Sitecore OrderCloud Introduction

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About me

Freelancer Solutions Architect

Sitecore Technology/Commerce MVP 8 times (2014-2016, 2019-2023)

Sitecore Commerce, Active Commerce and **Ordercloud Certificate Developer**.

Sitecore Stackexchange Addicted (https://sitecore.stackexchange.com/)

Blog: https://sitecoreclimber.wordpress.com

Twitter: https://twitter.com/SitecoreClimber

Agenda

Intro to Sitecore OrderCloud

Sitecore OrderCloud Architecture

Sitecore Ordercloud How to Start/Certification

Deploy Sitecore HeadStart locally and to Vercel

Sitecore HeadStart Admin Demo

Intro to Sitecore OrderCloud

The [OrderCloud](#) platform is MACH certified, fully hosted, cloud-native SaaS headless commerce solution.
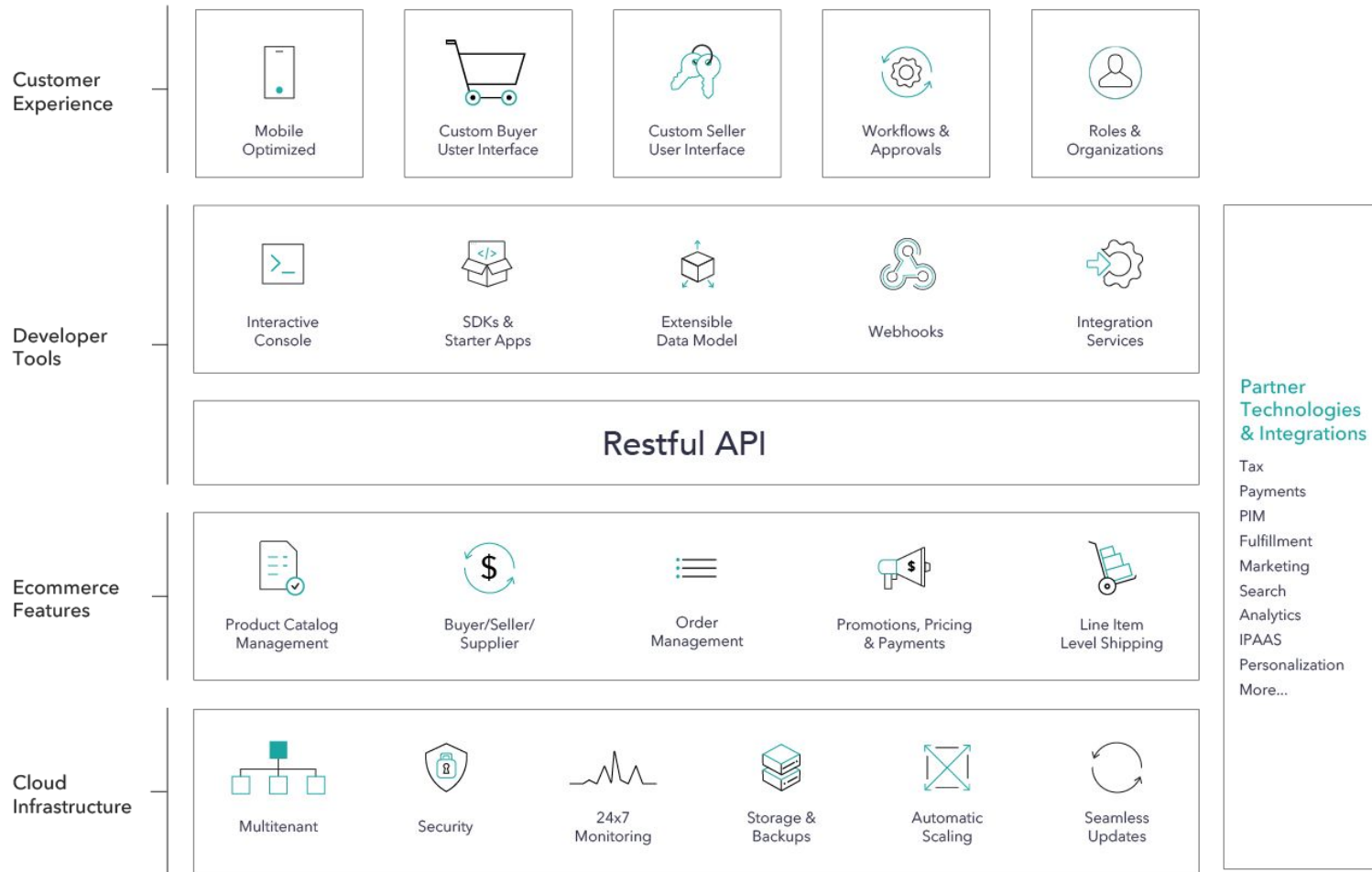
Being built as a B2B first platform has allowed for a very extensible data model and feature set that can satisfy multiple strategies including B2C, B2B marketplaces, and B2X.

MACH stands for **M**icroservices, **A**PI-first, **C**loud-native and **H**eadless. MACH technologies support a composable architecture that allows for best of bread solutions to be deployed based on business needs.

Sitecore Ordercloud Architecture

OrderCloud Platform Architecture

Customer Experience
- Mobile Optimized
- Custom Buyer Uster Interface
- Custom Seller User Interface
- Workflows & Approvals
- Roles & Organizations

Developer Tools
- Interactive Console
- SDKs & Starter Apps
- Extensible Data Model
- Webhooks
- Integration Services

Restful API

Ecommerce Features
- Product Catalog Management
- Buyer/Seller/ Supplier
- Order Management
- Promotions, Pricing & Payments
- Line Item Level Shipping

Cloud Infrastructure
- Multitenant
- Security
- 24x7 Monitoring
- Storage & Backups
- Automatic Scaling
- Seamless Updates

Partner Technologies & Integrations
- Tax
- Payments
- PIM
- Fulfillment
- Marketing
- Search
- Analytics
- IPAAS
- Personalization
- More...

Ordercloud developer tools

OrderCloud also provides a very rich set of developer tools including:

- OrderCloud portal that contains among other things, an interactive API console to interact with the API in a user-friendly interface
- Client side (JavaScript) and server side (.NET C#) SDKs
- Open source .NET core based middleware foundation library
- Open source implementation of Headstart

Ordercloud main features

OrderCloud provides a complete set of core commerce functionality that is exposed through RESTful APIs:

- Product and Catalog management
- Buyer and Seller management
- Order management
- Order fulfillment
- Promotions, pricing and payments
- Search
- User and user group management

Ordercloud cloud infrastrucure

The OrderCloud platform is built on a robust multi-tenant cloud infrastructure running on Microsoft Azure providing:

- Security: OrderCloud is annually audited for SOC 2 Type 2 with HIPAA controls, is compliant with GDPR and CCPA, and facilitates PCI compliance for its platform.
- Scalability, Availability and Performance: Globally distributed infrastructure with automatic scaling to provide high performance and guarantee high availability. Zero downtime deployments to with continuous delivery.
- Monitoring: 24x7 monitoring for performance, reliability and threat detection.
- Redundancy: Geo-redundant backup of all resources and services.
- Seamless updates

Sitecore Ordercloud Learning References

https://documenter.getpostman.com/view/13422742/TVt19jd1 (**OrderCloud API Exercise**)

https://ordercloud.io/learn/getting-started/welcome-to-ordercloud

https://ordercloud.io/developer-tools

https://www.brimit.com/blog/author?authors=Andrei%20Paliakou

https://sitecoredude.com/

https://andrewsutherland.azurewebsites.net/category/commerce/ordercloud/ (many articles about Transitioning from Sitecore Experience Commerce to OrderCloud)

Sitecore Ordercloud Certification

Sitecore OrderCloud Certification Exam is a 40 multiple-choice questions test that you will take via Kryterion Webassessor. The exam features questions testing the fundamental knowledge of Sitecore OrderCloud, such as user, product, and order management.

Other important information:

The multiple-choice questions will test you on all of the Sitecore OrderCloud competencies.

The percentage of total test questions related to each of the seven competencies are as follows:

- Competency 1: OrderCloud Architecture and Conventions - 7.5%
- Competency 2: Integration - 15%
- Competency 3: User Management and Access Control - 17.5%
- Competency 4: Environments - 5%
- Competency 5: Product Management - 22.5%
- Competency 6: Order and Fulfillment Management - 22.5%
- Competency 7: Troubleshooting - 10%

You will have 60 minutes to complete the test.

Your exam session will be proctored.

No notes or additional resources are permitted during the exam session.

SITECORE®

CERTIFICATION

This certificate is to certify that
Vladut Iobagiu

has successfully passed the
Sitecore OrderCloud Certification Exam

April 24, 2023
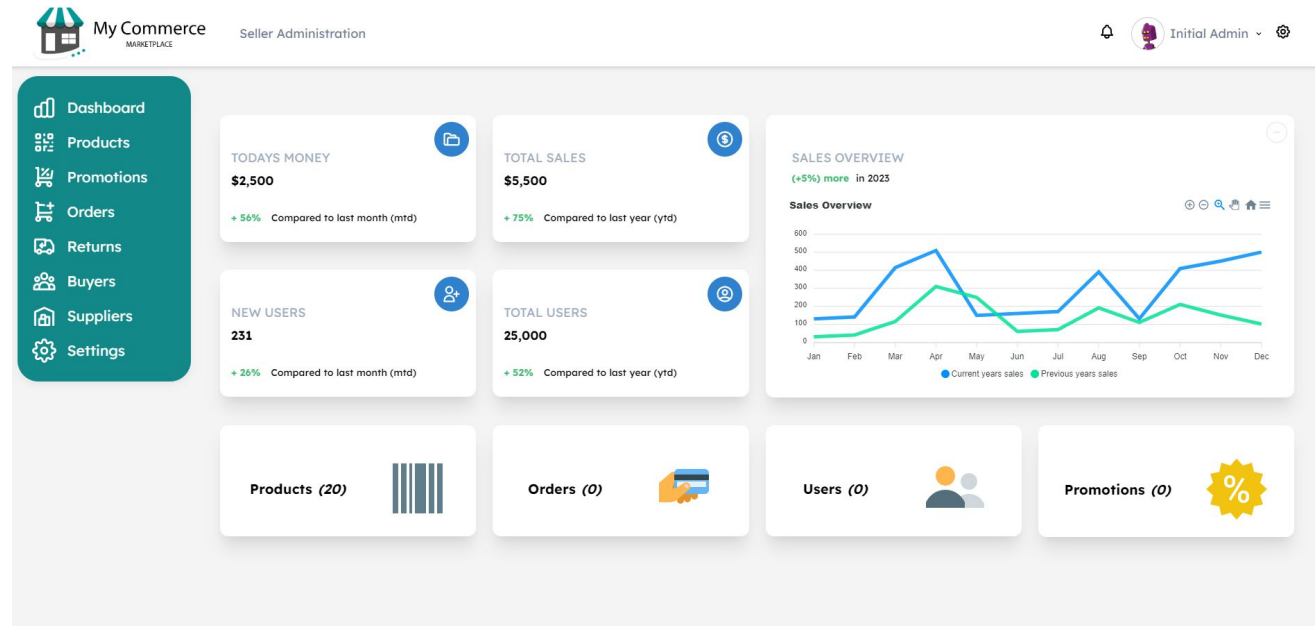DATE   SIGNATURE

Sitecore OrderCloud Headstart

Sitecore OrderCloud Headstart

A simple, powerful and flexible Commerce Seller Application built on top of Sitecore OrderCloud API and the Javascript SDK built with:
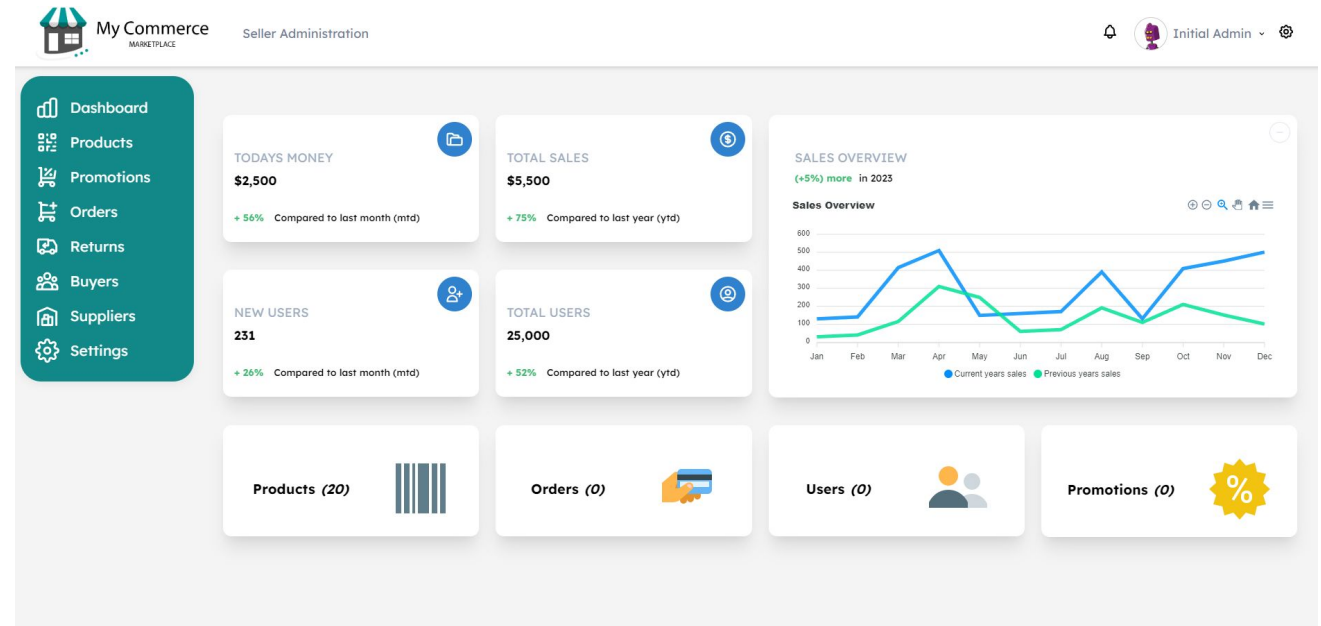
- React
- Next.JS
- Typescript
- Chakra UI
- SEO optimization configured with `next-seo` and `next-sitemap`.

Sitecore OrderCloud Headstart

What you can do with this app?

- Create, read, update delete product catalogs and categories
- Create, read, update delete products with Extended propreties
- Create, read, update delete promotions
- Create, read, update, delete buyers
- Create, read, update, delete user groups and users
- Read, Update Orders

Installing locally

Installation is very simple:

Clone the repository

Update `.env.local` file:

```
NEXT_PUBLIC_APP_NAME='Sitecore Commerce Seller App'

NEXT_PUBLIC_OC_CLIENT_ID='****0BAC-****-4711-B01F-1A**4F7*****'

NEXT_PUBLIC_OC_API_URL='https://sandboxapi.ordercloud.io'

NEXT_PUBLIC_OC_MARKETPLACE_ID='SitecoreCommerce'

NEXT_PUBLIC_OC_MARKETPLACE_NAME='Sitecore Commerce'

NEXT_PUBLIC_OC_USELIVEANALYTICSDATA='false'
```

Run Next.js in development mode

```
npm install

npm run dev
```

Vercel Deployment

Installation is simple, similar to local installation :

Clone the repository

Configure the environment variables

```
NEXT_PUBLIC_APP_NAME='Sitecore Commerce Seller App'

NEXT_PUBLIC_OC_CLIENT_ID='****0BAC-****-4711-B01F-1A**4F7*****'

NEXT_PUBLIC_OC_API_URL='https://sandboxapi.ordercloud.io'

NEXT_PUBLIC_OC_MARKETPLACE_ID='SitecoreCommerce'

NEXT_PUBLIC_OC_MARKETPLACE_NAME='Sitecore Commerce'

NEXT_PUBLIC_OC_USELIVEANALYTICSDATA='false'
```

Deploy to Vercel .

Create Git Repository

To ensure you can easily update your project after deploying it, a Git repository must be created. Every push to that Git repository will be deployed automatically.

Git Scope

○ vlad-iobagiu

Repository Name

Sitecore.Commerce.Headstart.ReactAdmin_MeetupDemo

☑ Create private Git Repository

Create

Configure Project

Please provide values for the required Environment Variables.

> Required Environment Variables

Deploy

Deploy

Preparing Git Repository.