Odoo Community Association

Making Odoo mightier, together

OCA Days 2022

October 10th, 2022

OCA Days 2022

October 10th, 2022

Shopinvader - Headless

Alcyon Belux

Laurent Mignon **Acsone**
Thibault REY **Akretion**

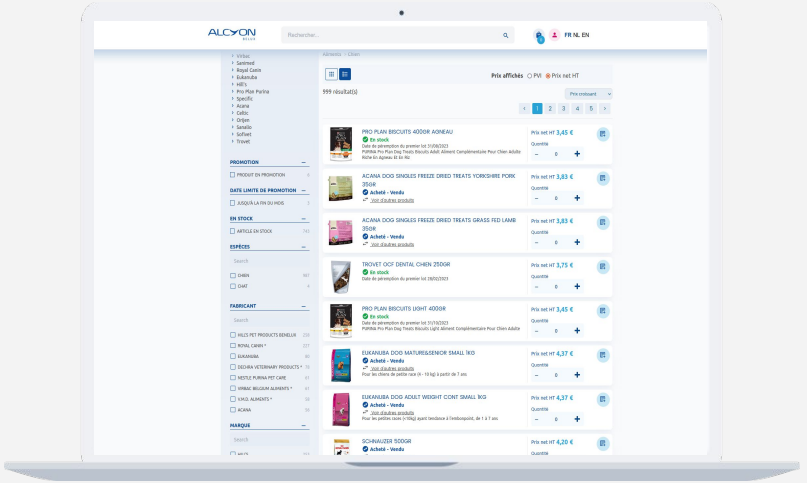
Customer use case

Alcyon Belux

01 | Customer context

02 | Project Objectives

03 | Customer constraints



Customer context

ALCYON Belux
B2B veterinary products wholesaler in Belgium and Luxemburg
Type of Veterinary Products : Drugs, Food, Medical Equipment

+/- 55 000 K€

Sales performance

18 000

products in 3 languages

Project Objectives

Replace an existing webshop in Magento v1

Maintain important sale channel

Customer constraints

1. **webshop order quantity**
   +/- 1000 Sales Orders per day

2. **Product prices**
   +/- 130 different prices per product

3. **Catalog per customer profile**
   Some products page and some attributes are available only for specific customer profile.
   +/- 10 customer profiles

Customer constraints

4

Website availability

Main sale channel, Website high availability required. A customer must be able to fill his cart even if odoo is offline

5

Complex search query

Some products page and some attributes are visible only for specific customer profile.
+/- 10 customer profiles

6

Agnostic Odoo version

Decoupled from odoo version
Migration from odoo 10 to last odoo version : no change on the API and the front-end.

Architecture

Shopinvader Headless

01 | Backend side

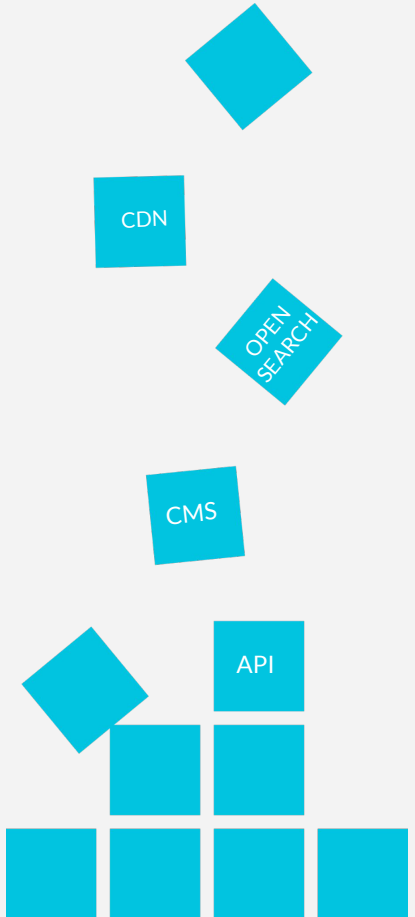
02 | Frontend

03 | Security anatomy

04 | JWT Token Payload

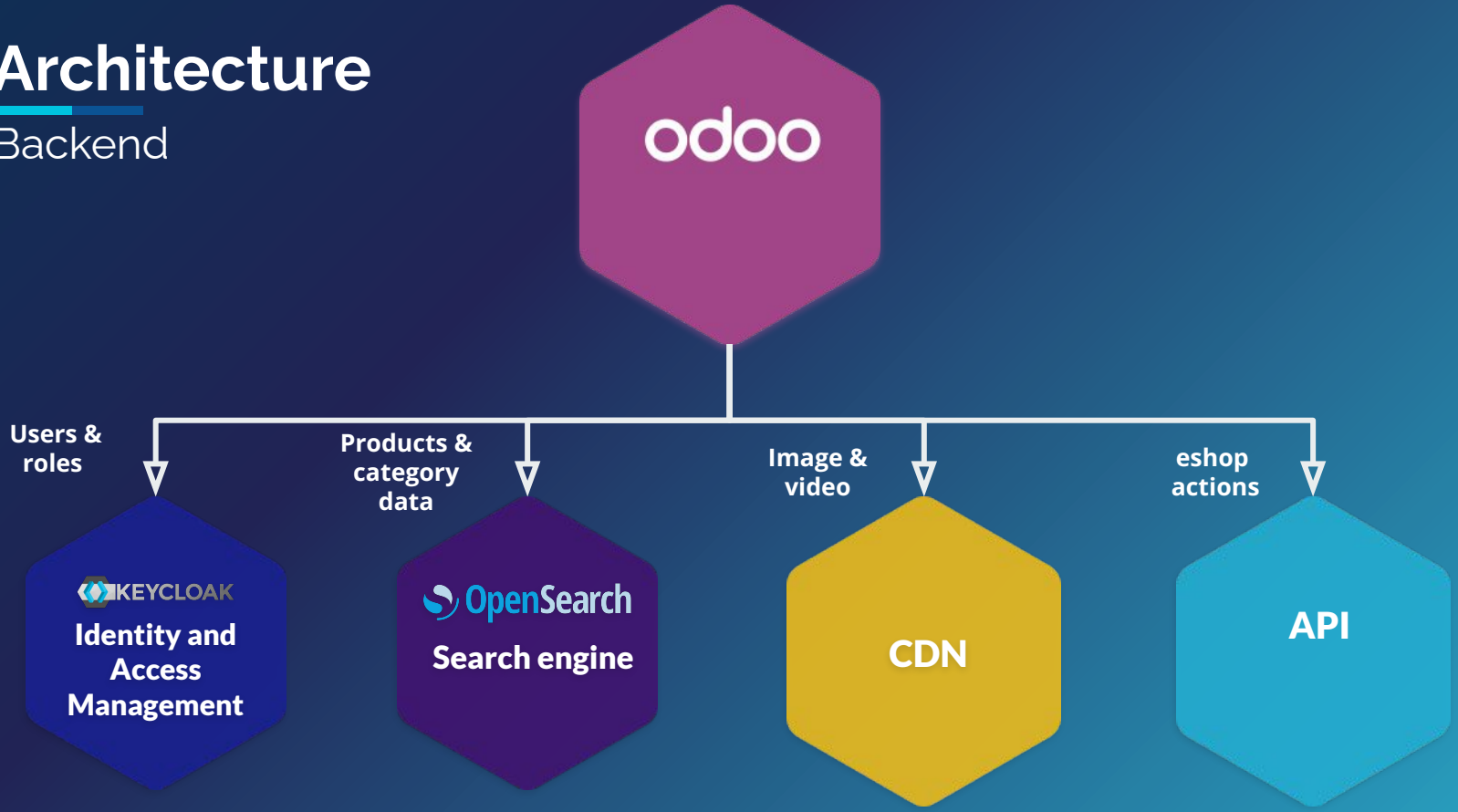
05 | Payload info are provided by Odoo

06 | Payload info are provided by Odoo



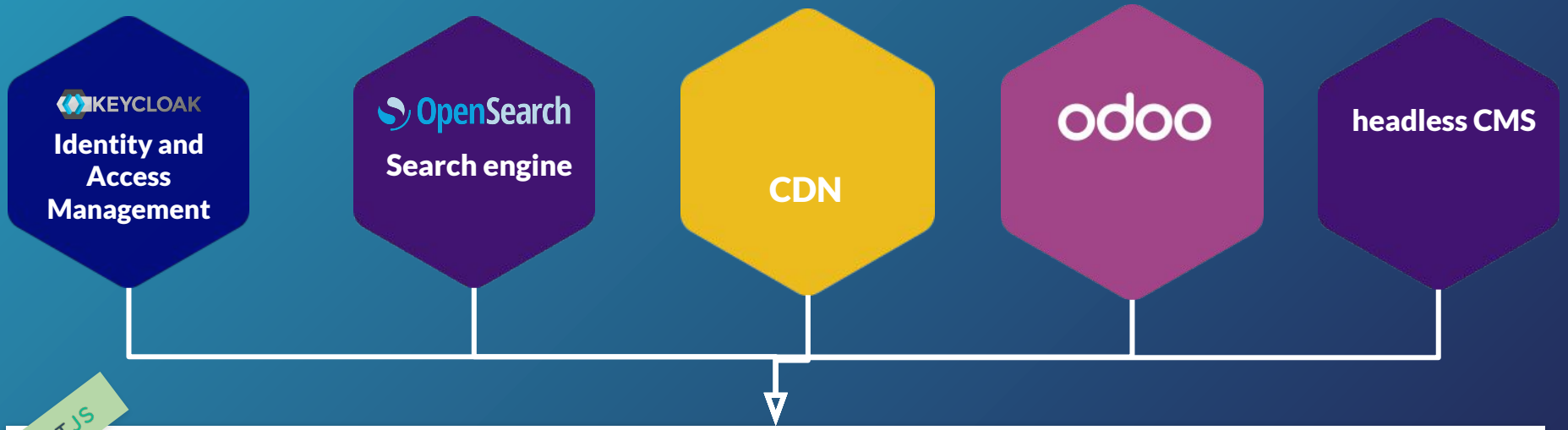
Architecture

Backend

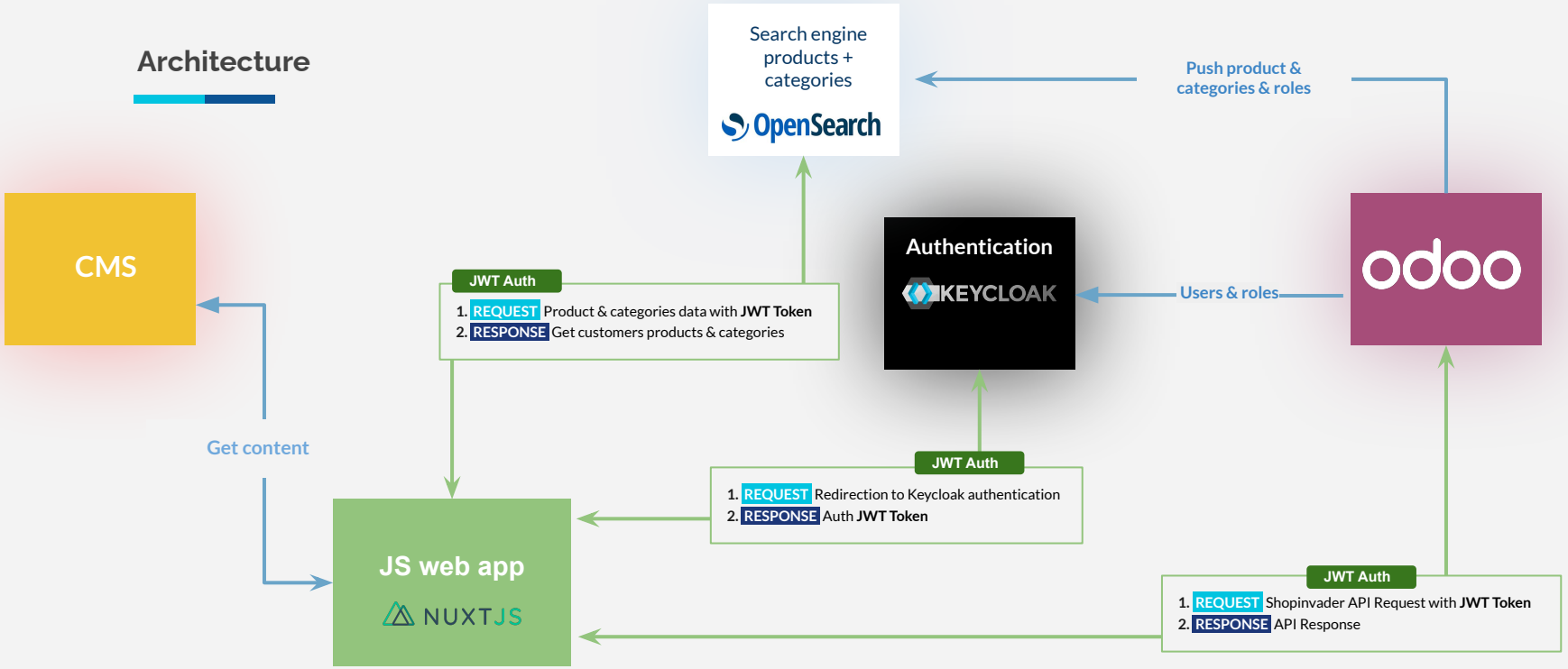


Architecture

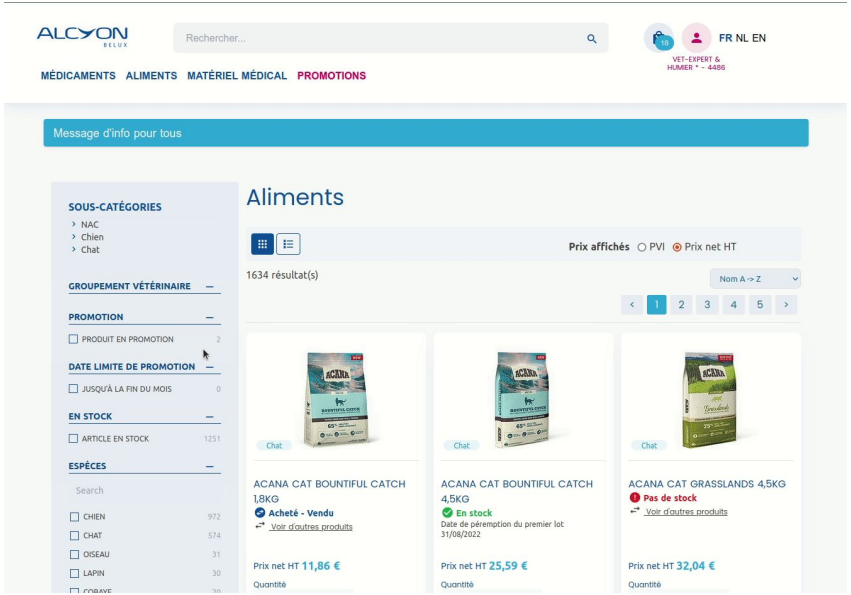
Frontend



Architecture



Demo


ALCYON
BELUX
Rechercher...
FR NL EN
VET-EXPERT &
HUMER * - 4486
MÉDICAMENTS ALIMENTS MATÉRIEL MÉDICAL PROMOTIONS
Message d'info pour tous
SOUS-CATÉGORIES
NAC
Chien
Chat
GROUPEMENT VÉTÉRINAIRE
PROMOTION
PRODUIT EN PROMOTION 2
DATE LIMITE DE PROMOTION
JUSQU'À LA FIN DU MOIS 0
EN STOCK
ARTICLE EN STOCK 1251
ESPÈCES
Search
CHIEN 972
CHAT 574
OISEAU 31
LAPIN 30
Aliments
Prix affichés PVI Prix net HT
1634 résultat(s)
Nom A -> Z
1 2 3 4 5
Chat
ACANA CAT BOUNTIFUL CATCH
1,8KG
Acheté - Vendu
Voir d'autres produits
Prix net HT 11,86 €
Quantité
Chat
ACANA CAT BOUNTIFUL CATCH
4,5KG
En stock
Date de péremption du premier lot
31/08/2022
Prix net HT 25,59 €
Quantité
Chat
ACANA CAT GRASSLANDS 4,5KG
Pas de stock
Voir d'autres produits
Prix net HT 32,04 €
Quantité

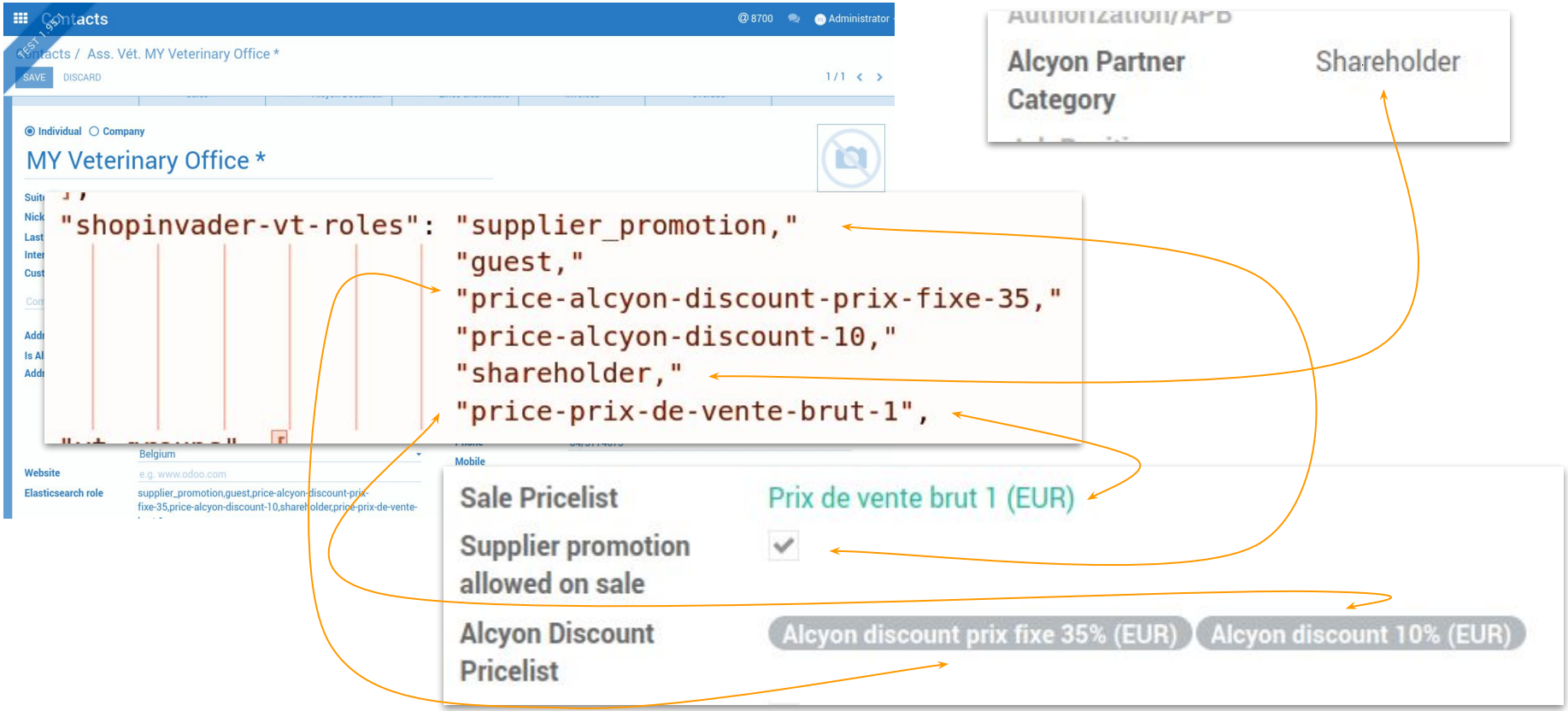
Security anatomy

- Shared JWT token
- Roles based security
- Odoo driven security

JWT Token Payload


```
{
  "vt-pricelist-discounts":[
    "discount_price-alcyon-discount-prix-fixe-35",
    "discount_price-alcyon-discount-10"
  ],
  "shopinvader-vt-roles":"supplier_promotion,guest,price-alcyon-discount-prix-fixe-35,price-alcyon-discount-10,shareholder,price-prix-de-vente-brut-1",
  "vt-groups":[
    2,
    1
  ],
  "preferred_username":"manu2",
  "locale":"fr_BE",
  "given_name":"MY",
  "help_with_fee":false,
  "ref":"4486",
  "vt-pricelist-gross":"price-prix-de-vente-brut-1",
  "vt-supplier-promotion":true,
  "name":"MY Veterinary Office *",
  "can_order":true,
  "family_name":"Veterinary Office *",
  "supplier_id":8643,
  "email":"my.veterinary.office@gmail.com"
}
```

Payload info are provided by Odoo



“guest” role definition into Opensearch

```
{
  "cluster_permissions": ["read"],
  "index_permissions": [
    {
      "index_patterns":["alc_shopinvader_category_*"],
      "allowed_actions": ["read"],
      "masked_fields": []
    },
    ...
    {
      "index_patterns":["alc_shopinvader_variant_*"],
      "dls": "{\"bool\": {\"must\": {\"term\": {\"allowed_partner_types\": \"guest\"}}}}",
      "fls": ["allowed_partner_types", "supplier_id", "objectID", "model", "url_key", "redirect_url_key",
              "main", "short_description", "description", "name.*", "name", "short_name", "seo_title",
              "meta_keywords", "meta_description", "variant_count", "categories", "categories.*", "sku",
              "variant_attributes", "images", "attributes", "attributes.*", "structured_attributes",
              "structured_attributes.*", "attribute_set", "hierarchicalCategories", "hierarchicalCategories.*",
              "barcode", "belgium_only", "cnk_code", "create_date", "vendor_product_code", "veterinary_only",
              "taxes_id", "not_sold_on_website", "packaging_ids", "route_from_categ_ids", "unit_in_shrink_wrap",
              "promo_bag", "sterile", "fabric", "link_info", "link_notice", "link_video", "description_shop_short",
              "description_shop_long", "class_amcra", "code_amm", "code_cti", "storage_temperature_id", ...],
      "allowed_actions": ["read"],
      "masked_fields": []
    }
  ],
  "tenant_permissions": []
}
```

You, 24 seconds ago • Uncommitted changes

Document Level Security as a query

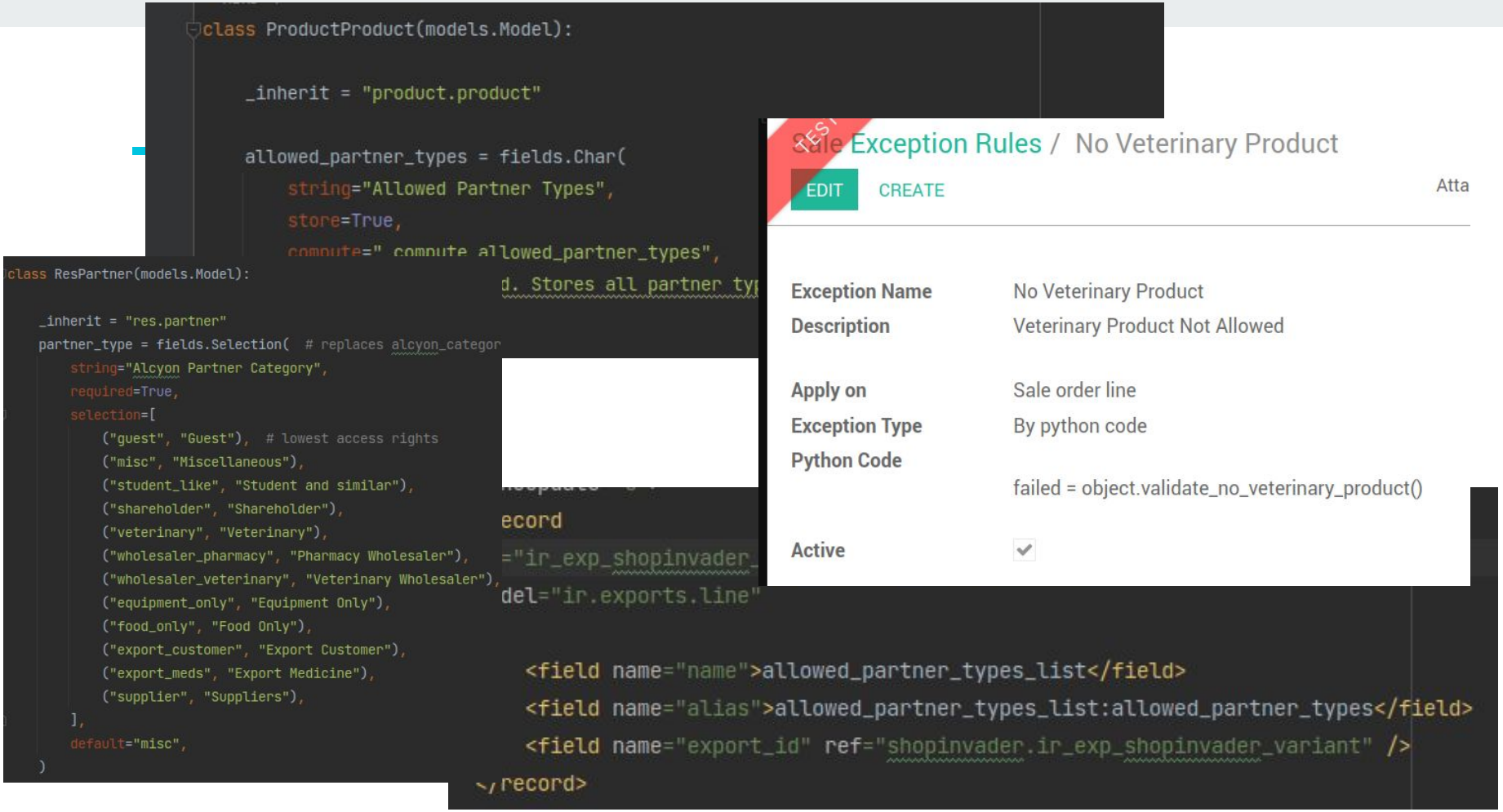
Field Level Security as a list of visible fields

“shareholder” role definition into Opensearch

```
{
    "index_permissions": [
    {
      "index_patterns":["alc_shopinvader_variant_*"],
      "dls": "{\"bool\": {\"must\": {\"term\": {\"allowed_partner_types\": \"shareholder\"}}}}",
      "fls": ["stock.*"]
    }
  ]
}
```

“price-prix-de-vente-brut-1” role definition into Opensearch

```
{
    "index_permissions":[
        {
            "index_patterns":["alc_shopinvader_variant_*"],
            "fls": ["indicated_price", "price.price-prix-de-vente-brut-1.*", "price.discount_price-prix-de-vente-brut-1.*"
                    "current_price-prix-de-vente-brut-1", "current_discount_price-prix-de-vente-brut-1",
                    "current_discount_price-prix-de-vente-brut-1_exclusive"]
        }
    ]
}
```

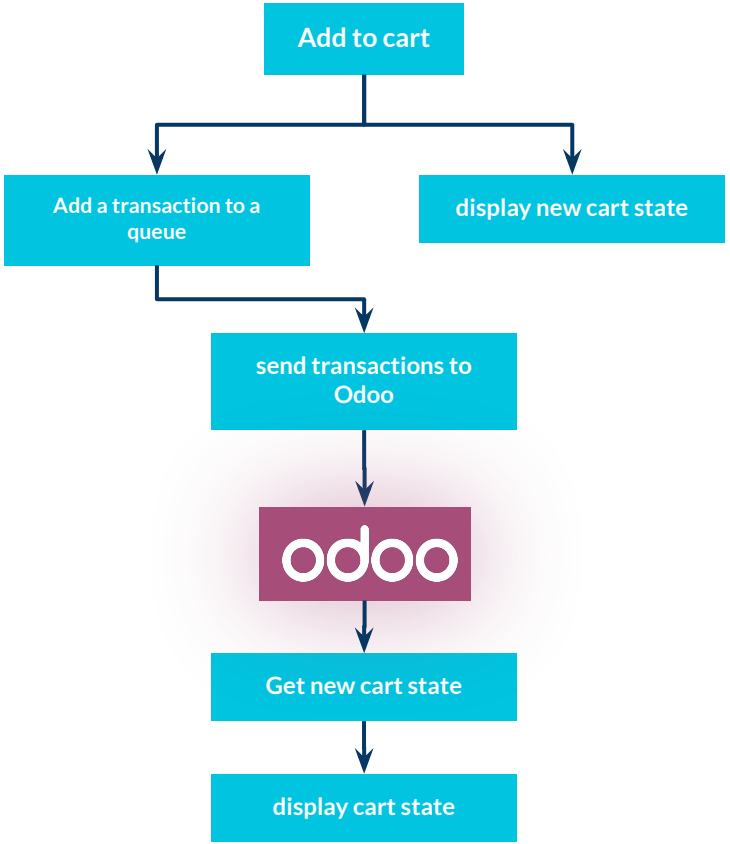

class ProductProduct(models.Model):
_inherit = "product.product"
allowed_partner_types = fields.Char(
string="Allowed Partner Types",
store=True,
class ResPartner(models.Model):
_inherit = "res.partner"
partner_type = fields.Selection(# replaces alcyon_categor
string="Alcyon Partner Category",
required=True,
selection=[
("guest", "Guest"), # lowest access rights
("misc", "Miscellaneous"),
("student_like", "Student and similar"),
("shareholder", "Shareholder"),
("veterinary", "Veterinary"),
("wholesaler_pharmacy", "Pharmacy Wholesaler"),
("wholesaler_veterinary", "Veterinary Wholesaler"),
("equipment_only", "Equipment Only"),
("food_only", "Food Only"),
("export_customer", "Export Customer"),
("export_meds", "Export Medicine"),
("supplier", "Suppliers"),
],
default="misc",
Sale Exception Rules / No Veterinary Product
EDIT
CREATE
Exception Name
No Veterinary Product
Description
Veterinary Product Not Allowed
Apply on
Sale order line
Exception Type
By python code
Python Code
failed = object.validate_no_veterinary_product()
Active
<field name="name">allowed_partner_types_list</field>
<field name="alias">allowed_partner_types_list:allowed_partner_types</field>
<field name="export_id" ref="shopinvader.ir_exp_shopinvader_variant" />
</record>

API Features

- Wishlist
- promotion subscription
- stats
- backoffice
- cart
- simple cms content

Cart JS library

- Instant add / remove to cart
- Offline support
- Check availability at confirm



Merci
Thank you

Find this presentation here

2022 OCA DAYS Meet & code

acsone Akretion