



Upgrade of product search for editorial process automation

We improved the editorial workflow in our Vendor Central PIM for content editors somewhat:

- The booking of products is skipped when an editor starts to describe and own a product that was previously “undescribed” or “to do”.
- Only the editor who booked a product can describe this product, no other editor can add images, multimedia objects, product specs etc. to the product data-sheet.
- Between comments a semicolon is added in the Status column as a visual separator.

Feed Philips by Signify

The current API feed from Philips by Signify works in three days batches. Per batch import, we are getting lots of updates regarding different lamps, which are useful for Signify’s channel partners in their webshops. We changed the logic so that account managers can receive a report regarding how many product the API-in has processed, how many new products are added or skipped, and which attributes need to be mapped to get more products or product information from the Philips by Signify feeds, such as categories, families, and specs. It helps us to analyze and support this API-in process better.

Feed HP

Implemented the support of GTINs in the system, not every one separate, but in batch. It means that we are sending now several GTINs at the same time, which reduces the I/O load of the database and improves the speed of processing GTINs.

Next steps:

- Supporting new multimedia objects such as EU Energy Labels from HP.
- Updating the report generator to differentiate the use of product data-sheets per API-type (XML, JSON, Live, Front Office), per country, per subscribed language, per business type etc.

Changed XSD schema

For our main API-out - XML - we have in the system XSD schema where our users can find all definitions regarding every tag in Icecat's XML output and what to expect from it. See: https://bo.icecat.biz/xsd/ICECAT-interface_response.xsd

For now, we improved this XSD schema and corrected it for one discrepancy regarding the definition of Feature Logo Value.

before

```
769     </xs:complexType>
770
771     <xs:complexType name="FeatureLogoValue">
772         <xs:attribute name="ID" type="xs:integer" use="required"/>
773     </xs:complexType>
774
775     <xs:complexType name="FeatureLogoCategoriesList">
```

after

```
770
771     <xs:complexType name="FeatureLogoValue">
772         <xs:simpleContent>
773             <xs:extension base="xs:string">
774                 <xs:attribute name="ID" type="xs:integer" use="required"/>
775             </xs:extension>
776         </xs:simpleContent>
777     </xs:complexType>
778
779     <xs:complexType name="FeatureLogoCategoriesList">
```

Coverage report - create API with better speed

Coverage report from file - it is existing functionality which was working too slow, and all account managers experienced this problem. For instance, a coverage report with more than 600k of products could take several days.

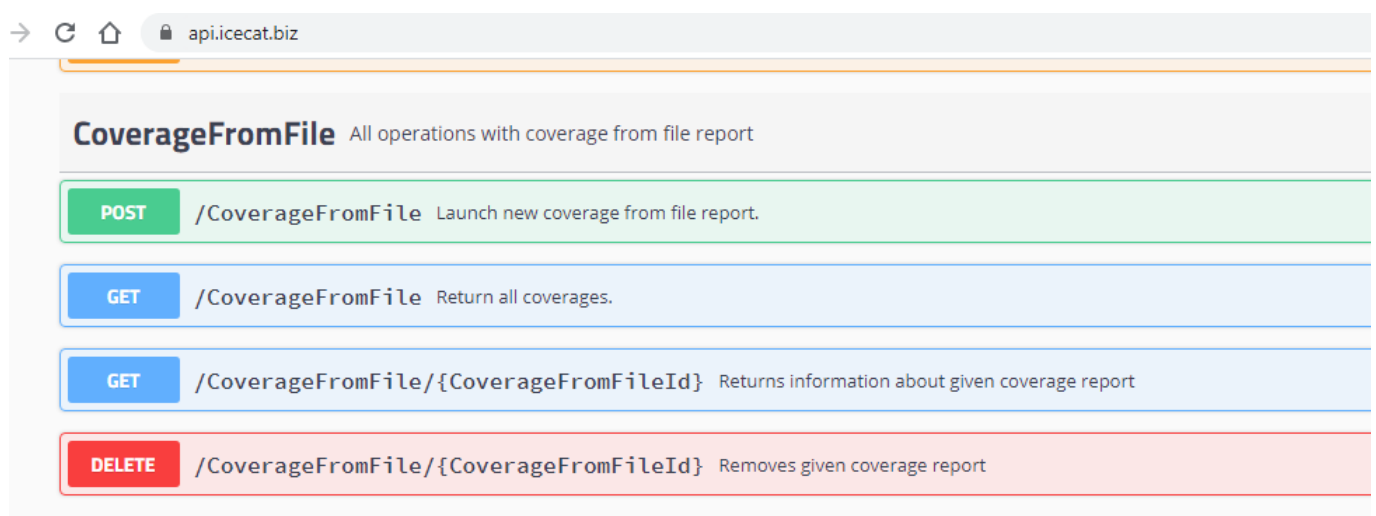
The dev team has improved the speed of this coverage report. The first step is finished: to create a new API to create this report quicker than before.

Example results:

- the coverage from file report for 100k of products: created in 11 minutes;
- coverage from file with 1 million of products: created in 2 hours.

For now, as the speed of the new coverage from file report is far better and suffices, we paused further improvements till a new bottleneck is reached.

You can see our new public API at <https://api.icecat.biz/>



Applying deduplication to short and long summary descriptions

In all our interfaces, deduplication is implemented for Short and Long Summary Descriptions as we have it in the product Title already. Below the Before and After situation:

Long product name Apple iPhone 7 11.9 cm (4.7") 2 GB 32 GB Single SIM Black 1960 mAh :

11.938 cm (4.7 ") , 1334 x 750, Retina HD, A10 + M10, 32GB, Touch ID, 802.11ac, Bluetooth 4.2, NFC, 12MP + 7MP, iOS 10

Short summary description Apple iPhone 7 11.9 cm (4.7") 2 GB 32 GB Single SIM Black 1960 mAh:

Apple iPhone iPhone 7, 11.9 cm (4.7"), 2 GB, 32 GB, 12 MP, iOS 10, Black

Long summary description Apple iPhone 7 11.9 cm (4.7") 2 GB 32 GB Single SIM Black 1960 mAh:

Apple iPhone iPhone 7. Display diagonal: 11.9 cm (4.7"), Display resolution: 1334 x 750 pixels, Display type: IPS. Processor family: Apple, Processor model: A10. RAM capacity: 2 GB, Internal storage capacity: 32 GB. Rear camera resolution (numeric): 12 MP, Rear camera type:

after

Long product name Apple iPhone 7 11.9 cm (4.7") 2 GB 32 GB Single SIM 4G Black iOS 10 1960 mAh :

11.938 cm (4.7 ") , 1334 x 750, Retina HD, A10 + M10, 32GB, Touch ID, 802.11ac, Bluetooth 4.2, NFC, 12MP + 7MP, iOS 10

Short summary description Apple iPhone 7 11.9 cm (4.7") 2 GB 32 GB Single SIM 4G Black iOS 10 1960 mAh:

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Long summary description Apple iPhone 7 11.9 cm (4.7") 2 GB 32 GB Single SIM 4G Black iOS 10 1960 mAh:

Apple iPhone 7. Display diagonal: 11.9 cm (4.7"), Display resolution: 1334 x 750 pixels, Display type: IPS. Processor family: Apple, Processor model: A10. RAM capacity: 2 GB, RAM type: LPDDR4, Internal storage capacity: 32 GB. Rear camera resolution (numeric): 12 MP, Rear

Frontoffice: Redesigned ICURY page

In the scope of our user back-office redesign epic, we improved the ICURY page. UI looks great, UX is improved. The next page on our to do list is My Downloads!

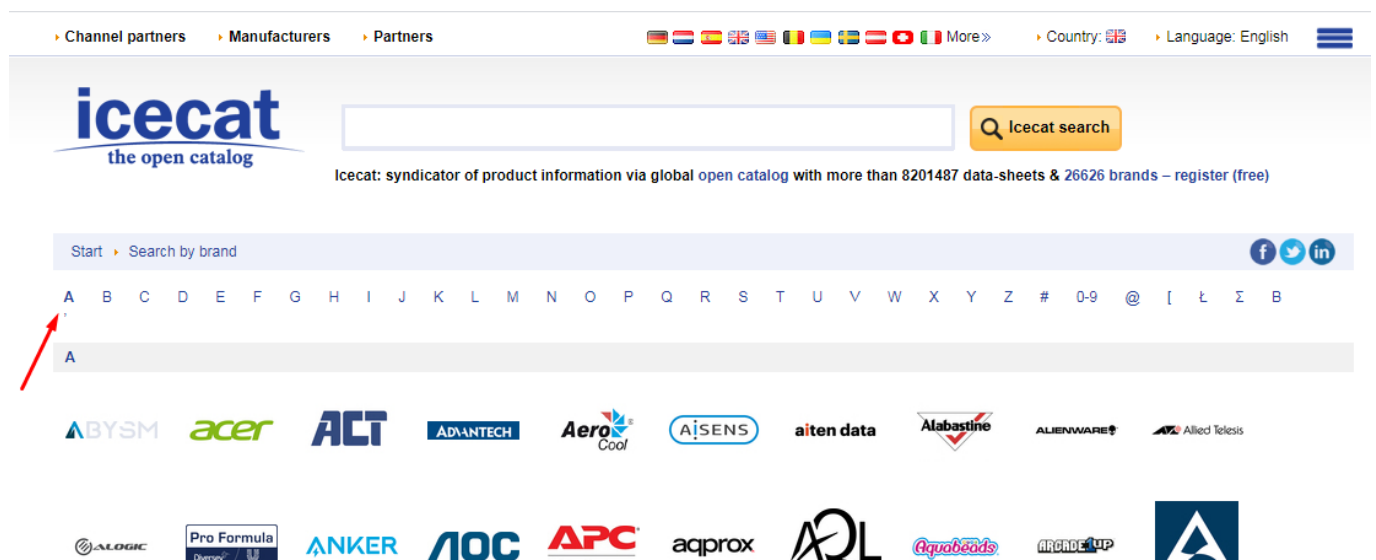
The screenshot shows the top navigation bar with links for Channel partners, Manufacturers, and Partners, followed by a row of country flags and a 'More>' link. On the right, it shows 'Country: [UK flag]' and 'Language: English' with a hamburger menu icon. Below the navigation is the Icecat logo 'icecat the open catalog' and a search bar with a yellow 'Icecat search' button. A tagline reads: 'Icecat: syndicator of product information via global open catalog with more than 8201487 data-sheets 26626 brands – register (free)'. A login link says 'Login for users (channel partners, manufacturers) of Icecat data.' Below that are buttons for 'My profile', 'My downloads', 'My price list', and an 'Icury' button with a coin icon. The main content area has a heading 'Icury' and a paragraph: 'If your ether address contains ICURY tokens they will become visible. For more information see icury.com'. It lists: 'My Ether Wallet: 0x2BA8eaE01b48e0110aF93aa70CB50bb5020A7DC0', 'My wallet balance: 0 Icury', and 'My balance at Icecat: 0 Icury'. A 'Transactions' section has a table with headers: TxHash, Date, From, To, and Quantity. At the bottom right is a yellow button that says 'UPLOAD TO MY BALANCE AT ICECAT'.

Frontoffice: security improvement by encrypting the fields in Redis cache

In the scope of our on-going security improvement process, we applied encryption to the Redis cache that we use. We're staying in close touch with the latest technologies!

Brand Page: added non-listed brands and reordered the sorting

We moved non-alphabetical characters to the end of the brand index and start now by default with the letter "A".



Support

- Created a report for February for the Product Story asset based on statistical info collected.
- Fixed the original link been missing for product gallery in the frontoffice for all pictures except for the first one.



Read further: [Covid-19 Lab](#), [News](#), [API](#), [front office](#), [hp](#), [PIM](#), [signify](#), [Vendor Central](#), [XSD](#)

Vladimir Demchuk

