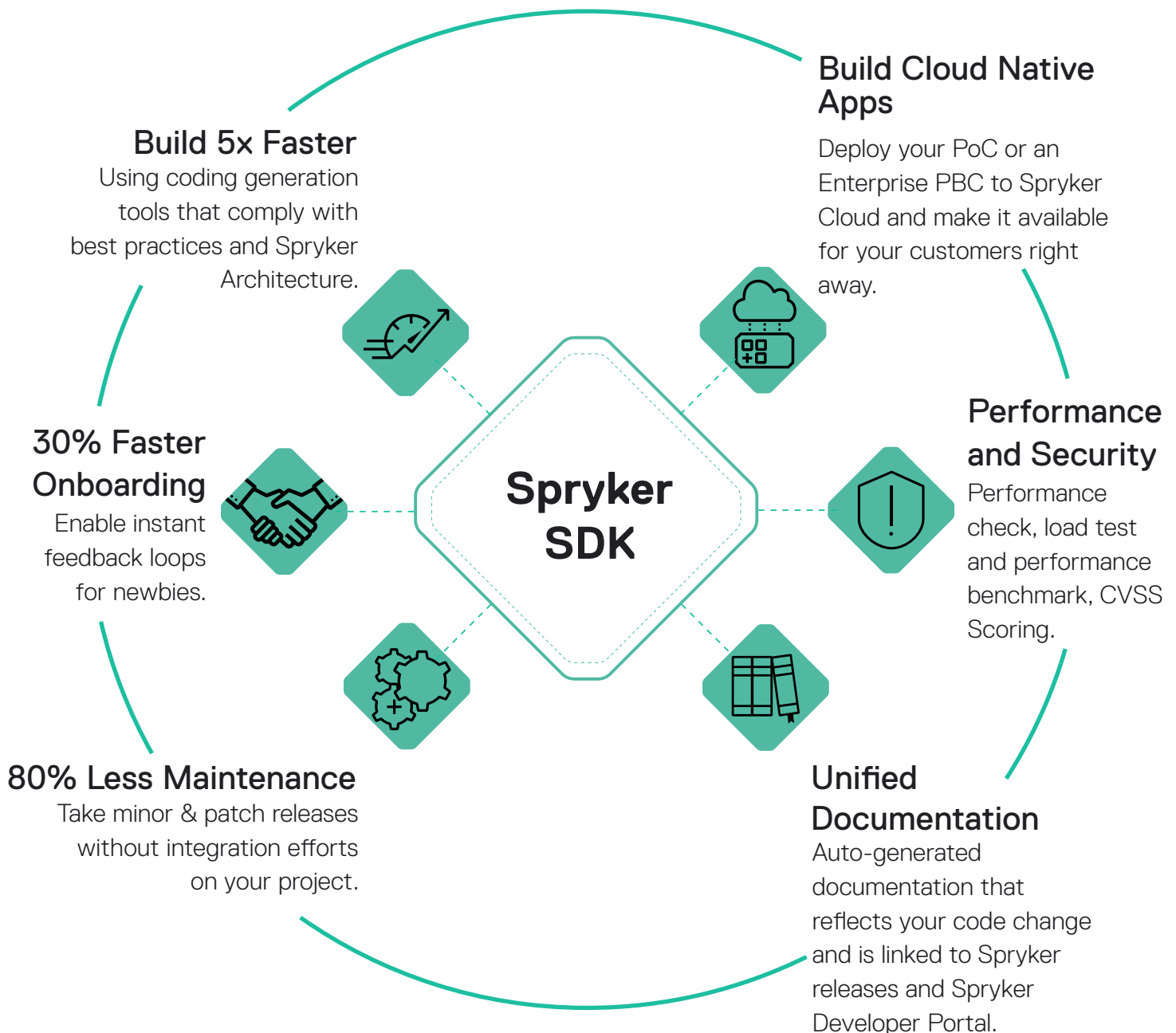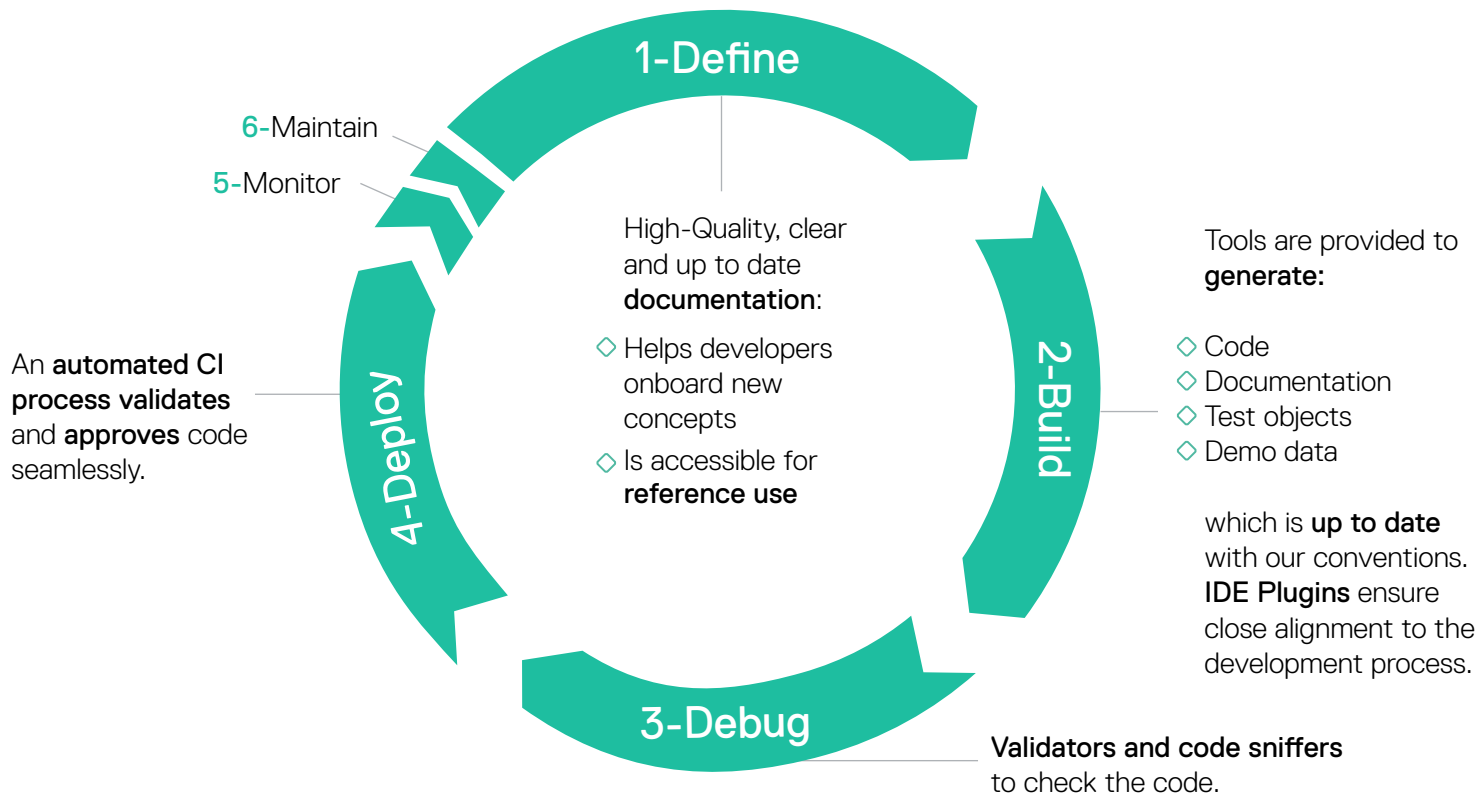# Spryker SDK
Our Tool Kit for Development Success

The **Spryker Software Development Kit (SDK)** creates a reliable foundation for your Operating System (OS) and ensures security and high performance. Your developers have access to a collection of **coding tools** that help them validate their code while working. The Spryker Cloud Commerce OS also offers **production and staging deployment solutions** for several different cloud platforms.

Build 5x Faster
Using coding generation tools that comply with best practices and Spryker Architecture.

Build Cloud Native Apps
Deploy your PoC or an Enterprise PBC to Spryker Cloud and make it available for your customers right away.

30% Faster Onboarding
Enable instant feedback loops for newbies.

Performance and Security
Performance check, load test and performance benchmark, CVSS Scoring.

80% Less Maintenance
Take minor & patch releases without integration efforts on your project.

Unified Documentation
Auto-generated documentation that reflects your code change and is linked to Spryker releases and Spryker Developer Portal.

Spryker SDK

The Spryker SDK Workflow

The **Spryker SDK Workflow** provides a **unified Developer Experiences (DX)** and **guides** developers through development phases. Spryker provides the needed tools to increase productivity in every step of the process. Following our workflow ensures high-quality code and enables your OS to be compatible with every future service offering of Spryker.

1-Define

6-Maintain

5-Monitor

4-Deploy

2-Build

3-Debug

High-Quality, clear and up to date **documentation**:

◇ Helps developers onboard new concepts

◇ Is accessible for **reference use**

An **automated CI process validates** and **approves** code seamlessly.

Tools are provided to **generate**:

◇ Code
◇ Documentation
◇ Test objects
◇ Demo data

which is **up to date** with our conventions. **IDE Plugins** ensure close alignment to the development process.

Validators and code sniffers to check the code.

Our Value Proposition

60% Platform TCO Reduction

Achieve a healthy **Total Cost of Ownership (TCO)** by reducing time invested in building new functionalities, its maintenance (Security and Bug Fixes) and Upgrades.

20% Reduction in Developer Onboarding

Enable instant feedback cycles to the code built by a developer instead of crawling over hundreds of architectural conventions and best practices in documentation, or having expensive Tech Lead spend hours reviewing code.

Instant Compatibility with PaaS+ & AOP

By building using our SDK tools and following our workflow, your code will be 100% compliant with the Spryker coding standards, guaranteeing access to PaaS+ and the App Orchestration Platform (AOP).