,`store_id`);

ALTER TABLE `catalog_product_entity_media_gallery_value_to_entity`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL COMMENT 'Product Entity ID',

DROP INDEX `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_VAL_ID_ROW_ID`,

ADD UNIQUE KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_VAL_ID_ENTT_ID` (`value_id`,`entity_id`),

DROP KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ROW_ID_CAT_PRD_ENTT_ROW_ID`,

ADD KEY `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` (`entity_id`);

ALTER TABLE `catalog_product_entity_text`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_PRODUCT_ENTITY_TEXT_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

ADD UNIQUE KEY `CATALOG_PRODUCT_ENTITY_TEXT_ENTITY_ID_ATTRIBUTE_ID_STORE_ID` (`entity_id`,`attribute_id`,`store_id`);

ALTER TABLE `catalog_product_entity_tier_price`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `UNQ_EBC6A54F44DFA66FA9024CAD97FED6C7`,

ADD UNIQUE KEY `UNQ_E8AB433B9ACB00343ABB312AD2FAB087` (`entity_id`,`all_groups`,`customer_group_id`,`qty`,`website_id`);

ALTER TABLE `catalog_product_entity_varchar`

CHANGE `row_id` `entity_id` int(10) unsigned NOT NULL DEFAULT '0' COMMENT 'Entity ID',

DROP INDEX `CATALOG_PRODUCT_ENTITY_VARCHAR_ROW_ID_ATTRIBUTE_ID_STORE_ID`,

```
    ADD UNIQUE KEY
`CATALOG_PRODUCT_ENTITY_VARCHAR_ENTITY_ID_ATTRIBUTE_ID_STORE_ID`
(`entity_id`,`attribute_id`,`store_id`);
    ALTER TABLE `cataloginventory_stock_item`
    DROP COLUMN `deferred_stock_update`,
    DROP COLUMN `use_config_deferred_stock_update`;
    ALTER TABLE `catalogrule`
    DROP COLUMN `rule_id`,
    CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',
    DROP COLUMN `created_in`,
    DROP COLUMN `updated_in`,
    DROP PRIMARY KEY,
    ADD PRIMARY KEY (`rule_id`),
    DROP KEY `CATALOGRULE_CREATED_IN`,
    DROP KEY `CATALOGRULE_UPDATED_IN`,
    DROP KEY
`CATALOGRULE_RULE_ID_SEQUENCE_CATALOGRULE_SEQUENCE_VALUE`,
    DROP KEY `CATALOGRULE_RULE_ID`;
    ALTER TABLE `catalogrule_customer_group`
    CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',
    DROP PRIMARY KEY,
    ADD PRIMARY KEY (`rule_id`,`customer_group_id`);
    ALTER TABLE `catalogrule_website`
    CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL COMMENT 'Rule ID',
    DROP PRIMARY KEY,
    ADD PRIMARY KEY (`rule_id`,`website_id`);
    ALTER TABLE `cms_block`
    DROP COLUMN `block_id`,
    CHANGE `row_id` `block_id` smallint(6) NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',
    DROP COLUMN `created_in`,
    DROP COLUMN `updated_in`,
```

DROP PRIMARY KEY,

ADD PRIMARY KEY (`block_id`),

DROP KEY `CMS_BLOCK_CREATED_IN`,

DROP KEY `CMS_BLOCK_UPDATED_IN`,

DROP KEY
`CMS_BLOCK_BLOCK_ID_SEQUENCE_CMS_BLOCK_SEQUENCE_VALUE`;

ALTER TABLE `cms_block_store`

CHANGE `row_id` `block_id` smallint(6) NOT NULL,

DROP PRIMARY KEY,

ADD PRIMARY KEY (`block_id`,`store_id`);

ALTER TABLE `cms_page`

DROP COLUMN `page_id`,

CHANGE `row_id` `page_id` smallint(6) NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',

DROP COLUMN `created_in`,

DROP COLUMN `updated_in`,

DROP COLUMN `website_root`,

DROP PRIMARY KEY,

ADD PRIMARY KEY (`page_id`),

DROP KEY `CMS_PAGE_CREATED_IN`,

DROP KEY `CMS_PAGE_UPDATED_IN`,

DROP KEY
`CMS_PAGE_PAGE_ID_SEQUENCE_CMS_PAGE_SEQUENCE_VALUE`,

DROP KEY `CMS_PAGE_PAGE_ID`;

ALTER TABLE `cms_page_store`

CHANGE `row_id` `page_id` smallint(6) NOT NULL COMMENT 'Entity ID',

DROP PRIMARY KEY,

ADD PRIMARY KEY (`page_id`,`store_id`);

ALTER TABLE `customer_eav_attribute`

DROP COLUMN `is_used_for_customer_segment`;

ALTER TABLE `customer_entity`

DROP KEY `CUSTOMER_ENTITY_CREATED_AT`,

DROP KEY `CUSTOMER_ENTITY_DOB`,

```
        DROP KEY `CUSTOMER_ENTITY_DEFAULT_BILLING`,

        DROP KEY `CUSTOMER_ENTITY_DEFAULT_SHIPPING`,

        DROP KEY `CUSTOMER_ENTITY_GENDER`,

        DROP KEY `CUSTOMER_ENTITY_GROUP_ID`;

    ALTER TABLE `email_contact`

        CHANGE `last_subscribed_at` `last_subscribed_at` timestamp NULL DEFAULT
NULL COMMENT 'Last subscribed date';

    ALTER TABLE `klarna_core_order`

        DROP KEY `KLARNA_KCO_ORDER_ORDER_ID_SALES_ORDER_ENTITY_ID`;

    ALTER TABLE `klarna_payments_quote`

        DROP KEY `KLARNA_PAYMENTS_QUOTE_QUOTE_ID_QUOTE_ENTITY_ID`;

    ALTER TABLE `queue_message_status`

        DROP KEY
`QUEUE_MESSAGE_ID_QUEUE_MESSAGE_STATUS_MESSAGE_ID`,

        ADD KEY
`QUEUE_MESSAGE_STATUS_MESSAGE_ID_QUEUE_MESSAGE_ID` (`message_id`);

    ALTER TABLE `quote`

        DROP COLUMN `customer_balance_amount_used`,

        DROP COLUMN `base_customer_bal_amount_used`,

        DROP COLUMN `use_customer_balance`,

        DROP COLUMN `gift_cards`,

        DROP COLUMN `gift_cards_amount`,

        DROP COLUMN `base_gift_cards_amount`,

        DROP COLUMN `gift_cards_amount_used`,

        DROP COLUMN `base_gift_cards_amount_used`,

        DROP COLUMN `gift_message_id`,

        DROP COLUMN `gw_id`,

        DROP COLUMN `gw_allow_gift_receipt`,

        DROP COLUMN `gw_add_card`,

        DROP COLUMN `gw_base_price`,

        DROP COLUMN `gw_price`,

        DROP COLUMN `gw_items_base_price`,

        DROP COLUMN `gw_items_price`,
```

```sql
    DROP COLUMN `gw_card_base_price`,
    DROP COLUMN `gw_card_price`,
    DROP COLUMN `gw_base_tax_amount`,
    DROP COLUMN `gw_tax_amount`,
    DROP COLUMN `gw_items_base_tax_amount`,
    DROP COLUMN `gw_items_tax_amount`,
    DROP COLUMN `gw_card_base_tax_amount`,
    DROP COLUMN `gw_card_tax_amount`,
    DROP COLUMN `gw_base_price_incl_tax`,
    DROP COLUMN `gw_price_incl_tax`,
    DROP COLUMN `gw_items_base_price_incl_tax`,
    DROP COLUMN `gw_items_price_incl_tax`,
    DROP COLUMN `gw_card_base_price_incl_tax`,
    DROP COLUMN `gw_card_price_incl_tax`,
    DROP COLUMN `use_reward_points`,
    DROP COLUMN `reward_points_balance`,
    DROP COLUMN `base_reward_currency_amount`,
    DROP COLUMN `reward_currency_amount`;
ALTER TABLE `quote_address`
    DROP COLUMN `base_customer_balance_amount`,
    DROP COLUMN `customer_balance_amount`,
    DROP COLUMN `gift_cards_amount`,
    DROP COLUMN `base_gift_cards_amount`,
    DROP COLUMN `gift_cards`,
    DROP COLUMN `used_gift_cards`,
    DROP COLUMN `gw_id`,
    DROP COLUMN `gw_allow_gift_receipt`,
    DROP COLUMN `gw_add_card`,
    DROP COLUMN `gw_base_price`,
    DROP COLUMN `gw_price`,
    DROP COLUMN `gw_items_base_price`,
    DROP COLUMN `gw_items_price`,
```

```sql
    DROP COLUMN `gw_card_base_price`,
    DROP COLUMN `gw_card_price`,
    DROP COLUMN `gw_base_tax_amount`,
    DROP COLUMN `gw_tax_amount`,
    DROP COLUMN `gw_items_base_tax_amount`,
    DROP COLUMN `gw_items_tax_amount`,
    DROP COLUMN `gw_card_base_tax_amount`,
    DROP COLUMN `gw_card_tax_amount`,
    DROP COLUMN `gw_base_price_incl_tax`,
    DROP COLUMN `gw_price_incl_tax`,
    DROP COLUMN `gw_items_base_price_incl_tax`,
    DROP COLUMN `gw_items_price_incl_tax`,
    DROP COLUMN `gw_card_base_price_incl_tax`,
    DROP COLUMN `gw_card_price_incl_tax`,
    DROP COLUMN `giftregistry_item_id`,
    DROP COLUMN `reward_points_balance`,
    DROP COLUMN `base_reward_currency_amount`,
    DROP COLUMN `reward_currency_amount`,
    DROP COLUMN `region_select`,
    DROP COLUMN `recipient_email`;
ALTER TABLE `quote_address_item`
    DROP COLUMN `gw_id`,
    DROP COLUMN `gw_base_price`,
    DROP COLUMN `gw_price`,
    DROP COLUMN `gw_base_tax_amount`,
    DROP COLUMN `gw_tax_amount`;
ALTER TABLE `quote_item`
    DROP COLUMN `is_excluded_product`,
    DROP COLUMN `gw_id`,
    DROP COLUMN `gw_base_price`,
    DROP COLUMN `gw_price`,
    DROP COLUMN `gw_base_tax_amount`,
```

```
        DROP COLUMN `gw_tax_amount`,

        DROP COLUMN `event_id`,

        DROP COLUMN `giftregistry_item_id`;

    ALTER TABLE `sales_creditmemo`

        DROP COLUMN `base_customer_balance_amount`,

        DROP COLUMN `customer_balance_amount`,

        DROP COLUMN `bs_customer_bal_total_refunded`,

        DROP COLUMN `customer_bal_total_refunded`,

        DROP COLUMN `base_gift_cards_amount`,

        DROP COLUMN `gift_cards_amount`,

        DROP COLUMN `gw_base_price`,

        DROP COLUMN `gw_price`,

        DROP COLUMN `gw_items_base_price`,

        DROP COLUMN `gw_items_price`,

        DROP COLUMN `gw_card_base_price`,

        DROP COLUMN `gw_card_price`,

        DROP COLUMN `gw_base_tax_amount`,

        DROP COLUMN `gw_tax_amount`,

        DROP COLUMN `gw_items_base_tax_amount`,

        DROP COLUMN `gw_items_tax_amount`,

        DROP COLUMN `gw_card_base_tax_amount`,

        DROP COLUMN `gw_card_tax_amount`,

        DROP COLUMN `base_reward_currency_amount`,

        DROP COLUMN `reward_currency_amount`,

        DROP COLUMN `reward_points_balance`,

        DROP COLUMN `reward_points_balance_refund`;

    ALTER TABLE `sales_invoice`

        DROP COLUMN `base_customer_balance_amount`,

        DROP COLUMN `customer_balance_amount`,

        DROP COLUMN `base_gift_cards_amount`,

        DROP COLUMN `gift_cards_amount`,

        DROP COLUMN `gw_base_price`,
```

```
    DROP COLUMN `gw_price`,
    DROP COLUMN `gw_items_base_price`,
    DROP COLUMN `gw_items_price`,
    DROP COLUMN `gw_card_base_price`,
    DROP COLUMN `gw_card_price`,
    DROP COLUMN `gw_base_tax_amount`,
    DROP COLUMN `gw_tax_amount`,
    DROP COLUMN `gw_items_base_tax_amount`,
    DROP COLUMN `gw_items_tax_amount`,
    DROP COLUMN `gw_card_base_tax_amount`,
    DROP COLUMN `gw_card_tax_amount`,
    DROP COLUMN `base_reward_currency_amount`,
    DROP COLUMN `reward_currency_amount`,
    DROP COLUMN `reward_points_balance`;
ALTER TABLE `sales_order`
    DROP COLUMN `base_customer_balance_amount`,
    DROP COLUMN `customer_balance_amount`,
    DROP COLUMN `base_customer_balance_invoiced`,
    DROP COLUMN `customer_balance_invoiced`,
    DROP COLUMN `base_customer_balance_refunded`,
    DROP COLUMN `customer_balance_refunded`,
    DROP COLUMN `bs_customer_bal_total_refunded`,
    DROP COLUMN `customer_bal_total_refunded`,
    DROP COLUMN `gift_cards`,
    DROP COLUMN `base_gift_cards_amount`,
    DROP COLUMN `gift_cards_amount`,
    DROP COLUMN `base_gift_cards_invoiced`,
    DROP COLUMN `gift_cards_invoiced`,
    DROP COLUMN `base_gift_cards_refunded`,
    DROP COLUMN `gift_cards_refunded`,
    DROP COLUMN `gw_id`,
    DROP COLUMN `gw_allow_gift_receipt`,
```

```sql
DROP COLUMN `gw_add_card`,
DROP COLUMN `gw_base_price`,
DROP COLUMN `gw_price`,
DROP COLUMN `gw_items_base_price`,
DROP COLUMN `gw_items_price`,
DROP COLUMN `gw_card_base_price`,
DROP COLUMN `gw_card_price`,
DROP COLUMN `gw_base_tax_amount`,
DROP COLUMN `gw_tax_amount`,
DROP COLUMN `gw_items_base_tax_amount`,
DROP COLUMN `gw_items_tax_amount`,
DROP COLUMN `gw_card_base_tax_amount`,
DROP COLUMN `gw_card_tax_amount`,
DROP COLUMN `gw_base_price_incl_tax`,
DROP COLUMN `gw_price_incl_tax`,
DROP COLUMN `gw_items_base_price_incl_tax`,
DROP COLUMN `gw_items_price_incl_tax`,
DROP COLUMN `gw_card_base_price_incl_tax`,
DROP COLUMN `gw_card_price_incl_tax`,
DROP COLUMN `gw_base_price_invoiced`,
DROP COLUMN `gw_price_invoiced`,
DROP COLUMN `gw_items_base_price_invoiced`,
DROP COLUMN `gw_items_price_invoiced`,
DROP COLUMN `gw_card_base_price_invoiced`,
DROP COLUMN `gw_card_price_invoiced`,
DROP COLUMN `gw_base_tax_amount_invoiced`,
DROP COLUMN `gw_tax_amount_invoiced`,
DROP COLUMN `gw_items_base_tax_invoiced`,
DROP COLUMN `gw_items_tax_invoiced`,
DROP COLUMN `gw_card_base_tax_invoiced`,
DROP COLUMN `gw_card_tax_invoiced`,
DROP COLUMN `gw_base_price_refunded`,
```

```sql
    DROP COLUMN `gw_price_refunded`,
    DROP COLUMN `gw_items_base_price_refunded`,
    DROP COLUMN `gw_items_price_refunded`,
    DROP COLUMN `gw_card_base_price_refunded`,
    DROP COLUMN `gw_card_price_refunded`,
    DROP COLUMN `gw_base_tax_amount_refunded`,
    DROP COLUMN `gw_tax_amount_refunded`,
    DROP COLUMN `gw_items_base_tax_refunded`,
    DROP COLUMN `gw_items_tax_refunded`,
    DROP COLUMN `gw_card_base_tax_refunded`,
    DROP COLUMN `gw_card_tax_refunded`,
    DROP COLUMN `reward_points_balance`,
    DROP COLUMN `base_reward_currency_amount`,
    DROP COLUMN `reward_currency_amount`,
    DROP COLUMN `base_rwrd_crrncy_amt_invoiced`,
    DROP COLUMN `rwrd_currency_amount_invoiced`,
    DROP COLUMN `base_rwrd_crrncy_amnt_refnded`,
    DROP COLUMN `rwrd_crrncy_amnt_refunded`,
    DROP COLUMN `reward_points_balance_refund`;
ALTER TABLE `sales_order_address`
    DROP COLUMN `giftregistry_item_id`;
ALTER TABLE `sales_order_grid`
    DROP COLUMN `refunded_to_store_credit`;
ALTER TABLE `sales_order_item`
    DROP COLUMN `qty_returned`,
    DROP COLUMN `gw_id`,
    DROP COLUMN `gw_base_price`,
    DROP COLUMN `gw_price`,
    DROP COLUMN `gw_base_tax_amount`,
    DROP COLUMN `gw_tax_amount`,
    DROP COLUMN `gw_base_price_invoiced`,
    DROP COLUMN `gw_price_invoiced`,
```

```sql
        DROP COLUMN `gw_base_tax_amount_invoiced`,

        DROP COLUMN `gw_tax_amount_invoiced`,

        DROP COLUMN `gw_base_price_refunded`,

        DROP COLUMN `gw_price_refunded`,

        DROP COLUMN `gw_base_tax_amount_refunded`,

        DROP COLUMN `gw_tax_amount_refunded`,

        DROP COLUMN `event_id`,

        DROP COLUMN `giftregistry_item_id`;
    ALTER TABLE `salesrule`

        DROP COLUMN `rule_id`,

        CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL AUTO_INCREMENT
COMMENT 'Entity ID',

        DROP COLUMN `created_in`,

        DROP COLUMN `updated_in`,

        DROP PRIMARY KEY,

        ADD PRIMARY KEY (`rule_id`),

        DROP KEY `SALESRULE_CREATED_IN`,

        DROP KEY `SALESRULE_UPDATED_IN`,

        DROP KEY
`SALESRULE_RULE_ID_SEQUENCE_SALESRULE_SEQUENCE_VALUE`,

        DROP KEY `SALESRULE_RULE_ID`;
    ALTER TABLE `salesrule_customer_group`

        CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL COMMENT 'Rule ID',

        DROP PRIMARY KEY,

        ADD PRIMARY KEY (`rule_id`,`customer_group_id`);
    ALTER TABLE `salesrule_product_attribute`

        CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL COMMENT 'Rule ID',

        DROP PRIMARY KEY,

        ADD PRIMARY KEY (`rule_id`,`website_id`,`customer_group_id`,`attribute_id`);
    ALTER TABLE `salesrule_website`

        CHANGE `row_id` `rule_id` int(10) unsigned NOT NULL COMMENT 'Rule ID',

        DROP PRIMARY KEY,
```

```
    ADD PRIMARY KEY (`rule_id`,`website_id`);

ALTER TABLE `search_query`

    DROP COLUMN `is_spellchecked`;

TRUNCATE wishlist;

TRUNCATE email_wishlist;

ALTER TABLE `wishlist`

    DROP COLUMN `name`,

    DROP COLUMN `visibility`,

    DROP KEY `WISHLIST_CUSTOMER_ID`,

    ADD UNIQUE KEY `WISHLIST_CUSTOMER_ID` (`customer_id`);

ALTER TABLE `wishlist_item_option`

    DROP KEY
`WISHLIST_ITEM_OPTION_PRODUCT_ID_SEQUENCE_PRODUCT_SEQUENCE_VAL
UE`,

    ADD KEY
`WISHLIST_ITEM_OPTION_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID
` (`product_id`);

ALTER TABLE `yotpo_rich_snippets`

    CHANGE `average_score` `average_score` float(10,0) NOT NULL COMMENT
'Average Score';

SET FOREIGN_KEY_CHECKS=1;
```

Create open source constraints

```
mysql> SET FOREIGN_KEY_CHECKS=0;

ALTER TABLE `catalog_category_entity_datetime`

    ADD CONSTRAINT
`CAT_CTGR_ENTT_DTIME_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE
CASCADE;

ALTER TABLE `catalog_category_entity_decimal`

    ADD CONSTRAINT
`CAT_CTGR_ENTT_DEC_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY
(`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE
CASCADE;

ALTER TABLE `catalog_category_entity_int`
```

ADD CONSTRAINT `CAT_CTGR_ENTT_INT_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_category_entity_text`

ADD CONSTRAINT `CAT_CTGR_ENTT_TEXT_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_category_entity_varchar`

ADD CONSTRAINT `CAT_CTGR_ENTT_VCHR_ENTT_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_category_product`

ADD CONSTRAINT `CAT_CTGR_PRD_CTGR_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`category_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE,

ADD CONSTRAINT `CAT_CTGR_PRD_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_compare_item`

ADD CONSTRAINT `CATALOG_COMPARE_ITEM_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_bundle_option`

ADD CONSTRAINT `CAT_PRD_BNDL_OPT_PARENT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_bundle_option_value`

ADD CONSTRAINT `CAT_PRD_BNDL_OPT_VAL_OPT_ID_CAT_PRD_BNDL_OPT_OPT_ID` FOREIGN KEY (`option_id`) REFERENCES `catalog_product_bundle_option` (`option_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_bundle_price_index`

ADD CONSTRAINT `CAT_PRD_BNDL_PRICE_IDX_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_bundle_selection`

ADD CONSTRAINT `CAT_PRD_BNDL_SELECTION_OPT_ID_CAT_PRD_BNDL_OPT_OPT_ID` FOREIGN KEY (`option_id`) REFERENCES `catalog_product_bundle_option` (`option_id`) ON DELETE CASCADE,

ADD CONSTRAINT `CAT_PRD_BNDL_SELECTION_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_bundle_selection_price`

ADD CONSTRAINT `FK_DCF37523AA05D770A70AA4ED7C2616E4` FOREIGN KEY (`selection_id`) REFERENCES `catalog_product_bundle_selection` (`selection_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_datetime`

ADD CONSTRAINT `CAT_PRD_ENTT_DTIME_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_decimal`

ADD CONSTRAINT `CAT_PRD_ENTT_DEC_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_gallery`

ADD CONSTRAINT `CAT_PRD_ENTT_GLR_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_int`

ADD CONSTRAINT `CAT_PRD_ENTT_INT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_media_gallery_value`

ADD CONSTRAINT `CAT_PRD_ENTT_MDA_GLR_VAL_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_media_gallery_value_to_entity`

ADD CONSTRAINT `CAT_PRD_ENTT_MDA_GLR_VAL_TO_ENTT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_text`

ADD CONSTRAINT `CAT_PRD_ENTT_TEXT_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_tier_price`

ADD CONSTRAINT `CAT_PRD_ENTT_TIER_PRICE_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_entity_varchar`

ADD CONSTRAINT `CAT_PRD_ENTT_VCHR_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_index_tier_price`

ADD CONSTRAINT `CAT_PRD_IDX_TIER_PRICE_ENTT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_link`

ADD CONSTRAINT `CATALOG_PRODUCT_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE,

ADD CONSTRAINT `CAT_PRD_LNK_LNKED_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`linked_product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_option`

ADD CONSTRAINT `CAT_PRD_OPT_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_relation`

ADD CONSTRAINT `CAT_PRD_RELATION_PARENT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE,

ADD CONSTRAINT `CAT_PRD_RELATION_CHILD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`child_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

    ALTER TABLE `catalog_product_super_attribute`

    ADD CONSTRAINT `CAT_PRD_SPR_ATTR_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

    ALTER TABLE `catalog_product_super_link`

    ADD CONSTRAINT `CAT_PRD_SPR_LNK_PARENT_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`parent_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE,

    ADD CONSTRAINT `CAT_PRD_SPR_LNK_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `sequence_product` (`sequence_value`) ON DELETE CASCADE;

    ALTER TABLE `catalog_product_website`

    ADD CONSTRAINT `CAT_PRD_WS_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

    ALTER TABLE `catalog_url_rewrite_product_category`

    ADD CONSTRAINT `CAT_URL_REWRITE_PRD_CTGR_CTGR_ID_CAT_CTGR_ENTT_ENTT_ID` FOREIGN KEY (`category_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE,

    ADD CONSTRAINT `CAT_URL_REWRITE_PRD_CTGR_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

    ALTER TABLE `cataloginventory_stock_item`

    ADD CONSTRAINT `CATINV_STOCK_ITEM_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

    ALTER TABLE `catalogrule_customer_group`

    ADD CONSTRAINT `CATALOGRULE_CUSTOMER_GROUP_RULE_ID_CATALOGRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `catalogrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `catalogrule_website`

ADD CONSTRAINT `CATALOGRULE_WEBSITE_RULE_ID_CATALOGRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `catalogrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `cms_block_store`

ADD CONSTRAINT `CMS_BLOCK_STORE_BLOCK_ID_CMS_BLOCK_BLOCK_ID` FOREIGN KEY (`block_id`) REFERENCES `cms_block` (`block_id`) ON DELETE CASCADE;

ALTER TABLE `cms_page_store`

ADD CONSTRAINT `CMS_PAGE_STORE_PAGE_ID_CMS_PAGE_PAGE_ID` FOREIGN KEY (`page_id`) REFERENCES `cms_page` (`page_id`) ON DELETE CASCADE;

ALTER TABLE `downloadable_link`

ADD CONSTRAINT `DOWNLOADABLE_LINK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `downloadable_sample`

ADD CONSTRAINT `DOWNLOADABLE_SAMPLE_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `email_catalog`

ADD CONSTRAINT `EMAIL_CATALOG_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `product_alert_price`

ADD CONSTRAINT `PRODUCT_ALERT_PRICE_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `product_alert_stock`

ADD CONSTRAINT `PRODUCT_ALERT_STOCK_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `report_compared_product_index`

ADD CONSTRAINT `REPORT_CMPD_PRD_IDX_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `report_viewed_product_aggregated_daily`

ADD CONSTRAINT `REPORT_VIEWED_PRD_AGGRED_DAILY_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `report_viewed_product_aggregated_monthly`

ADD CONSTRAINT `REPORT_VIEWED_PRD_AGGRED_MONTHLY_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `report_viewed_product_aggregated_yearly`

ADD CONSTRAINT `REPORT_VIEWED_PRD_AGGRED_YEARLY_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `report_viewed_product_index`

ADD CONSTRAINT `REPORT_VIEWED_PRD_IDX_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `salesrule_coupon`

ADD CONSTRAINT `SALESRULE_COUPON_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `salesrule_customer`

ADD CONSTRAINT `SALESRULE_CUSTOMER_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `salesrule_customer_group`

ADD CONSTRAINT `SALESRULE_CUSTOMER_GROUP_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `salesrule_label`

ADD CONSTRAINT `SALESRULE_LABEL_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `salesrule_product_attribute`

ADD CONSTRAINT `SALESRULE_PRODUCT_ATTRIBUTE_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `salesrule_website`

ADD CONSTRAINT `SALESRULE_WEBSITE_RULE_ID_SALESRULE_RULE_ID` FOREIGN KEY (`rule_id`) REFERENCES `salesrule` (`rule_id`) ON DELETE CASCADE;

ALTER TABLE `weee_tax`

ADD CONSTRAINT `WEEE_TAX_ENTITY_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`entity_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `wishlist_item`

ADD CONSTRAINT `WISHLIST_ITEM_PRODUCT_ID_CATALOG_PRODUCT_ENTITY_ENTITY_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `smile_elasticsuitecatalog_category_filterable_attribute`

ADD CONSTRAINT `FK_8B0BDE1CA9474CFD234FCD0FEBDC0225` FOREIGN KEY (`entity_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `smile_virtualcategory_catalog_category_product_position`

ADD CONSTRAINT `FK_9A80162E8ADF9FB814AC79D709D977F3` FOREIGN KEY (`category_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `smile_elasticsuite_optimizer_limitation`

ADD CONSTRAINT `FK_DECB3B36711079998CA4D3DB38F2E0EB` FOREIGN KEY (`category_id`) REFERENCES `catalog_category_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `catalog_product_frontend_action`

ADD CONSTRAINT `CAT_PRD_FRONTEND_ACTION_PRD_ID_CAT_PRD_ENTT_ENTT_ID` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `smile_virtualcategory_catalog_category_product_position`

ADD CONSTRAINT `FK_D8ED66CF4B5DA2EE349B79458FFC6587` FOREIGN KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE CASCADE;

ALTER TABLE `smile_elasticsuitecatalog_search_query_product_position`

```
        ADD CONSTRAINT `FK_E51230BD209344C6172518E1E4908CDA` FOREIGN
KEY (`product_id`) REFERENCES `catalog_product_entity` (`entity_id`) ON DELETE
CASCADE;

        SET FOREIGN_KEY_CHECKS=1;
```

Migrate RMA data

```
mysql> SET foreign_key_checks = 0;
        INSERT INTO
            amasty_rma_request
        SELECT
            MAX(magento_rma.entity_id),
            magento_rma.order_id,
            IFNULL(magento_rma.store_id, 0),
            magento_rma.date_requested,
            magento_rma.date_requested,
            11,
            IFNULL(magento_rma.customer_id, 0),
            IFNULL(magento_rma_grid.customer_name, 0),
            0,
            0,
            0,
            0,
            NULL,
            IFNULL(magento_rma_item_entity_text.value, NULL),
            NULL
        FROM
            magento_rma
        LEFT JOIN
            magento_rma_grid
            ON
                magento_rma.entity_id = magento_rma_grid.entity_id
        LEFT JOIN
             magento_rma_item_entity
```

ON

magento_rma.entity_id = magento_rma_item_entity.rma_entity_id

LEFT JOIN

magento_rma_item_entity_text

ON

magento_rma_item_entity.entity_id = magento_rma_item_entity_text.entity_id

AND

magento_rma_item_entity_text.attribute_id = 1397

GROUP BY magento_rma_item_entity.rma_entity_id;

INSERT INTO

amasty_rma_request_item

SELECT

NULL,

magento_rma_item_entity.rma_entity_id,

magento_rma_item_entity.order_item_id,

magento_rma_item_entity.qty_authorized,

magento_rma_item_entity.qty_requested,

0,

0,

0,

0

FROM

magento_rma_item_entity;

SET foreign_key_checks = 1;

Drop RMA tables

mysql> SET foreign_key_checks = 0;

DROP TABLE IF EXISTS magento_rma, magento_rma_grid,
magento_rma_status_history, magento_rma_item_entity,
magento_rma_item_eav_attribute, magento_rma_item_entity_datetime,
magento_rma_item_entity_decimal, magento_rma_item_entity_int,
magento_rma_item_entity_text, magento_rma_item_entity_varchar,
magento_rma_item_form_attribute, magento_rma_item_eav_attribute_website,
magento_rma_shipping_label;

```
    SET foreign_key_checks = 1;
```

Migrate companies data

```
mysql> SET foreign_key_checks = 0;
    INSERT INTO
        amasty_company_account_permission
    SELECT
        NULL,
        company_permissions.role_id,
        "Amasty_CompanyAccount::index"
    FROM
        company_permissions
    WHERE
        resource_id = "Magento_Company::index";
    INSERT INTO
        amasty_company_account_permission
    SELECT
        NULL,
        company_permissions.role_id,
        "Amasty_CompanyAccount::company"
    FROM
        company_permissions
    WHERE
        resource_id = "Magento_Company::index";
    INSERT INTO
        amasty_company_account_permission
    SELECT
        NULL,
        company_permissions.role_id,
        "Amasty_CompanyAccount::index"
    FROM
        company_permissions
    WHERE
```

```sql
    resource_id = "Magento_Company::view_account";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::company"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::view_account";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::view_account"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::view_account";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::edit_account";
INSERT INTO
```

```sql
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::company"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::edit_account";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::view_account"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::edit_account";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::edit_account"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::edit_account";
INSERT INTO
    amasty_company_account_permission
SELECT
```

```sql
    NULL,

    company_permissions.role_id,

    "Amasty_CompanyAccount::index"

FROM

    company_permissions

WHERE

    resource_id = "Magento_Company::users";

INSERT INTO

    amasty_company_account_permission

SELECT

    NULL,

    company_permissions.role_id,

    "Amasty_CompanyAccount::users"

FROM

    company_permissions

WHERE

    resource_id = "Magento_Company::users";

INSERT INTO

    amasty_company_account_permission

SELECT

    NULL,

    company_permissions.role_id,

    "Amasty_CompanyAccount::index"

FROM

    company_permissions

WHERE

    resource_id = "Magento_Company::users_view";

INSERT INTO

    amasty_company_account_permission

SELECT

    NULL,

    company_permissions.role_id,
```

```sql
    "Amasty_CompanyAccount::users"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::users_view";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::users_view"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::users_view";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::users_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::users"
FROM
```

```sql
    company_permissions
WHERE
    resource_id = "Magento_Company::users_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::users_view"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::users_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::users_add"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::users_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::users_edit"
FROM
    company_permissions
WHERE
```

```sql
  resource_id = "Magento_Company::users_edit";
INSERT INTO
  amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::users_delete"
FROM
  company_permissions
WHERE
  resource_id = "Magento_Company::users_edit";
INSERT INTO
  amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
  company_permissions
WHERE
  resource_id = "Magento_Company::roles";
INSERT INTO
  amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::roles"
FROM
  company_permissions
WHERE
  resource_id = "Magento_Company::roles";
INSERT INTO
```

```sql
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::roles_view";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::roles"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::roles_view";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::roles_view"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::roles_view";
INSERT INTO
    amasty_company_account_permission
SELECT
```

```sql
    NULL,

    company_permissions.role_id,

    "Amasty_CompanyAccount::index"

FROM

    company_permissions

WHERE

    resource_id = "Magento_Company::roles_edit";

INSERT INTO

    amasty_company_account_permission

SELECT

    NULL,

    company_permissions.role_id,

    "Amasty_CompanyAccount::roles"

FROM

    company_permissions

WHERE

    resource_id = "Magento_Company::roles_edit";

INSERT INTO

    amasty_company_account_permission

SELECT

    NULL,

    company_permissions.role_id,

    "Amasty_CompanyAccount::roles_view"

FROM

    company_permissions

WHERE

    resource_id = "Magento_Company::roles_edit";

INSERT INTO

    amasty_company_account_permission

SELECT

    NULL,

    company_permissions.role_id,
```

```
    "Amasty_CompanyAccount::roles_add"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::roles_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::roles_edit"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::roles_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::roles_delete"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::roles_edit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
```

```sql
    company_permissions
WHERE
    resource_id = "Magento_Sales::view_orders";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::orders"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Sales::view_orders";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Sales::place_order";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::orders"
FROM
    company_permissions
WHERE
```

```sql
  resource_id = "Magento_Sales::place_order";
INSERT INTO
  amasty_company_account_permission
SELECT
  NULL,
  company_permissions.role_id,
  "Amasty_CompanyAccount::orders_add"
FROM
  company_permissions
WHERE
  resource_id = "Magento_Sales::place_order";
INSERT INTO
  amasty_company_account_permission
SELECT
  NULL,
  company_permissions.role_id,
  "Amasty_CompanyAccount::index"
FROM
  company_permissions
WHERE
  resource_id = "Magento_Company::credit";
INSERT INTO
  amasty_company_account_permission
SELECT
  NULL,
  company_permissions.role_id,
  "Amasty_CompanyAccount::orders"
FROM
  company_permissions
WHERE
  resource_id = "Magento_Company::credit";
INSERT INTO
```

```sql
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::orders_add"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::credit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::use_credit"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Company::credit";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::index"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Sales::view_orders";
INSERT INTO
    amasty_company_account_permission
SELECT
```

```sql
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::orders"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Sales::view_orders";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::orders_view"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Sales::view_orders";
INSERT INTO
    amasty_company_account_permission
SELECT
    NULL,
    company_permissions.role_id,
    "Amasty_CompanyAccount::orders_all_view"
FROM
    company_permissions
WHERE
    resource_id = "Magento_Sales::view_orders";
INSERT INTO
    amasty_company_account_company
SELECT
    company.entity_id,
    company.company_name,
```

```sql
        company.status,

        company.legal_name,

        company.company_email,

        company.vat_tax_id,

        company.reseller_id,

        company.comment,

        company.street,

        company.city,

        company.country_id,

        company.region,

        company.region_id,

        company.postcode,

        company.telephone,

        company.customer_group_id,

        company.sales_representative_id,

        company.super_user_id,

        company.reject_reason,

        company.rejected_at,

        1,

        1

FROM

        company;

TRUNCATE amasty_company_account_customer;

INSERT IGNORE INTO

        amasty_company_account_customer

SELECT

        company_advanced_customer_entity.customer_id,

        company_advanced_customer_entity.company_id,

        company_advanced_customer_entity.job_title,

        company_advanced_customer_entity.telephone,

        company_roles.role_id,

        company_advanced_customer_entity.status
```

```
FROM

    company_advanced_customer_entity

LEFT JOIN

    company_roles

    ON

        company_advanced_customer_entity.company_id =
company_roles.company_id;

INSERT INTO

    amasty_company_account_order

SELECT

    company_order_entity.order_id,

    company_order_entity.company_id,

    company_order_entity.company_name

FROM

    company_order_entity;

INSERT INTO

    amasty_company_account_role

SELECT

    company_roles.role_id,

    company_roles.role_name,

    company_roles.company_id,

    0

FROM

    company_roles;

INSERT INTO

    amasty_company_credit

SELECT

    company_credit.entity_id,

    company_credit.company_id,

    company_credit.balance,

    company_credit.credit_limit,

    0,
```

```
        company_credit.currency_code,

        0,

        0,

        1,

        1,

        0,

        0

    FROM

        company_credit;

    SET foreign_key_checks = 1;
```

Drop companies tables

```
mysql> SET foreign_key_checks = 0;

    DROP TABLE IF EXISTS company, company_team, company_structure,
company_advanced_customer_entity, company_roles, company_user_roles,
company_permissions, company_order_entity, company_credit, company_credit_history,
company_payment, company_shipping;

    SET foreign_key_checks = 1;
```