

HANASmart™ for SAP

Achieve a cleaner SAP S/4HANA
digital core



Reduce custom code adaptation by 25 to 55% during your move to SAP S/4HANA

Like most SAP clients, it's likely that you don't use more than 50% of your current customizations – so why would you pay 25–55% more in effort and cost to move this code to SAP S/4HANA?

Your decision to move to SAP S/4HANA was likely driven by a need for agility, scalability and the competitive advantages of adopting a clean digital core. Yet your existing code customizations were designed for the old SAP infrastructure – not to leverage new SAP technologies or the microservices architecture made possible by Cloud PaaS.

Retaining all of this custom code will increase the cost of your conversion – and future upgrade costs.



How HCLTech's HANASmart™ helps enable the intelligent enterprise

Our proprietary Blu-Thinking® framework leverages HANASmart™ to handle the migration of custom objects to SAP S/4HANA. Our Blu-Thinking® framework seeks to preserve the digital core by keeping only those objects that add business value and then architecting them per SAP best practices.

The Blu-Thinking® approach is applicable to both Greenfield (re-implementation) and Brownfield (technical conversion) scenarios.

Save with custom code disposition and benchmarking

We designed HANASmart™ to help clients save on their ECC to SAP S/4HANA conversions through custom code remediation – a process that also helps drive long-term savings on future upgrade costs.

HCLTech's HANASmart™ toolset and associated framework benchmarks your custom codebase against peers and obtains a disposition of custom objects. To help you achieve a clean digital core, it also identifies which objects can be simplified as in-app extensions on SAP S/4HANA or redesigned as cloud extensions.

How it works

HANASmart™ measures your code complexity, volatility, performance, usage and its tightly coupled nature to the SAP core. It then organizes your custom code into the following categories by process area – retain, retire and redesign. This analysis also provides the data you need to understand the true impact of SAP S/4HANA's simplified data model on the custom code by removing false positives and identifying the impacted, executable RICEFW objects for testing.

HANASmart™ can be deployed at any point during your SAP S/4HANA journey – whether your move to SAP S/4HANA is just in the planning stages, or you have already started your project.

What it delivers

SAP S/4HANA adaptation analysis and estimation –

Identifies adaptations required for SAP S/4HANA's simplified data model, relevant test cases and effort estimation for code remediation and testing. Adheres to SAP S/4HANA cloud extended edition coding guidelines

Custom object disposition

across process areas (retire, retain and refactor) and in-app vs cloud extensions

Detailed analysis of custom objects (RICEFWs)

– Inventory, usage, performance, complexity and volatility

Custom code benchmarking

Simplified reporting

– Through intuitive and configurable dashboards



HANASmart™ – Custom object disposition framework

Attributes of custom objects		
Total cost of ownership	Tightly coupled with core	Move complexity to cloud platform
Performance	Standard SAP objects and tables used	UI requirements
Complexity	Security objects used	Custom objects and tables used
Volatility	Form output	Data volume exchange
	User exit	Usage
	Bolt-on or integration component	

Disposition

Step 1 - Retain vs Redesign vs Retire

High Cost of ownership Low				★	5
				4	
			3		
		2			
	1				
	Low	Usage			High

Orange ~ Reds = Refactor / Redesign

Yellow ~ Pink = Retain

Greens = Retire / Adopt standard

Move complexity

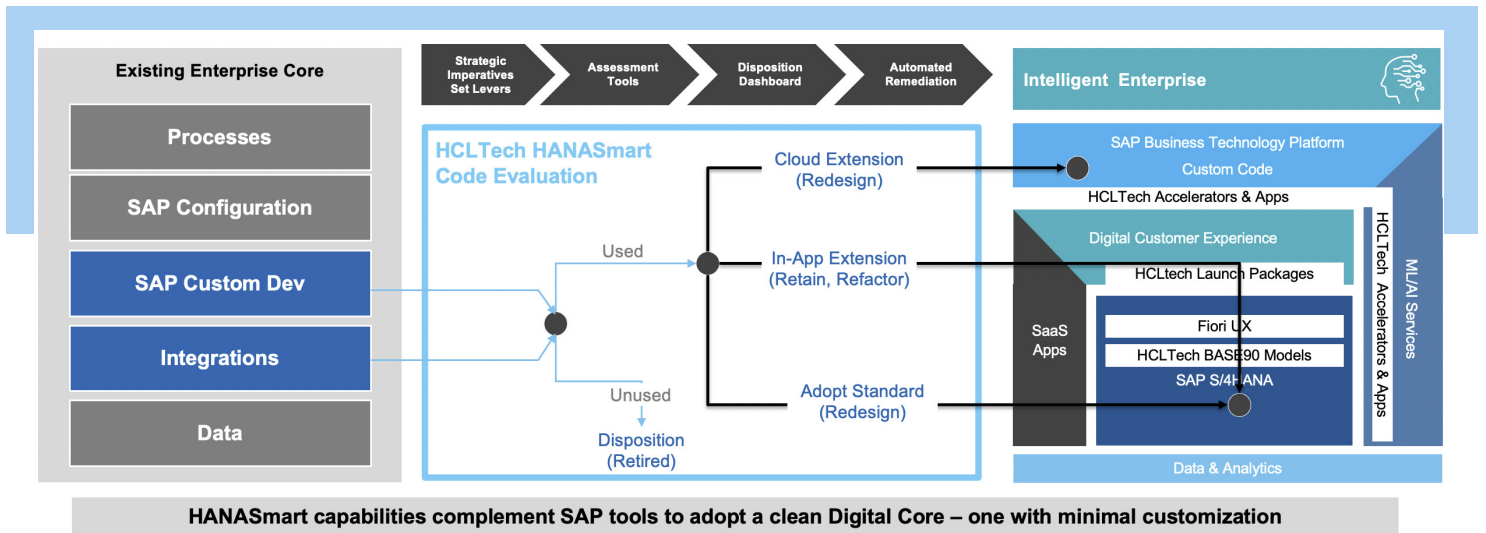
Step 2 - Cloud platform extension vs In-app extension

High Cost of ownership Low				★	5
				4	
			3		
		2			
	1				
	Low	Usage			High

Orange ~ Reds = In-app extensions

Yellow ~ Pink = Redesign / Refactor as part of move to cloud

Greens = Cloud extensions



HANASmart™ capabilities complement SAP tools to adopt a clean Digital core – with minimal customization

HCLTech tools

- Code disposition based on usage, Total Cost of Ownership (TCO), tightly-coupled nature and move complexity to cloud
- Automatic adaptation of custom code for certain findings for HANA database

SAP tools

- Custom code quality and fitment for HANA database
- Custom code usage and performance measurement
- Relevance of simplification items against custom code

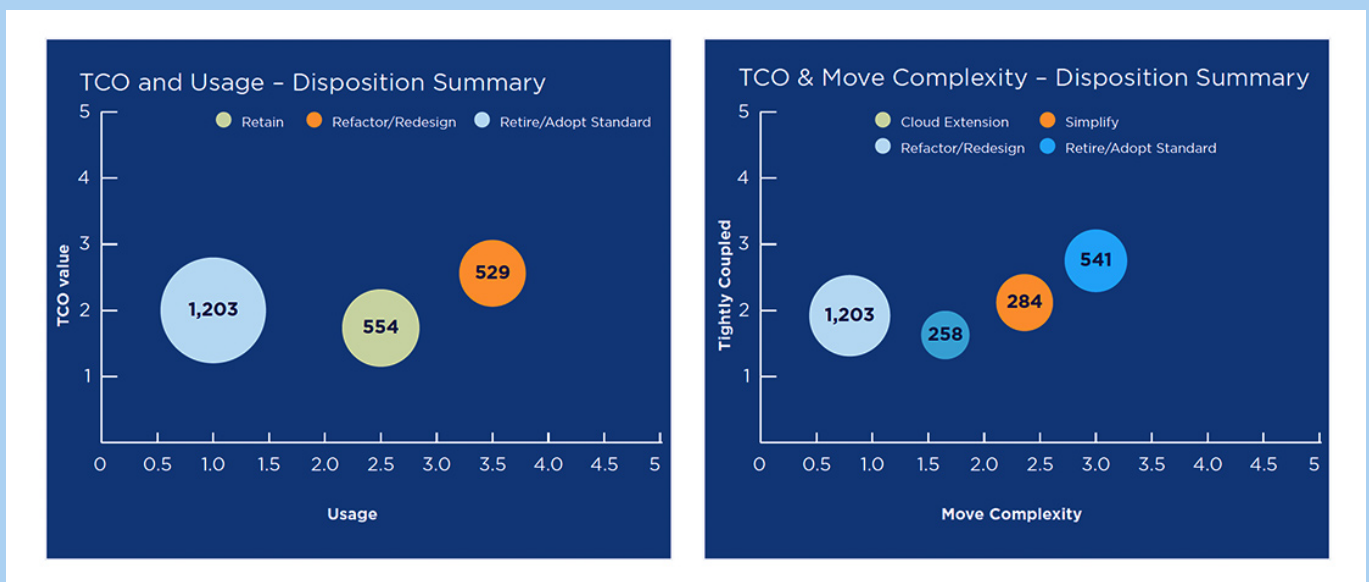
Timelines

Phase	Activities	Duration
Prep	Tool installation	2 weeks
	Record usage and performance logs	
	Tool execution	
	Extract output and enable dashboards	
Analyze	Discovery sessions – Present initial tool output	3 weeks
	Code disposition analysis	
Recommend	Present final report with benchmarks and recommendations	2 weeks

Pre-Requisites

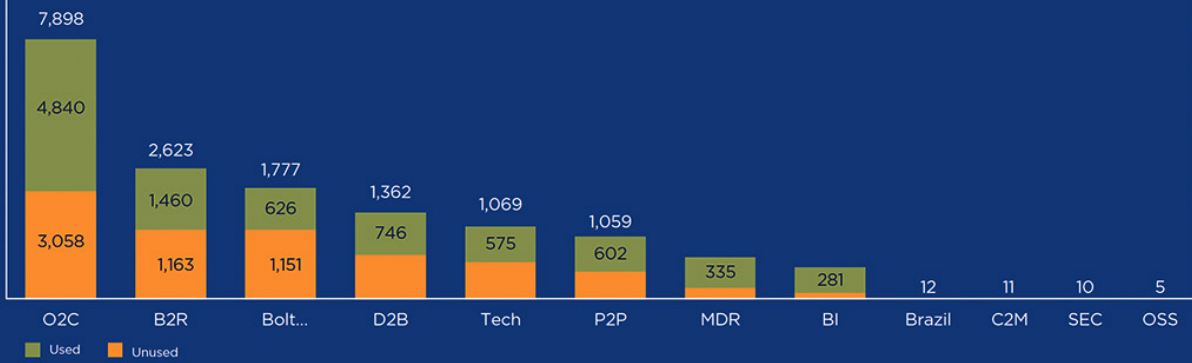
- 1) Checked system – SAP NetWeaver (SAP_BASIS) 7.40 AS ABAP
- 2) Evaluation system (for SAP S/4HANA simplification analysis) – SAP NetWeaver (SAP_BASIS) 7.52 (HCLTech Labs system can be used)

Example – HANASmart™ analysis



Inventory Analysis by Process Area

7 Filters | Explorer Available



About HCLTech's SAP Practice

To get the best return on your digital investments, you need a partner that doesn't just do SAP right, but does it better. Our SAP practice works seamlessly with HCLTech's digital consulting, engineering services, IoT WoRKS™ and cloud infrastructure practices to design, implement and support tomorrow's integrated, intelligent solutions today. An SAP Global Strategic Services Partner, our team of 12,500+ consultants leverages insights, advanced accelerators and industry-acclaimed frameworks to deliver award-winning services from local offices across Europe, Africa, Asia and the Americas.

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