## **SmartShift**

Intelligent Automation for SAP Transformations

How Automation De-Risks Custom Code Modernization: ASUG Research, Solutions, & Real-World Results

#### About Me

#### **Caitlin Christopher**

Account Executive

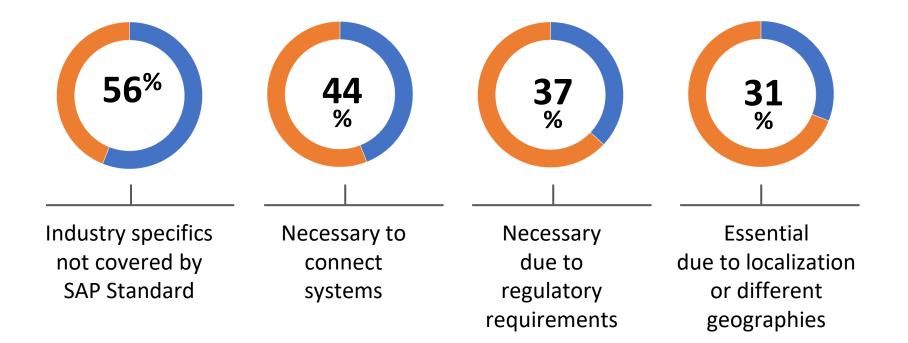
CChristopher@smartshift.com 770-861-0000



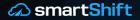
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#### **Custom Code is Needed**

**ASUG Research Findings** 

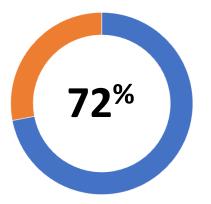


Source: smartShift/ASUG Market Research



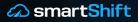
#### **Custom Code Remains Critical**

As customers upgrade their SAP systems, they'll need to remediate and transform their custom code



The majority of survey participants plan to retain their custom code as they proceed with upgrading to S/4HANA and beyond

Q. As your organization moves forward with SAP S/4HANA or other SAP system upgrades, how will your organization's custom code be handled? (Please select all that apply.) (n=177)



#### **Custom Code Presents Challenges for Modernization**





Barrier to upgrading/ migrating to a new SAP offering **58%**  Difficulty finding expertise to maintain/enhance custom code

Source: smartShift/ASUG Market Research



#### **Automation Offers Modernization Options**



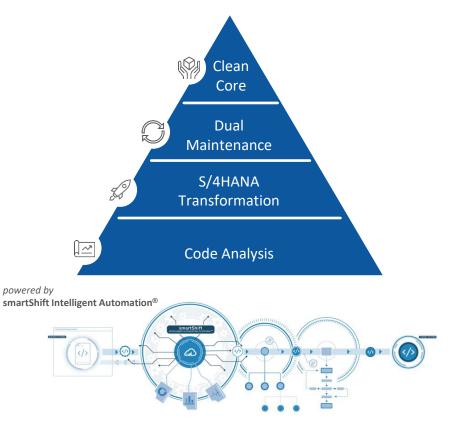
Accelerate the transformation process by minimizing the need for manual remediation Enhance the overall quality, security, and stability of the transformed code Eliminate the need for business disruption Modernize the system to be more flexible, scalable, and agile



- The only Intelligent Automation for SAP Custom Code Transformations
- 11 Patents 10+ years of SAP ABAP Research & Development
- 1000+ Successful SAP Transformation Projects
- 2.5+ Billion lines of Code Remediated with <0.01% Code Transformation Error Rates



At smartShift, we develop and deliver automated solutions to accelerate business growth and de-risk the transformation of SAP custom code and applications.

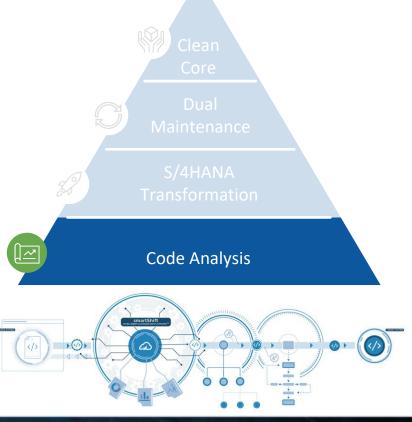


## **Custom Code Analysis**

De-risk with data-driven planning. Know all changes for S/4 upfront & plan with confidence.



powered by smartShift Intelligent Automation<sup>®</sup>





## **Custom Code Transformation**

Ruleset Summary

not\_found = 4

FREE gt\_fagl\_bseg\_tmp.

eq = qt faql bseq tmp[ 1 ].

sy-subrc = 0 AND gt\_fagl\_bseg\_tmp IS NOT INITIAL.

others = 4.

Comprehensive transformation. Guaranteed quality - 1,000X better than manual approach.

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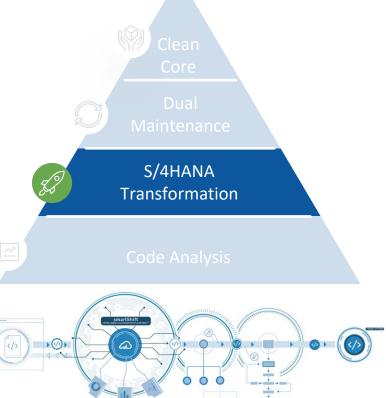
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Cog Scale

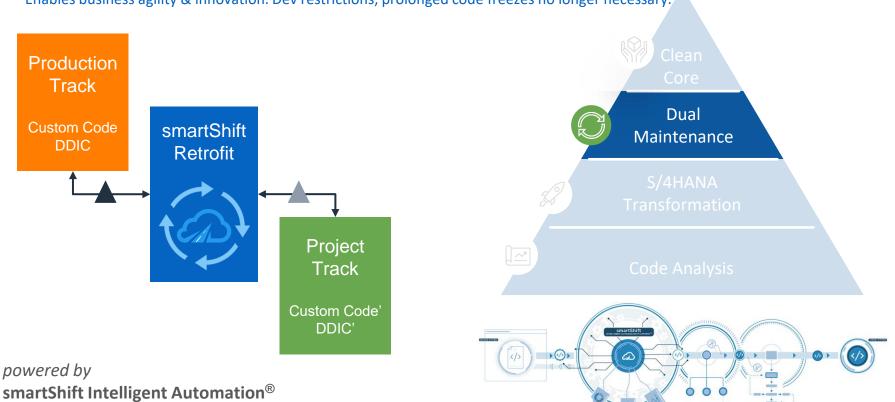
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Rule Set	All Objects	Used Objects
ABAP Cloud	28,082	17,906
ABAP Modernization	141,579	94,824
HANA Compatibility	2,463	1,757
HANA Performance	6,910	4,577
Internal	2,635	1,805
Performance	25,035	17,291
S/4HANA Compatibility	1,366	912
Security	4,780	2,974
Unicode	2,023	1,947
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	FROM bseg WHERE bukrs AND beln AND gjahr AND buzes	= '2' = '3'

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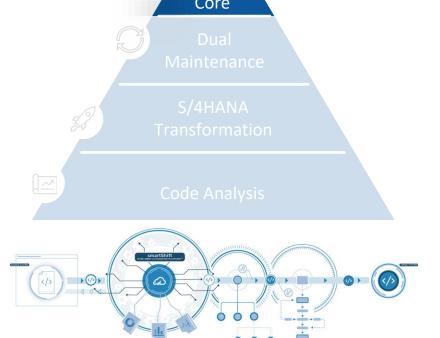
#### Automated Dual Maintenance Enables business agility & innovation. Dev restrictions, prolonged code freezes no longer necessary.



#### **Clean Core Assessment**

Informed feasibility, design, approach, and planning for application modernization. Clean **Cloud Readiness** Core **Cloud Ready** Candidates that are eligible for **Development as Custom Enhancement** Candidates that are Development using RAP/CAP Eligible for S/4HANA Cloud Deployment in BTP /Steampunk Eligible for in-app extension . Integratable to 3rd party Cloud apps Side-by-Side In-app Extensions Extensions Loosely coupled **Tightly coupled** (Hybrid) Candidates that are Cloud-Ready Not eligible for BTP Extensions Classical Extensions Classical Classical Candidates that are required to be 0 Core Modifications Enhancements Extensions Development as Custom Enhancement Core Plug-Ins 0 . Can not be moved to RAP/Fiori Specific Industry Solutions 0 Deployed On-Stack to support BTP integration . 3rd party plug-ins (Legacy-Non-S/4) . **On-Stack** 

powered by smartShift Intelligent Automation<sup>®</sup>



## smartShift Overview - Global Customers



#### smartShift Advantage

"smartShift works at industrial scale with virtually no errors. The defect rate is so low because they have automated everything and reduced the human touch as much as possible."

#### **Dilip Kumar**

Global Supply Chain Platform Architect, Procter & Gamble



# **Next Steps**

Test drive our analysis capabilities

A free custom code health check to gain insight into your SAP modernization roadmap





