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commercetools

Composable Commerce, Reference Architecture

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Introduction

There's no doubt that headless, microservices-based and cloud-native architecture has changed eCommerce software for good. In the interviews I recorded with the CTO-CTO.com podcast, we discussed these different aspects. For enterprises, after figuring out some key questions, like which infrastructure elements should be developed vs bought and how to choose the right platform, the next step is to usually draft the system architecture.

With monolithic, all-inclusive platforms, the question lies is in the architecture and putting in the right layers (caching, app, database). With API-first and services-based architecture, it's more a question of how to set up your service-mesh and pick the right services. I think this is still a brownfield lacking opinionated reference architecture.

Gartner recently highlighted the importance of so-called composable eCommerce. We've shared some thoughts on this in a recent blogpost.

In this document, I would like to start this discussion and draft the reference architecture for commercetools

deployments. This eBook is not a full overview of all available options, but rather a quick-win; a solid and recommended boilerplate for new projects you're starting on the commercetools platform.

I'm curious about your thoughts, so feel free to comment or contact me directly.



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Divante mission

Divante has a bold ambition: to globally influence eCommerce and to move both the online and offline retail worlds forwards. We achieve this through experimentation and implementing new technologies that others are afraid to adopt.

We build communities around our passion and influence what is coming next. We do this because we believe that better eCommerce technology can help shape and improve the world of the future.

Why Divante?

We give the world the opportunity to get there faster by combining our world-leading products with experimentation using the technologies of tomorrow.

Contact us to talk about implementing new technologies in your digital channels.

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