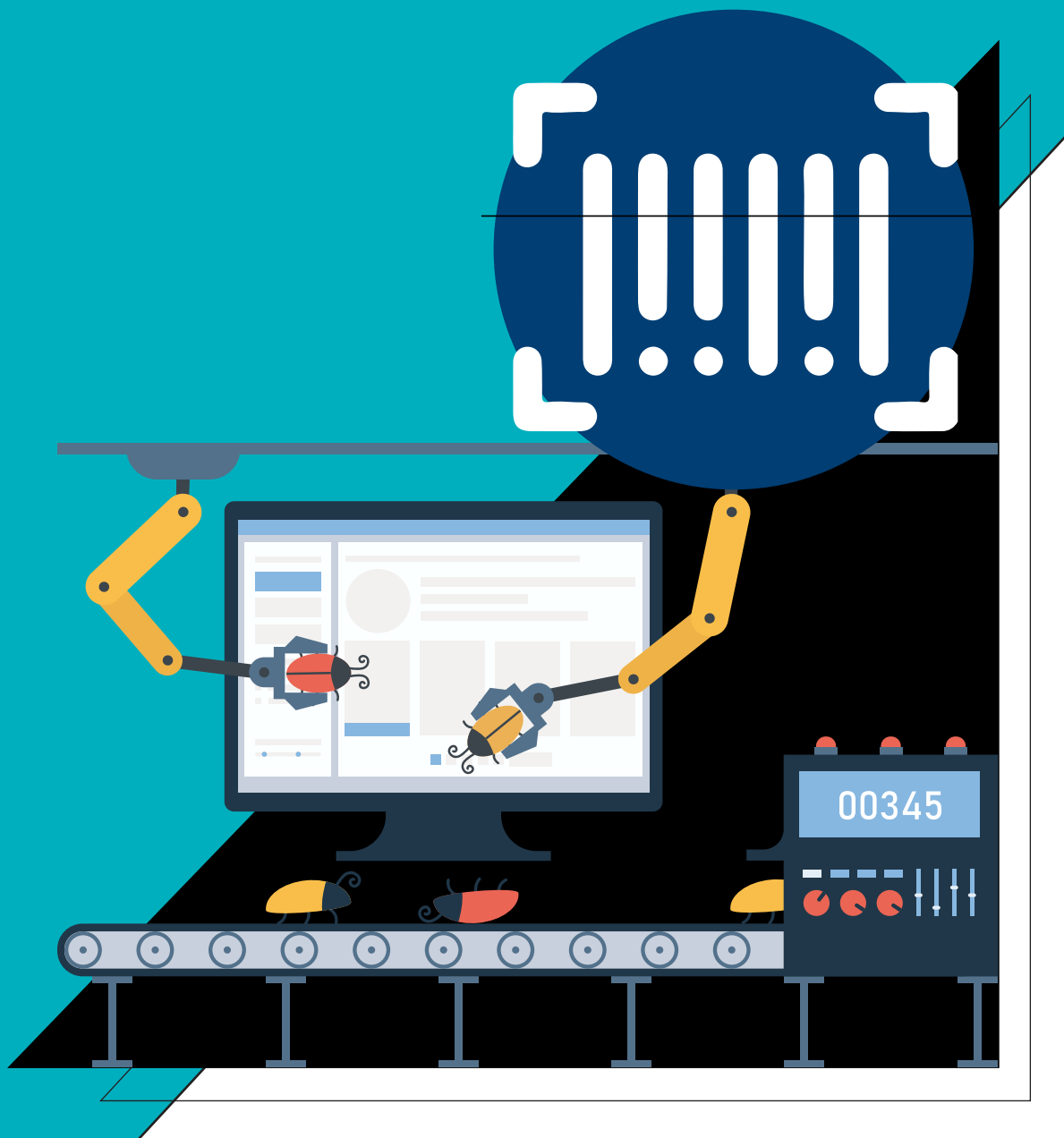
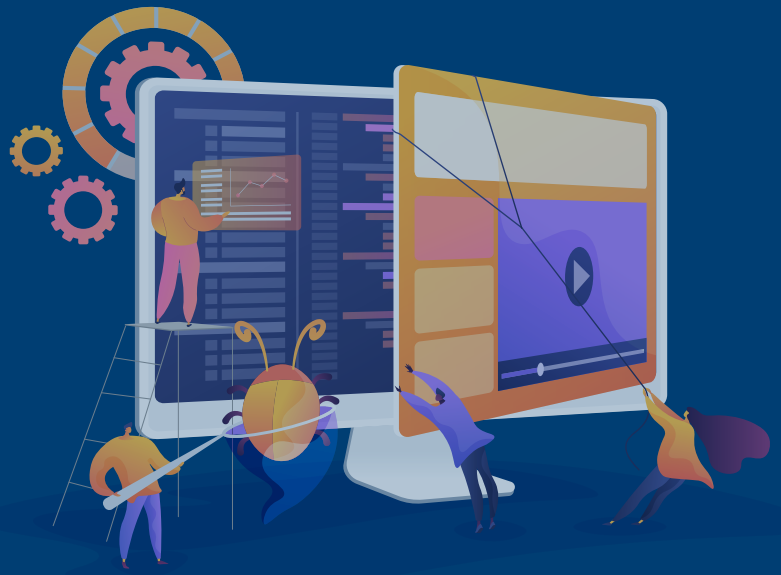


HCL's ADvantage™ Pega Code Scanner

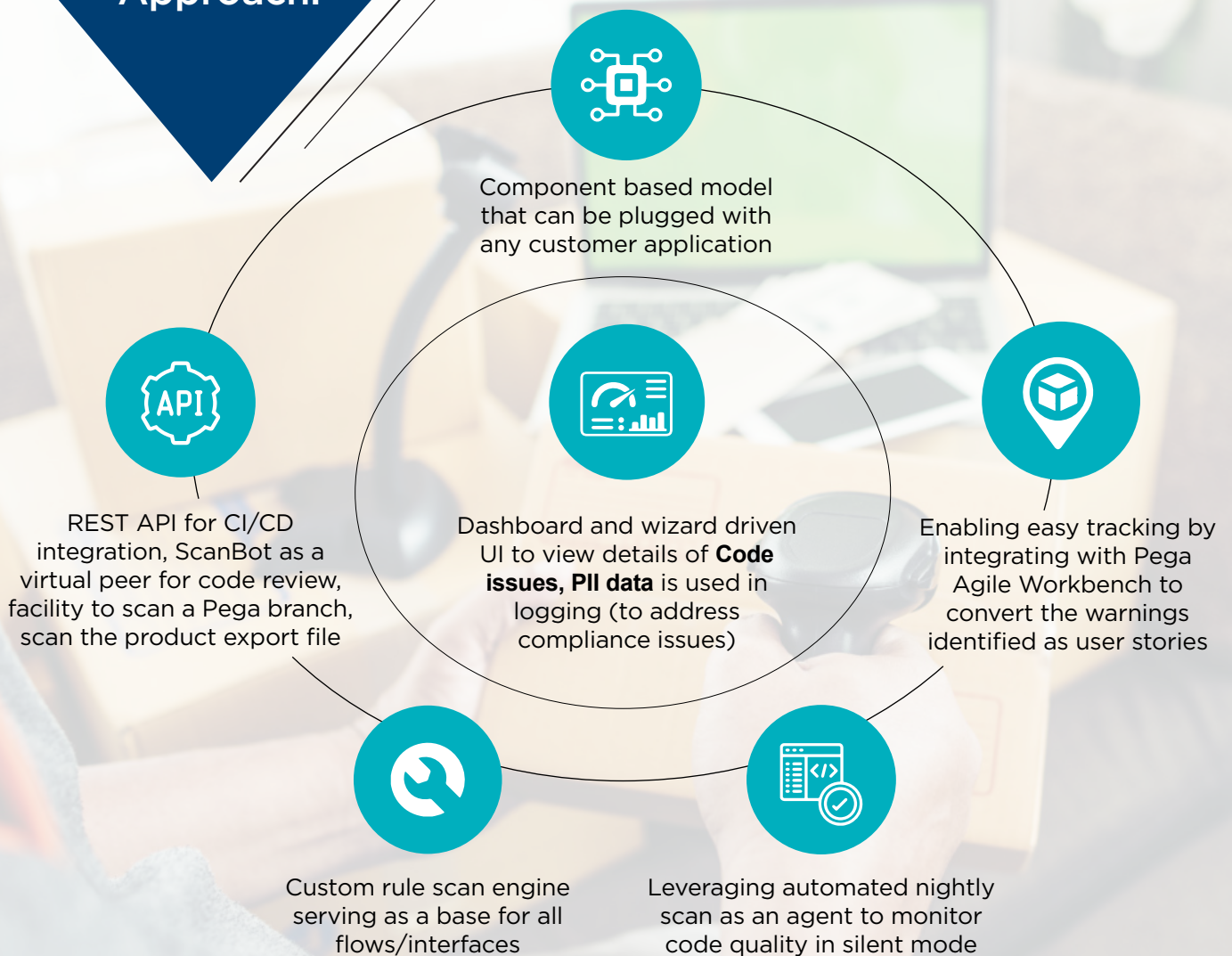
Enhancing Developer Experience (DevEx)
and Clean Code Strategy



The Code Scanner under HCL's ADvantage™ Pega suite, focuses on performing design, security, and consistent analysis for Pega. This improves Pega code quality and provide substantial improvements on productivity in the development code review effort. It automatically reviews the Pega code base against the pre-defined client-specific best practices and displays the rules being violated along with a Code Quality Scorecard. The tool encompasses over 50 additional in-built best practices based on delivery experiences and common coding best practices complementing the Pega suite Guardrails. Code Scanner is built as a highly malleable and independent component and easily fits in any functional area or industry domain.



Solution Approach:



Key Features:



Automated scaffolding to enable developers to focus on the business functions implementations

Codified best practices replacing just documentation



Scans for rules with security vulnerabilities

Development best practices embedded into scaffolding



Seamless integration with CI/CD pipeline

ScanBot (IVA powered) feature for developer self-help assistance for code quality validation



On demand security scans and PII data scans in the log statements

Configurable list of rule types, limits, email ID, PII data properties and warning messages



Easy configurable design for incorporating additional customer-specific custom warnings

Exhaustive report generation of custom warnings with rule name, step, and details of the warning etc



Available formats:



Code Scanner as a BOT



Code Scanner as a Service



Code Scanner as an Agent







Code Scanner as a Wizard

Audience/Users :

		
Developers	Lead System Architect	Technical Managers
		
Scrum Masters	Center of Excellence Team	DevSecOps Engineer

Re-Usable and Extendable :

	Easy plug-in for different clients (On premise and cloud)		Easy integration with any CI/CD pipeline for quality check as per desired guard rail score
	Customizable and extendable		Consistent quality checks irrespective of the interface - UI/ScanBot /REST API/PRPC Agent

Business Benefits

1 Ease of usage, maintenance, and configuration	2 Enable developers to focus on solving business problems	3 Improved consistency and standardization across development teams
4 Improved developer experience and reduce Code-Smells	5 Model-driven automated code validation for scaffolding components	6 Propagate knowledge, experience, and best practices across projects
7 Improve Developer Experience [DevEx] and reduce Code-Smells	8 Reduce implementation timelines	9 Speed up time-to-market
10 Improve code quality	11 Reduce testing effort and additional operational cost	12 Reduce technical debt inheritance

[Know more](#)



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As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on December 31, 2020, HCL has a consolidated revenue of US\$ 10 billion and its 159,682 ideapreneurs operate out of 50 countries. For more information, visit www.hcltech.com



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