

## **nopCommerce 4.20 changelog**

### **Highlight features:**

- Re-designed admin area. A lot of UI/UX enhancements in admin area
- Significant performance enhancements
- nopCommerce can be run on Linux now
- Docker support

### **Improvements**

- Upgraded to ASP.NET Core 2.2 and EF Core 2.2
- Performance. HTML minification
- Performance. Significant performance improvement by upgrading to EF Core 2.2 because the previous version of EF had a critical performance issue
- Performance. Faster processing of large catalogs (do not load product attributes for products without attributes)
- Performance. Faster processing of pictures stored in Windows Azure
- Performance. Faster discount calculation
- Performance. Faster generation of bundled and minified JS and CSS files
- Performance. Redis works much faster now
- Performance. Moved jQuery library to the footer (actually all js libraries now)
- Performance. Improved performance of “IsCrawler” method used to detect search engines
- Performance. Cache is cleared much faster now
- New plugin architecture. Do not load uninstalled plugins in memory. Allow to uninstall/install multiple plugins at the same time
- Added Avalara tax plugin out of the box
- Security. Prevent a credit card bruteforce
- GDPR user change history
- We moved away from outdated KendoUI Grid to DataTables library
- Added localizations for relative dates (previously they were hard-coded)
- Added "Use response compression" setting to UI
- Notificate customers when discount coupon code is applied using URL
- Allow a store owner to configure password strength
- Added a setting indicating whether we should apply additional shipping charge for pickup in store
- Added backward compatibility routes for product tags
- Added alternate language pages to sitemap.xml
- Added favicon support for other devices (e.g. iOS Safari, Android Chrome, Windows 8 and 10, Mac OS X El Capitan Safari)
- Allow to upload favicon in admin area
- “Default value” of checkout and product attributes is localizable now
- “Custom text” of specification attributes is localizable now
- Added meta property "og:image:url" (file sharing in social networks)
- Updated breadcrumbs structure according to the latest schema changing
- Do not store "clean" passwords for external authentication systems
- Update PayPal Standard plugin config instruction
- Update Facebook plugin config instruction

- Allow filtering by warehouse for the order list report
- Added warning when trying to impersonate inactive customers
- Added QualPay and SendInBlue plugins
- Removed WorldPay plugin
- Updated Square plugin to use the new "renew token" API
- Admin area. Add a link to the warnings page from the dashboard
- Added reCAPTCHA to the "forgot password" page
- Support for multiple reCAPTCHAs on one page
- Return 404 page when a topic, blog post, news item cannot be loaded
- Increased max length of the settings
- Filtering support for the "shopping carts and wishlist" page (admin area)
- Remove Google+ page URL from social media (Google dropped its support)
- Added ada tags to assist screen readers
- Added possibility to use specific redis database
- Added additionally check ManageAcl permission when managing customer roles
- Performance. Allow to load top menu using AJAX (disabled by default)
- Developers. Added Redis and AzureBlobStorage Enabled settings to SystemInfo admin widget
- Developers. Continuous Integration. Added support of Travis CI (travis-ci.com)
- Developers. Support schema other than DBO (databases)
- Developers. Refactoring of admin mapping configuration
- Developers. Added application root path for use in JavaScript
- Developers. Added more widget zones
- Developers. Added event handler on document when pressing Enter
- Developers. Use IHttpConnectionFactory to create HttpClients (performance)
- Developers. Less source code duplication
- Developers. A lot of source code refactoring
- Developers. Updated third-party libraries to the latest version
- Developers. Added attribute "placeholder" in nop-editor tag helper
- Developers. Added instructions for changing type datetime to type datetime2 in the database
- Developers. Changed file extension from .txt to .csv when exporting
- Developers. Store source files uploaded using html editor filemanager in database if media setting is database

## Bugs

- Security. XSS security issue fixed
- Security. XEE security issue fixed
- Admin menu was broken on mobile devices
- Fixed rating stars display (product reviews)
- Profit on the order details page didn't consider "refunded amount"
- Images were not displayed after product name changes
- Return requests could not be edited
- UPS Plugin. Shipping rates were set to 0 for international shipments
- Page titles weren't set for all pages in admin area
- Browser language wasn't detected properly (used in multilingual websites)
- The plugin list page couldn't be open when www.nopcommerce.com website was not available
- Editing of attribute combinations didn't properly pre-set values
- Facebook authentication. Fixed redirection issue when authentication failed

- Fixed duplicated warnings on admin area pages with a multi-store configuration
- Fixed a “free shipping” label
- Product tags count ignored ACL
- Sitemaps loaded categories of all store (multi-store configuration issue)
- Pickup points. Added display of address input fields depending on the address settings
- Fixed problem with localization of non English chars in the “add reward points” form in admin area
- reCAPTCHA didn’t work behind proxy
- We had duplicates in UrlRecord after installation with sample data
- Fixed issue with custom address attributes and "Billing address in checkout is disabled" setting
- Fixed problem when allowed to save empty download object
- Fixed tax calculation if product cost was zero
- “Edit page” administration links didn’t work on the blog and news pages
- When the picture SEO filename was changed, images couldn’t be loaded (cache reset was required)
- When you limited a news item to a particular store you could still view it in other stores
- Fixed duplicated default select option under country drop-down on the shipment page
- Fixed issued in magnific popup gallery
- Fixed euro symbol display
- Fixed robots.txt for search page
- Fixed CSS issue with up/down buttons (IE Edge +Firefox)
- Fixed Redis clear cache error
- Fixed problem with synchronization of "CustomerCustomerRoleMappings" with "CustomerRoles" entities
- We should remove filename after clicking "Remove picture" button when uploading images
- Fixed generate configuration URL in virtual directories for discount requirement plugins
- Fixed bug with "SpecificationAttributes" caching
- Fixed error with incorrect background color of uploaded images
- Fixed redirection problem when PdtToken isn't set for PayPal standard options