The Intershop team is happy to announce the official release of **Intershop Commerce Management 7.9** and **Intershop Order Management 2.2**. Both versions are bursting with new functions and improvements for users and developers, ranging from new B2B features and new tools for developers to comprehensive performance improvements.

Before we go into the details of the new versions, we would like to sincerely thank all customers and partners for their invaluable feedback, which once more was implemented in both versions.

Intershop Commerce Management 7.9

Drag-and-Drop in the Design View

With the web content management system's new drag and drop feature, Intershop is setting a new standard for usability in enterprise e-commerce solutions.

The drag and drop feature in the design view allows shop managers to adjust the layout of their online shop to their individual needs much more easily. Components can be moved within a template and edited simply by dragging the icon and dropping it into a content slot.

The palette of available components has also been completely overhauled. Working with the component library has been vastly simplified thanks to clearly structured categorization and a component search feature.

You can find more information in our Knowledge Base
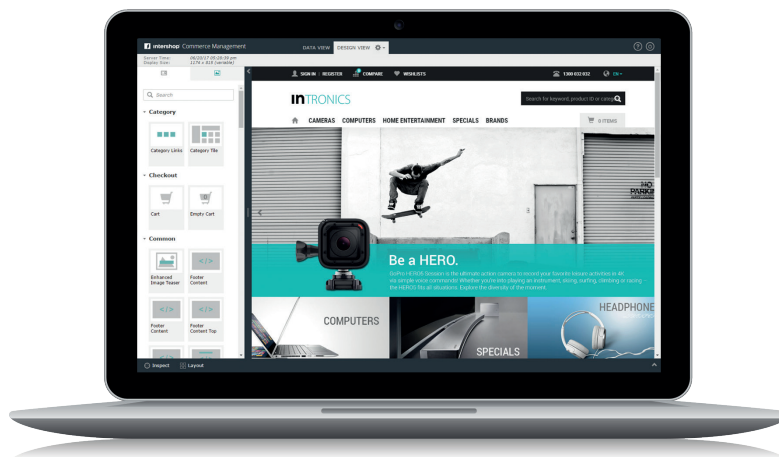
New and Improved Web Content Management Components

The **new video component** allows you to integrate videos from the file system or from external resources such as YouTube or vimeo. Components can be configured individually. For example, a video can be launched when a page is opened or a different image can be displayed before the video starts.

Our usability tests have shown that users do not associate the "Freestyle HTML" component with a text component. That is why we have added a **new text component** with an integrated tinyMCE HTML editor to the existing palette.

Usability for the **image component** has been improved to make choosing the most suitable image simpler for different screen sizes in responsive store fronts. It is also possible to place a text overlay (heading, subheading, text) onto an image and add a call-to-action button.

You can find more information in our Knowledge Base

New B2B Category Page and Product Detail View

Having more than 200 variations for a master product is not uncommon in B2B. Displaying such a large amount of variations in a well structured manner with optimal usability is one of the most important tasks in achieving the best customer experience in a B2B online shop.

With the new Intershop Commerce Management version 7.9, the customer experience for B2B shoppers has been taken to the next level. We have overhauled the category and product detail pages based on experiences garnered from a number of projects in order to fulfill the needs of demanding buyers. Some highlights from the new B2B product variations page include:

- Price range from cheapest to most expensive variation
- Number of variations of a master product
- Filterable list of all product variations
- Variation attributes as Solr filter criteria
- List or tile view and pagination

By configuring the channel preferences, customers can choose whether the traditional or extended B2B product detail page is to be used for their different B2C and B2B sales channels.

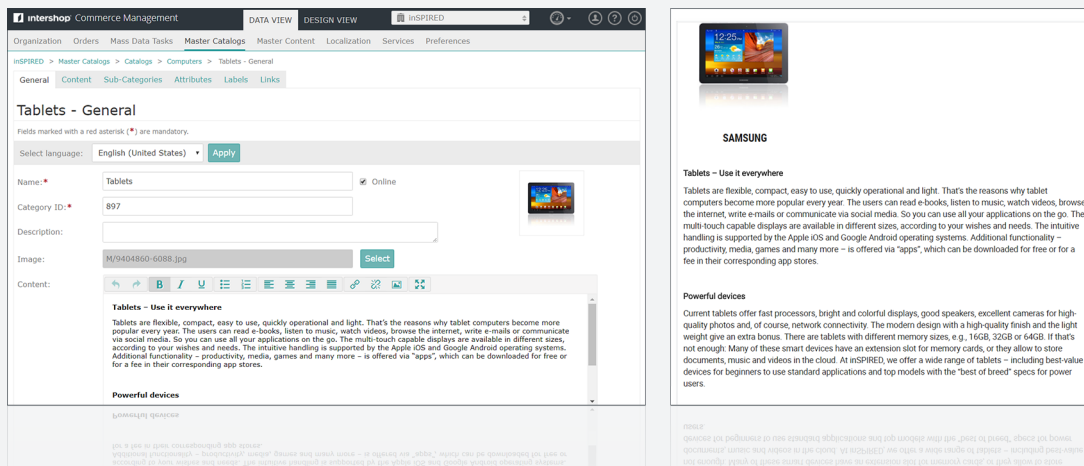*You can find more information in our Knowledge Base*
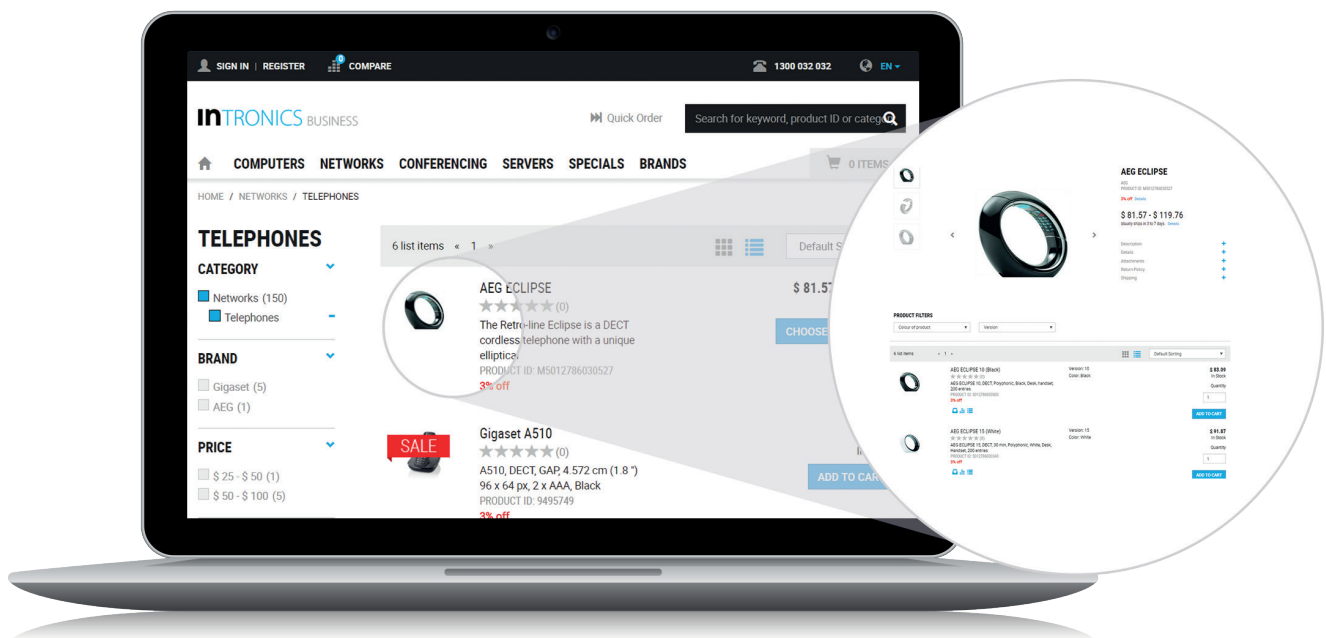
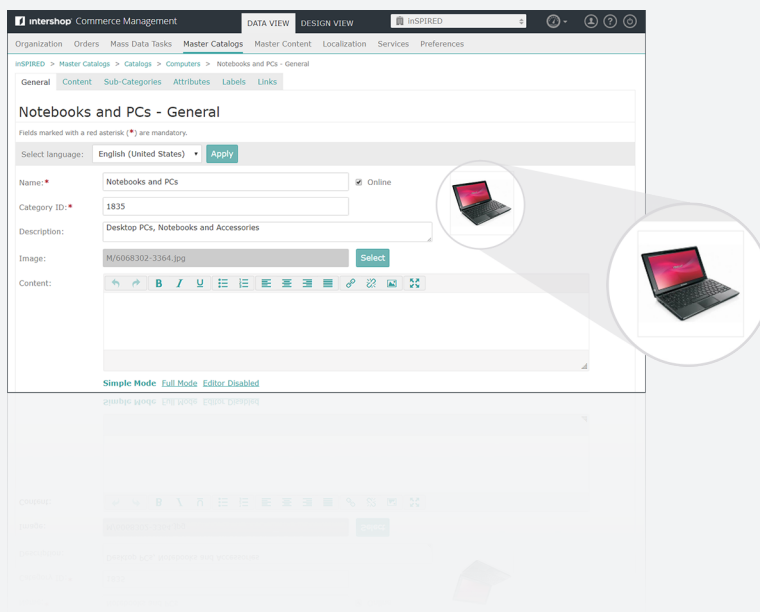# More Customized Category Pages with Rich Content and Images

Category pages with customized content are becoming an increasingly important SEO criterion when it comes to setting yourself apart from the competition in Google rankings.

With version 7.9, shop managers will receive the tools they need to create and manage individual content for category pages.

Content can be quickly and easily created and managed with the integrated tinyMCE HTML editor. The expansion of the import and export functions allows contents to be managed through third party systems. Of course, the inSPIRED demo shop has also been upgraded to include a new content slot on the product category page.

In order to improve the appearance of a category still further, shop managers now have the ability to assign images to product categories. Image references are now part of the import and export of categories.

New Handler Chain Framework

Due to the modernization of the order creation process, the existing handler chain concept had to be over-hauled and expanded. That is why we have developed a compact handler chain framework for version 7.9, which simplifies the orchestration of complex business logic. The following functions are now available:

- Sequential linking of different handlers within a han-dler chain with the aim of simplifying the implemen-tation of new features and customer-specific adjust-ments. Each step fulfills a clearly defined function within the overall process and can therefore be easily supplemented or replaced.
- Users can abort the execution of a handler chain, thereby initiating a roll-back of the entire handler chain in order to roll back the results of a previously executed action.
- A handler chain aggregates the results of executed handlers and makes them available for further pro-cessing.
- A performance sensor is created automatically for each handler in order to deliver information regarding execution speed.
- There is a suitable user interface for developers to visualize handler chains, handlers, and their con-figuration.
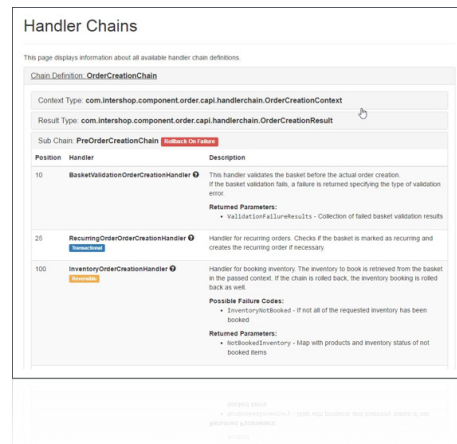
The new handler chain framework can be used by all ICM 7.9 functions. The new order creation process is a first implementation and makes use of the advantages of the new framework.

You can find more information in our Knowledge Base

Modernized Order Creation Process

This version sets an important milestone for the modernization of Intershop Commerce Management's shop-ping basket and order processes. Since version 7.5, we have been continually driving the modernization of all process steps – with the aim of sustainably simplifying the flexibility, migration capability and, in particular, the implementation of new features and customer-specific adjustments. This has also led to a significant improvement in performance.

The completely reworked order creation process seamlessly blends with the overhaul of the shopping basket in version 7.5, the introduction of a new payment framework in version 7.6, and the renovation of address processing and shopping basket validation in version 7.8.

It replaces the former BasketManager, OrderProcessManager, and FulfillmentManager, as well as the associ-ated pipelines, with cleanly encapsulated business objects featuring clearly defined functions and APIs. The business logic for the new order creation process is orchestrated by the new handler chain framework.

We have also focused on enabling new complex functionalities and processes in addition to all existing functionalities:

◣ Complex scenarios with multiple payment methods per order together with asynchronous payments on the part of the payment service provider.

◣ Shopping basket and personal voucher code protection against competing openings during the order process (e.g. due to parallel browser or REST hits). Dispensing with resource-intensive database locks.

◣ Aggregating errors and warnings in the overall result. This aggregation enables a detailed display of error messages in the UI storefront and REST-based clients.

You can find more information in our Knowledge Base

New Promotion Management Features

While modernizing the order creation process in version 7.9 of ICM, we have also transferred the promotion code validation and redemption to corresponding business objects and integrated them into the new order creation chain.
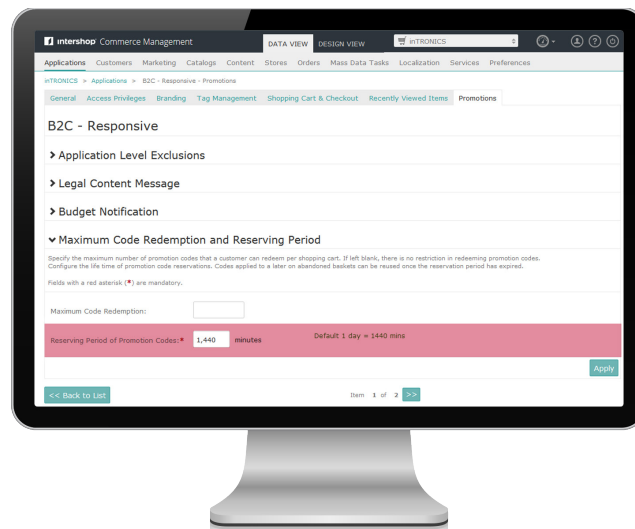
Promotion codes can now also be reserved for a certain period of time. This ensures that a promotion code redeemed in the shopping basket can be reserved until the order is created. This means that the same promotion code cannot be used by another user at the same time.

The decision as to whether a promotion can be used or not is rarely trivial. In deciding whether a promotion is active or not, several aspects, such as customer segment and affiliates, must be taken into account in addition to general information, such as the activation or expiration date.

In order to reduce the ensuing complexity and make adjustments simpler, we have introduced two new concepts for promotions in version 7.9 of ICM. The new "active" status indicates whether a promotion is active and generally available, and "availability" defines whether a promotion is available for the current customer, taking into account customer segment and application chosen.

You can find more information in our Knowledge Base

Administering Process Chains

Process chains are the perfect tool when it comes to automatically executing repeated processes. This tool has become even more powerful thanks to the new interface for administration of process chains in the ICM back office.
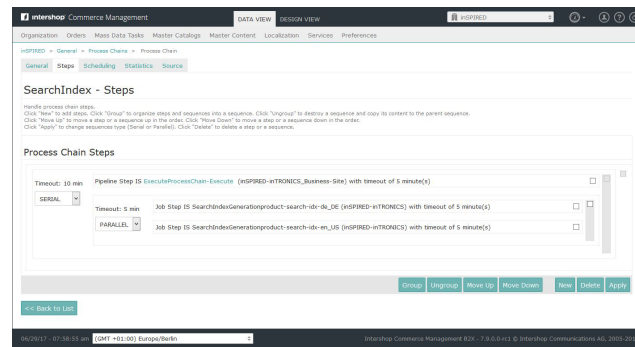

This allows job lists, their order, a serial or parallel execution, grouping or trigger for time-based execution to be configured via the new interface. This considerably simplifies the administration of process chains for many users. New process chains can be created quickly and easily via the ICM back office without creating and deploying XML configurations.

REST API Service Authorization

API commerce is quickly becoming a fixed paradigm in the new e-commerce software economy. Particularly in the field of B2B, this is giving rise to a new set of requirements for REST API service authorization to be flexible enough to minutely manage access control to data and services for different user groups.

For this reason, Intershop will be introducing a new framework for REST API service authorization from version 7.9 onwards in order to meet the recommended guidelines for REST services listed in the "OWASP Top 10".

The principle of obligatory access control applies here. By configuring authorization rules, it is possible to configure access to data and services individually for each user of a REST API. The new framework has seven predefined rules which can be individually expanded, adjusted or combined using links.
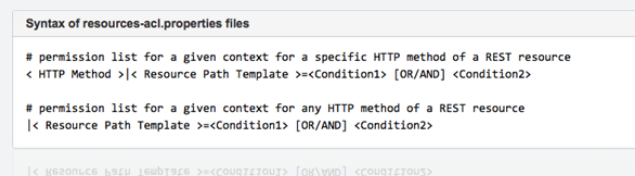

DManagement is simplified thanks to the configuration of authorization rules, while the simple syntax allows business users to understand or create even complex rules quickly.

You can find more information in our [Knowledge Base](#)

Transport Framework

E-commerce platforms are not insular solutions. Rather, they are tightly interconnected with different systems through innumerable data transfers. The setup and maintenance of these data transfers often requires further tools and IT support, in order to transfer cron jobs data from one server to another, for example.

Data transfers between different servers can now be created and managed directly through the ICM back office with the new ICM transport framework. It supports the common protocols for SFTP (push/pull), FTP (push/pull), HTTP(S) (push), and email (push).
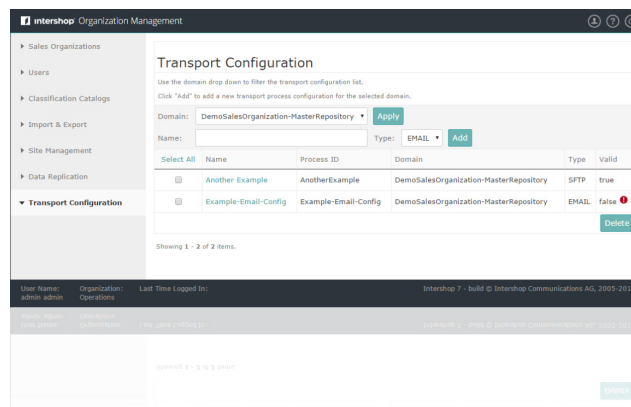

Files can be included or excluded using configurable regular expressions. The execution of file transfer jobs is performed using the tried-and-tested ICM scheduler framework.

You can find more information in our Knowledge Base

Metatags – Time to Say Goodbye

Now the time has come for us to say goodbye to metatags, too. For some time now, Google has not taken metatags into account in the search rankings (Google Webmaster Blog). That is why we have also decided to make life easier for our customers and partners and have removed the metatags for category and product pages in this release. The positives: back office usability has been improved and the storefront works faster.
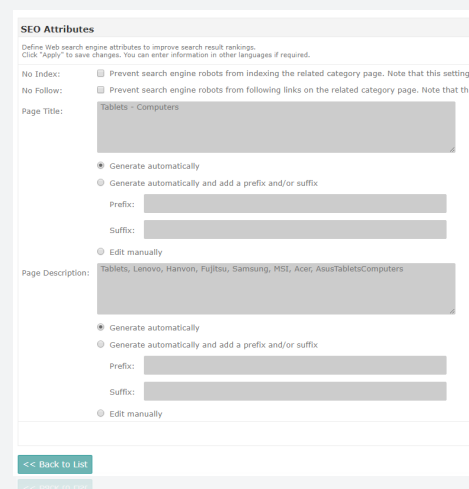
Faster Product and Price List Imports

In addition to specific business functions, B2B and B2C online shops also vary in the number of master products, variations, and price lists they offer. Current customer examples clearly show the volumes B2B companies are dealing with:

◣ 800,000 product and product variations with up to 3,000 variants per master product in some cases – the products must be entirely updated once a day.

◣ Twelve price lists with 80,000 products each – a total of 1 million prices that must be updated daily.

In order to offer our customers optimal performance for their e-commerce system, and with it the necessary agility on the market, we have overhauled and optimized import processes for products and price lists on a number of levels. This has enabled us to achieve an up to 80% performance improvement in the different product import types for "initial", "replace", and "update."

Another enhancement now is that the cache and Solr index only need to be deleted or rebuilt after a certain number of imported products, and the percentage portion of currently imported and existing products can be defined using the new configuration "importedToExistingProductsRatio" in "appserver.properties".

Because the performance of the price list import is to a significant extent defined by the price validators and import types used, it is now possible to individually activate or deactive the price validators and price import types in "PriceListImport.properties."

The improvements that can be achieved in performance depend on the data structure, data-base, network properties, and other auxiliary conditions.

You can find more information in our Knowledge Base under Pricing and Import Framework

Comparison of Import Times
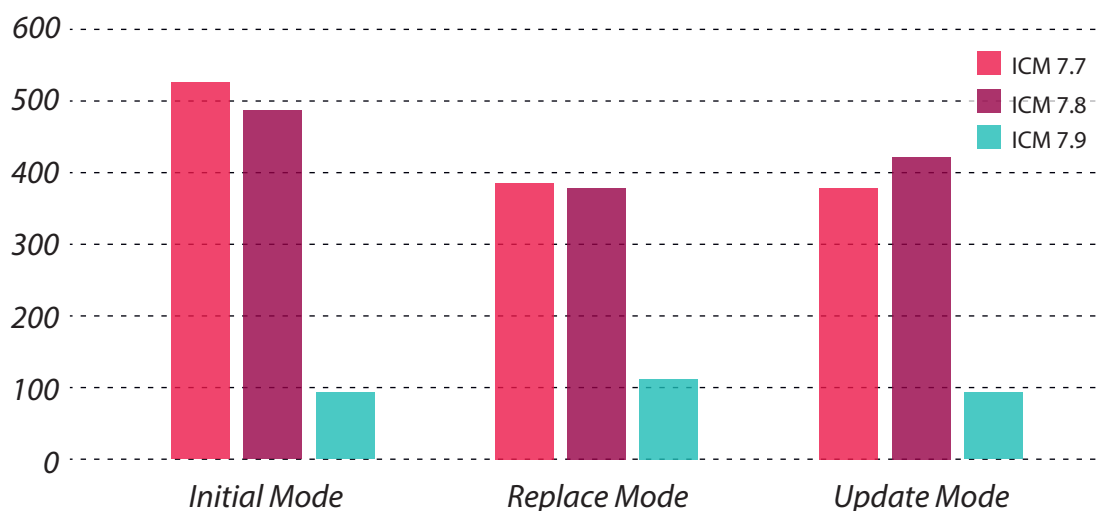
Update to Solr 6.x

The Intershop Solr search adapter is now compatible with Solr 6.x and will be available as an additional search adapter from version 7.9 of ICM.

In order to fully utilize all the benefits of Solr 6.x, the Solr server was unlinked from the ICM server so that Solr can be used as an independent cluster that is separate from ICM. This means it is now possible to set up a scalable and highly available Solr cluster using Solr cloud together with the Intershop Commerce Management system.

As before, Solr can be configured in the ICM back office using the integrated Solr 6.x REST API.

In version 7.9 the Solr search adapter 4.x is preconfigured as standard. The Solr search adapter 6.x can be activated by configuration.

HTTPS Configuration

HTTPS shops are trusted by users and have a positive impact on search engine rankings. Google also has plans to classify all unencrypted websites as unsafe. That is why we have made it simple to convert online shops to HTTPS using a new HttpsOnly property. Once this property is activated, all HTTP traffic is automatically diverted to the secure version.

Further Innovations in Version 7.9 of Intershop Commerce Management:

- It is now possible to activate and deactivate URL rewriting in the ICM back office without restarting the server.
- The two custom attributes for SupplierName and SupplierSKU are now displayed as standard attributes. Neither field is referenced as a custom attribute under product data import or export any longer. The pages in the back office have been amended accordingly.
- There is a new license report to record OCI punch out orders for transaction and sales-based license models. The new OCI license report will be available with the next patch release for ICM 7.8.
- All third-party libraries are now available centrally in Gradle. This will significantly simplify the third party libraries update for partners.
- The "E-Mail a Friend" link in the storefront has been changed to a mailto: link

You can find more information regarding the current version 7.9 of the ICM in our Public Release Notes

Intershop Order Management 2.2

High availability

Intershop Order Management has been redesigned to meet the highest performance and reliability standards, and a simple scalability of the IOM without downtimes has been also been made possible thanks to native high availability.

The front end application for external communication with third party systems and the back end application can now be run independently from one another in a highly available cluster for handling business processes.

You can find more information in our [Knowledge Base](#)

Order Capture API Version 1.2

The order capture API for transmitting orders to the Order Management system is available in version 1.2. The calculation model for Intershop Commerce Management promotions is now supported. This allows the mismatches generated by the different IOM and ICM calculation models to be prevented. The API also supports percentage and absolute discounts for orders, order items, and fees as well as cost centers and projects for items and orders.

New Features in the Order Management Back Office

- Customer delivery addresses have been expanded to include the attribute "second attempt delivery". This allows a call center agent to indicate whether a second attempt at delivery is possible for the selected customer delivery address. The new attribute is also supported by the order capture API.
- The invoice details page now shows the payment status of the invoice. An invoice can be marked as paid in the back office or via API from the accounting system.
- For manual credit notes, net values can now be entered for B2B business. For B2C business, gross values must be entered.
- The supplier's delivery note number can now be transferred to connected accounting systems using the IOM accounting interface.
- The time period for the creation of collective invoices can now be configured on the customer details page.

You can find more information regarding the IOM 2.2 release in our [Public Release Notes](#)

Call us for more information!
We are here for you.

Intershop Communications AG
Intershop Tower
07740 Jena, Germany

Phone: +49 3641 50-0
Fax: +49 3641 50-1111

contact@intershop.de
www.intershop.com