

HANDOUT

The Spryker PaaS+ Technology



Spryker

The Spryker Cloud Commerce OS is delivered as a Platform-as-a-Service+ (PaaS+) solution - we offer all the benefits of PaaS, but with added services to increase your platform's efficiency. Our PaaS+ technology allows our customers to develop, run and manage their Spryker application without any complexity of building, scaling, and maintaining the infrastructure.

Spryker's PaaS+ delivery allows your business to benefit from inherent flexibility and agility suited for sophisticated transactional use cases in B2B, Unified Commerce, Marketplaces, and B2C.

In addition, our PaaS+ solution offers an excellent product experience, optimal Total Cost of Ownership, and continued support & accountability.

Although PaaS+ offers several services above and beyond a standard cloud, the aim of this document is to highlight the features of Spryker's cloud offering.

Benefits of Spryker Cloud Commerce OS include:

End-to-end Accountability:

The Cloud infrastructure & operations are managed under one, simple contract – simple & easy.

Contact & Support:

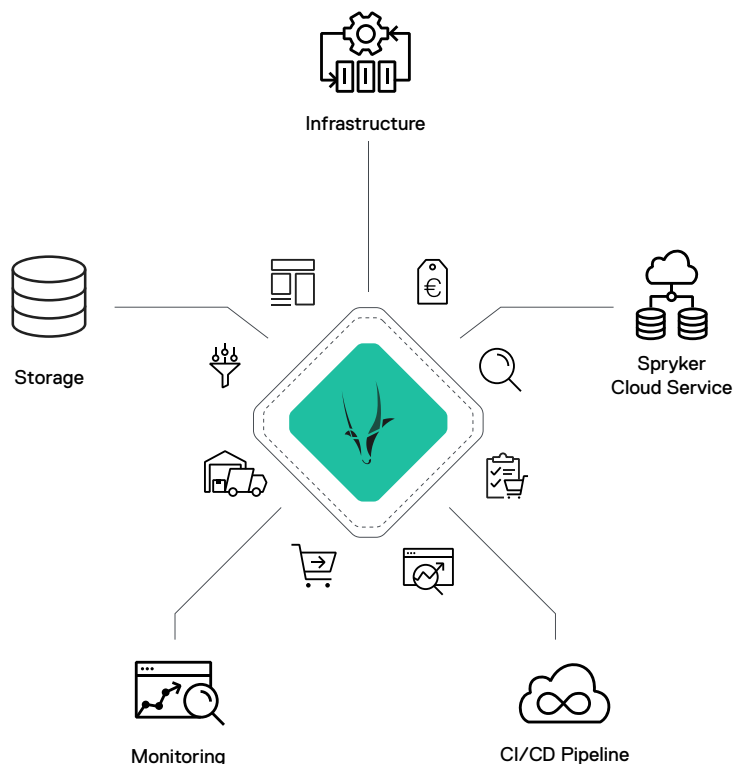
We offer a 24x7x365 contact and support to solve any and all operational problems.

Optimized & Cost-Efficient:

An optimized Total Cost of Ownership with a high Return On Investment.

Best Product Fit:

If there's anything we know best, it's how to manage, operate, and scale the modularity of Spryker's API-based architecture.



Infrastructure

AWS

The Spryker Cloud Commerce OS leverages AWS Infrastructure and managed services. It benefits from the market leader of cloud providers and its broad set of services. AWS offers a scalable and secure foundation to build your e-commerce platform on and respond to fast changes in your business environment.

High Availability

Spryker offers by default 2 availability zones for production environments to ensure a high-availability of our customers transactional commerce applications.

Isolated Environments

Keep your data under control and separated, by using Isolated Environments. Multiple Environments can be set up and used for testing, pre-production verification and production.

Spryker Cloud Service

Spryker Docker SDK

Our Developer Kit provides a standardized and customizable way to bootstrap Spryker applications and adjust cloud infrastructure parameters to your needs and prepare environments.

Elastic Container Infrastructure

Spryker Cloud Commerce OS provides an elastic container service to run all Spryker applications and services. The elastic container infrastructure consists of Load Balancers, Container Registry and Compute Instances in an auto-scaling mode.

Database, Queue and Search Services

The database services scale on demand and provide fully managed MariaDB (RDS) and Redis databases. Spryker provides fully managed and redundant RabbitMQ queue and ElasticSearch services.

CDN

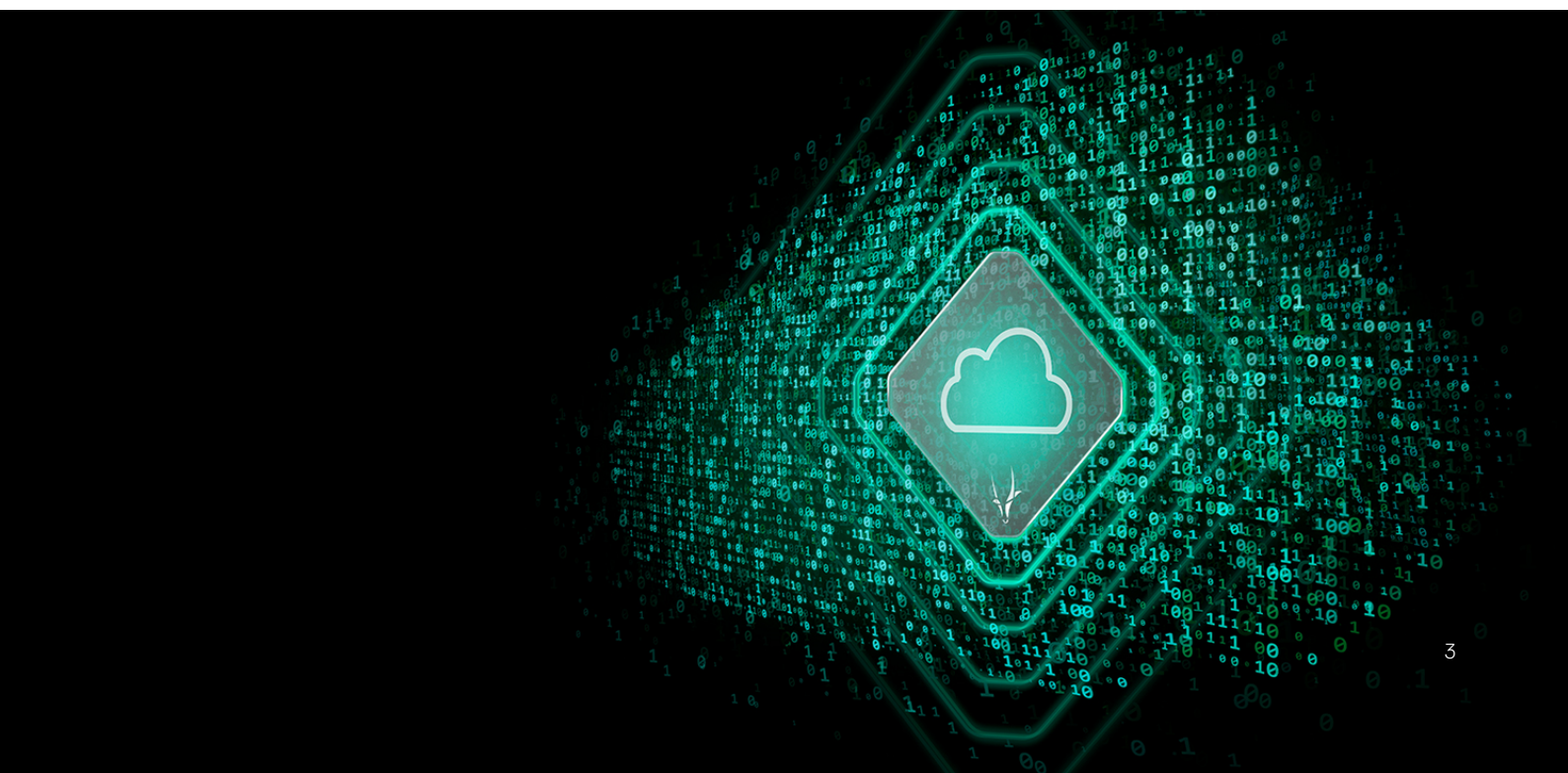
Pre-integrated AWS Cloudfront allows you to easily deliver static assets like files, images and videos with high-speed worldwide.

DNS and Certificates Services

We provide a fully managed DNS & Certificates Service to coordinate and manage data routes. Auto-generate or renew certificates for all test and production environments with the built-in certificate service to generate and use all needed SSL certificates.

Storage Service

Fully managed and redundant flexible Storage Services allow you to manage assets and process data from your transactional applications or 3rd-party services.



CI/CD Pipeline

Code Deployment Pipeline

Use pre-integrated CD pipelines to deploy your code to the Spryker Cloud Commerce OS. Our separate pipelines per environment allow for extensive tests and updates of test and production environments.

Code Repository Connect

Our CD pipeline is by default compatible with the major source code repository services such as GitHub or Bitbucket. In special cases the Spryker Cloud Commerce OS comes also with a bridging solution to connect proprietary platforms.

Spryker QA Tooling Suite

The Spryker QA Suite consists of SDKs, Spryker architecture- and code sniffers as well as code generators. Compatible and ready to use in your CI pipeline.

Monitoring

Monitoring and Logging

All environments, Applications and Services, are monitored by an out-of-the-box integrated Cloud infrastructure monitoring.

E-Mail and Notification Service

We are offering an integrated E-Mail and notification service that is configured and available for internal usage, like notifications about resource consumptions and exceeding predefined limits.

Storage

Web Application Firewall

A pre-integrated and fully managed Web Application firewall per environment is configured.

Encryption

Both data at rest and data in circulation are encrypted according to industry standards.

Backups & Restore

Spryker provides automated and encrypted backups every hour with a retention time of four weeks that are configured by default. Rollback procedures for database and/or applications allow both application and data to be restored.

Secrets Management

Built-in fully managed secrets manager and key management service, provided by AWS.

VPN Services

VPN and site-to-site VPN services can be configured when needed. The VPN service is used to connect and check environments and specific applications when required. The site-to-site VPN service is a permanent connection that can be established to connect the Cloud environment with the customer's network. This can be used for data exchange or live communication between back-end systems.

Bastions Host

A fully managed, single entry point to Spryker Cloud Commerce OS per region.

Image Scanning

Automatic scanning of application images for known software vulnerabilities, bugs, and security of the application images that are being deployed. Reports and notifications are available for further analysis and required code fixes.



About Spryker

Spryker Systems GmbH is a privately held technology company headquartered in Berlin, Germany and New York, USA. Founded in 2014, Spryker enables companies to build sophisticated transactional business models in unified commerce including B2B, B2C, and Enterprise Marketplaces. Spryker is the most modern, fully composable platform-as-a-service (PaaS) solution with headless & API-based architecture that is cloud and enterprise-ready and loved by developers and business users worldwide. Spryker customers extend their sales reach and grow revenue with a system that allows them to increase operational efficiency, lower the total cost of ownership, expand to new markets and business models faster than ever before: Spryker solutions have empowered 150+ companies to manage transactions in more than 200 countries worldwide and is trusted by brands such as Aldi, Siemens, Hilti, and Ricoh. Gartner® recognized Spryker as a Visionary in the 2021 Magic Quadrant™ for Digital Commerce, just one year after it first appeared (2020), and has also been named as a major player in B2B e-Commerce by IDC. Finally, it is the only commerce platform to provide full B2B, B2C, D2C, and Marketplace capabilities out of one stack. Find out more at spryker.com



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