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Revised Data Model With Section/Set Swap

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Krister Kittelson (<https://autocare.communifire.com/people/krister-kittelson>)



1/24/2020

Hello, All,

I've put together a revised data model that swaps the roles of the set and the section.

Now the set is the grouping of products, and the section is their format, so you can have "Brake Pads and Shoes" as the set, then "ACES 3.1" as the section.

Here is a concrete hypothetical example:

Auto Parts Global GmbH, a holding company, runs a sandpiper server for all of their content delivery. They own two companies: Bob's Auto Parts, and Braking Systems & Associates. These two have very different needs and capabilities -- Bob's auto parts has a slightly older toolchain, and sells wiper blades, accessories, and cleaning supplies (including wiper business with NAPA). Braking Systems & Associates has a more modern toolchain but sells just brake friction to the broader market, with no NAPA business.

However, Auto Parts Global is still using Level 1 data exchange.

Their data model in the Sandpiper node looks like this:

<u>Node</u>	<u>Pool</u>	<u>Set</u>	<u>Section</u>	<u>Slice</u>	<u>Grain</u>
Auto Parts Global GmbH					
	Bob's Auto Parts				
		Winers and Accessories			

Wipers and Accessories

ACES 3.1

Wipers

APG_BAP_Wipers_ACES_FULL_2021-02-15.XML

Accessories

APG_BAP_MiscWiperAccessories_ACES_FULL_2021-02-15.x

PIES 6.5

Wipers and Accessories

APG_BAP_WipersAndAccessories_PIES_FULL_2021-02-15.xi

Digital Assets

Wipers and Accessories

APG_BAP_WipersAndAccessories_Images_2021-02-15.zip

NAPA PartsPro Full

Wipers

APG_US_XWW_Applications_Full_02152021.txt

NAPA PartsPro NetChange

Wipers

APG_US_XWW_Applications_NetChange_02152021.txt

NAPA Supplier Portal SmartSheet

Wipers

APG_US_XWW_Smartsheet_02152021.xlsx

Unspecified Binary Format

Accessory Product Compatibility Chart

APG_BAP_AccessoryCompatibility_2021Q1.xlsx

Cleaning Supplies

PIES 6.5

Solvents and Cleaning Compounds

APG_BAP_CleaningFluids_2020-09-10.xml

Paper Towels and Rags

APG_BAP_TowelsRags_2019-01-10.xml

Cleaning Tools

APG_BAP_CleaningTools_2019-02-20.xml

Digital Assets

Cleaning Supplies

APG_BAP_CleaningSupplies_2020-09-10.zip

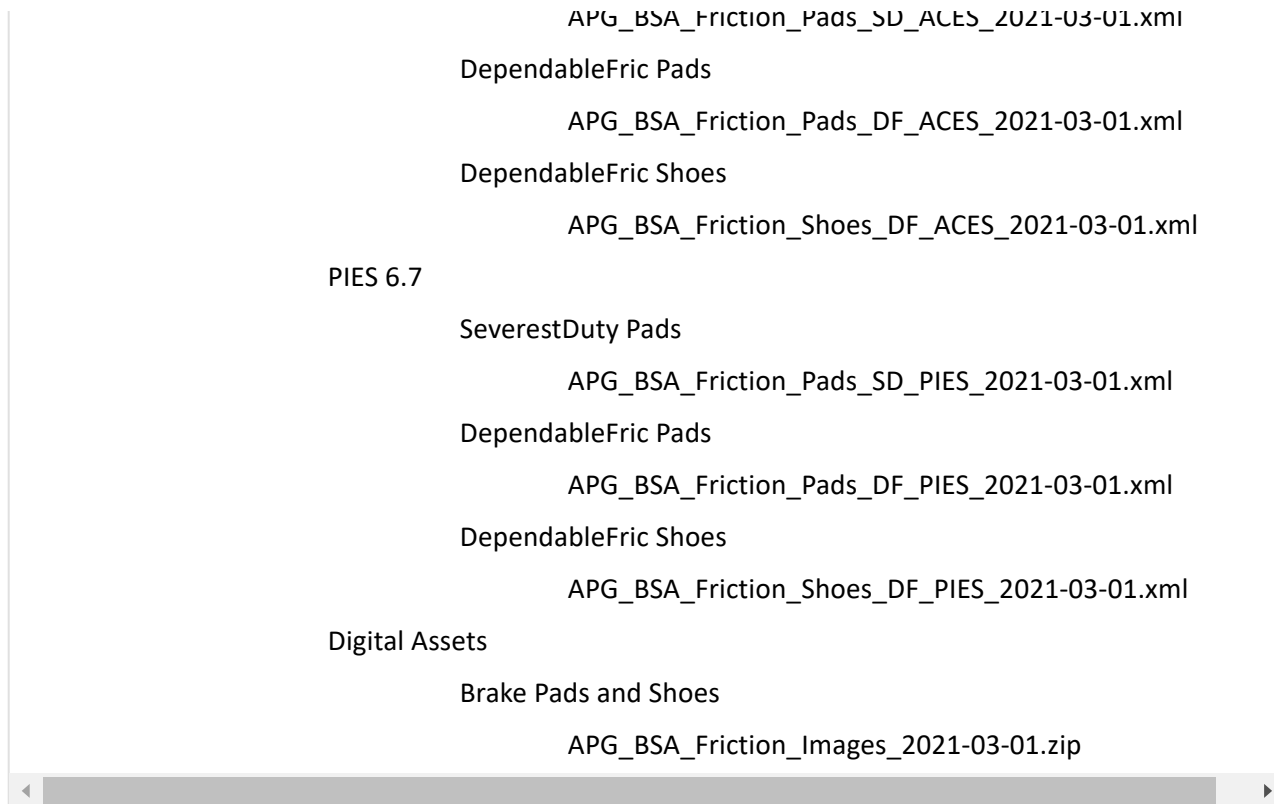
Braking Systems & Associates

Brake Pads and Shoes

ACES 3.1

SeverestDuty Pads

APG_BAP_FullSeverestDutyPads_ACES_2021-02-04.XML



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Doug Winsby (<https://autocare.communifire.com/people/dougwinsby>)

1/24/2020

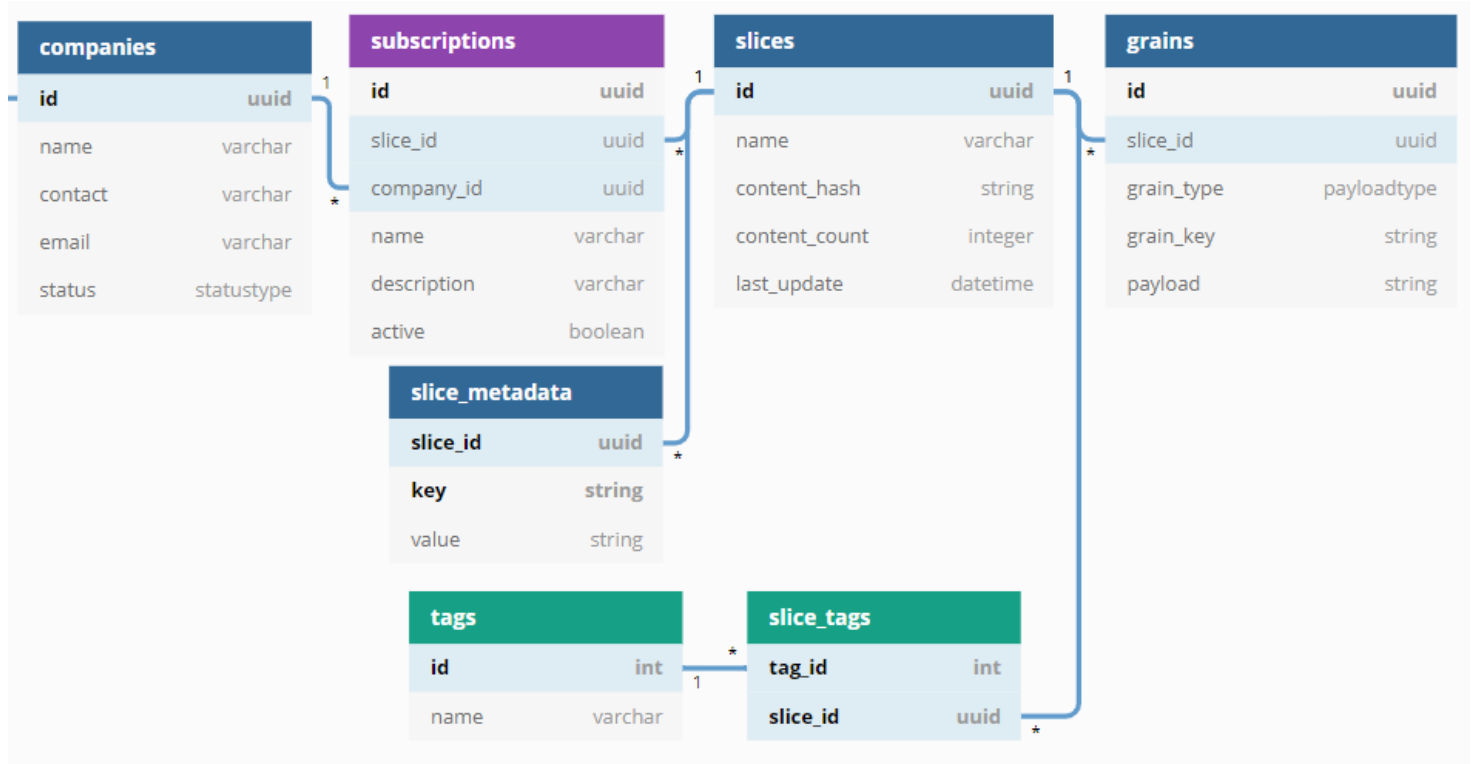


✓ Answered

I don't see a need for the extra groupings to allow the exchanging of grains. It seems to me the PIM could manage these groupings and relationships. Everything you've defined could be pushed down to the "Slice" level (except for the Pool, which is just another database).

If you need to group slices, you could use the slice metadata for that purpose, or we could add a "tagging" table that would allow you to tag slices with whatever you want (for internal organization).

<http://howto.philippkeller.com/2005/04/24/Tags-Database-schemas/>
(<http://howto.philippkeller.com/2005/04/24/Tags-Database-schemas/>).



Our current thinking is that these tags would be for internal use and so not synced with trading partners (which is why we've made it a simple integer primary key).

tagging (/spaces/127/sandpiper/searchresults?keyword=%22tagging%22&searchtags=1)

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