

Low-Code/No-Code Application Development

with SAP AppGyver &
SAP Business Application Studio

**Boost Development Productivity
and Unleash Innovation**

SAP
October 2022
Marc Huber –
BTP SAP Application Development PM

Public

Critical Digitalization Challenges

Organizations Struggle to Innovate at the Speed the Business Demands



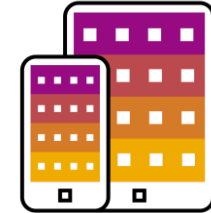
Rapidly evolving customer requirements accelerating demand for cloud solutions

“The pandemic is accelerating cloud demand, with 59% of enterprises expecting cloud use to exceed plans due to COVID-19.”¹



Limited development resources, inhibiting digitalization

“Lack of skills was cited as the number-one challenge in a recent Gartner Research Circle survey, and CIOs identified the ‘lack of skills and resources’ as the biggest barrier to success.”²



Complex IT landscapes, with a growing number of applications maintained by companies

Large companies maintain 129 different applications on average, with the total number increasing by 68% since 2015.³

1. “Maximizing the Impact of Technology Investments in the New Normal,” CIO Insider, Deloitte, 03 February, 2021, Khalid Kark, Jagjeet, Gill, and Tim Smith.

2. “Forecast Analysis: Low-Code Development Technologies,” 22 January 2021, Fabrizio Biscotti, Paul Vincent, Jason Wong, Laurie Wurster. GARTNER is the trademark and service mark of Gartner Inc., and/or its affiliates and has been used herein with permission. All rights reserved.

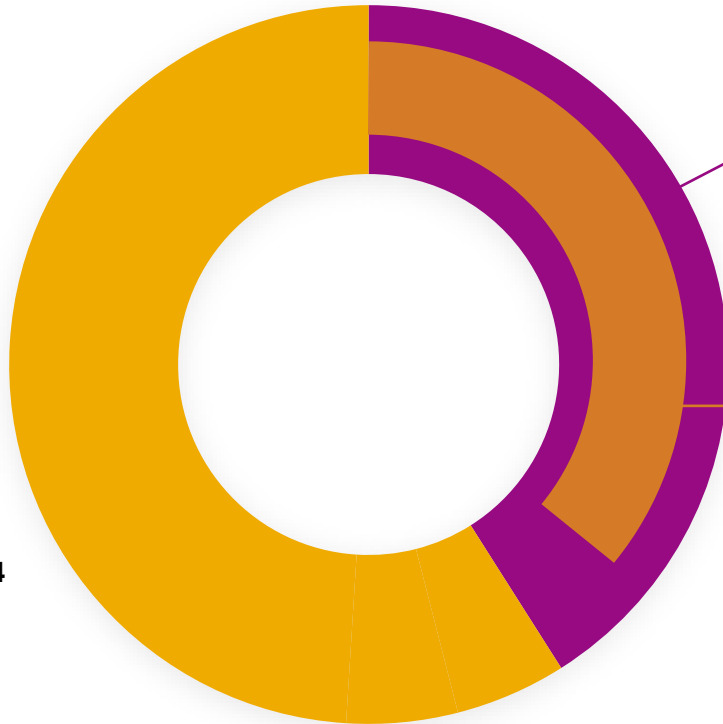
3. “Employees Are Accessing More and More Business Apps, Study Finds,” The Wall Street Journal, 07 February, 2019, Angus Loten.

Low-Code/No-Code Unleashes Untapped Workforce in Companies

Enabling Citizen Development in Organizations to Increase Business Resilience

IT Technologists⁴

Gartner®, 2021



“In the 2021 Gartner Reimagining Technology Work Survey, respondents indicated that — on average — **business technologists** make up **41%** of their organization’s workforce.”⁴

Gartner®, 2021

“About **80%** of these users are **citizen technologists** who create technology output as part of (or in addition to) their full-time roles (...). These non-IT personas can independently use **low-code and no-code** technologies to improve business efficiency, efficacy and agility.”⁴

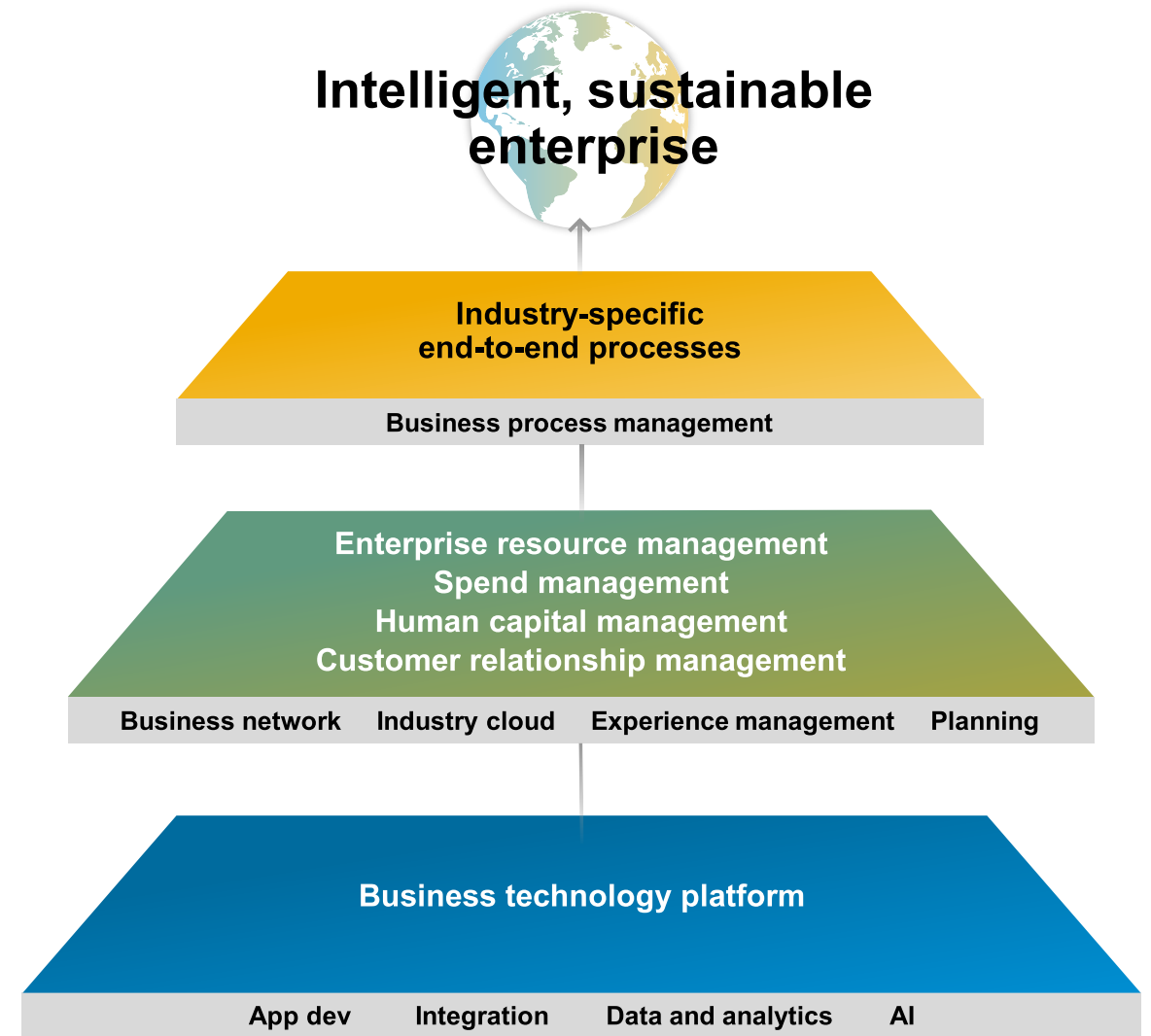
Gartner®, 2021



Low-Code/No-Code increases the number of people in an organization that can deliver new apps and extensions and tackle business challenges

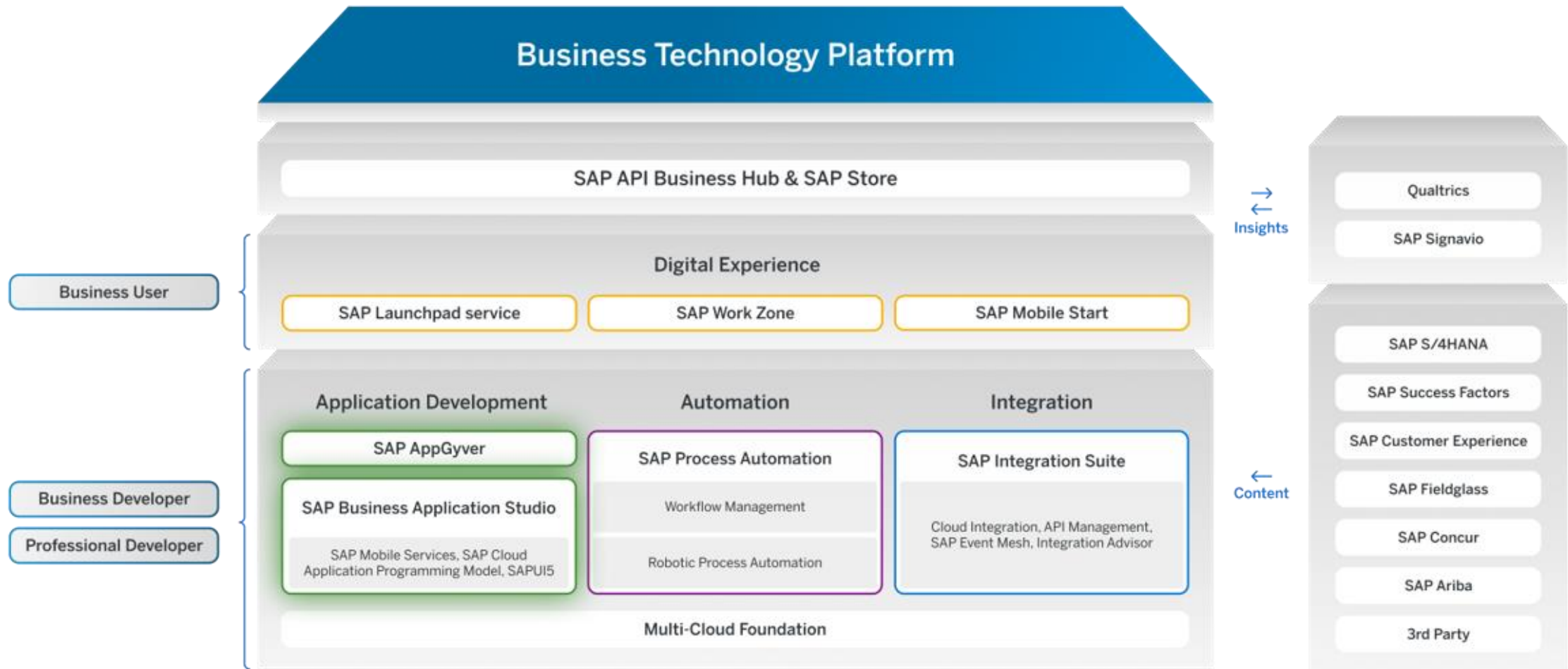
4. Gartner, Innovation Insight for Citizen Automation and Development Platforms, Keith Guttridge, Saikat Ray, Jason Wong, 24 September, 2021.
Charts/graphics created by SAP based on Gartner research. Source: Gartner, Inc., Innovation Insight for Citizen Automation and Development Platforms, Keith Guttridge, Saikat Ray, Jason Wong, 24 September, 2021.
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Enable every enterprise
to become an **intelligent,
sustainable enterprise**



SAP Supports Your Low-Code/No-Code Strategy

Simplify Development of Applications and Extensions with SAP Business Technology Platform



Meet the Growing Application Need

Scale Development by Empowering More Employees

Professional developer

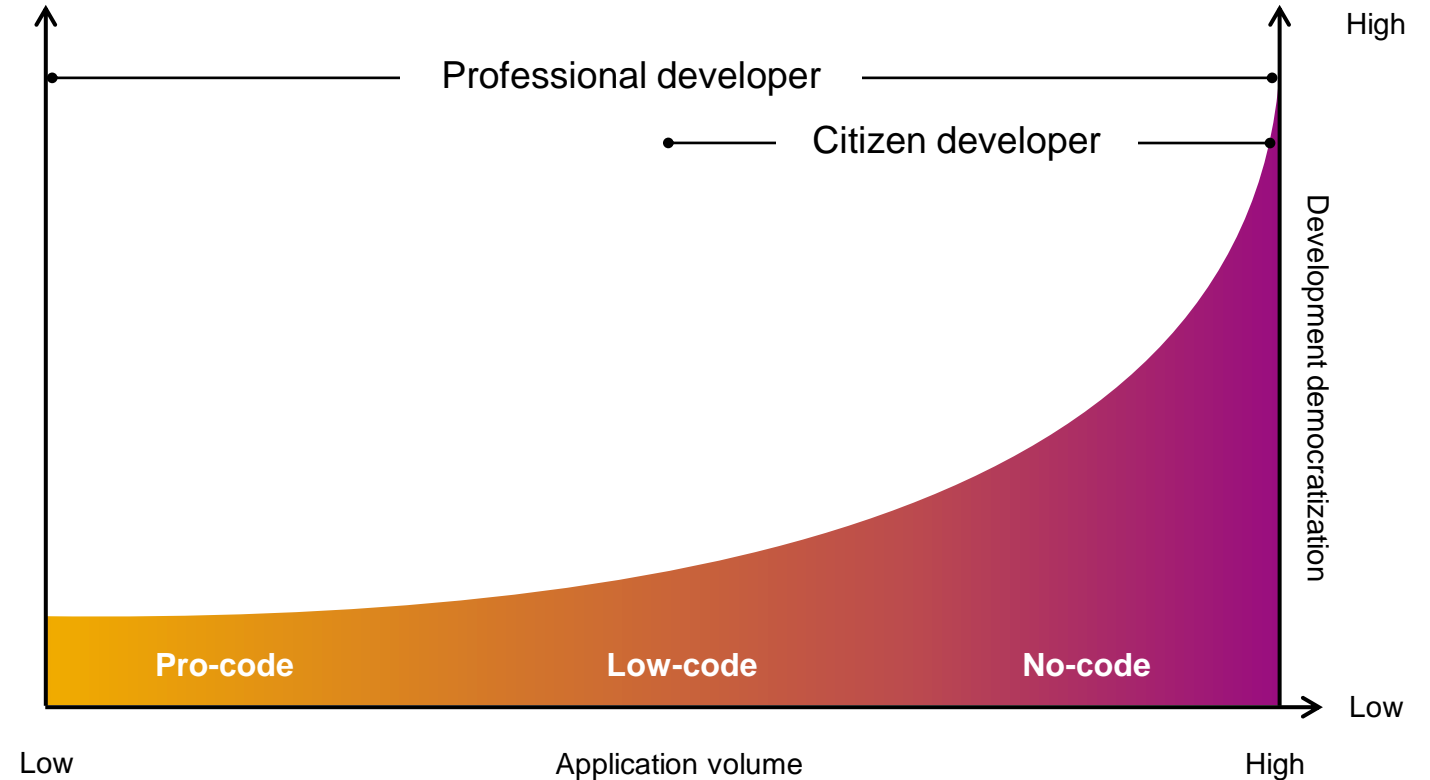


- Uses tools of choice to create cloud native applications and reusable services
- Designs, develops, deploys, tests, and hands over to production
- Understands the concept of a development lifecycle, testing, and versioning
- Ensures governance and security

Citizen developer



- Creates and publishes low-code/no-code apps and customizations with close links to business contexts
- Is unaware of testing, go-live, versioning, and termination but learns through citizen development education
- Ensures governance and security through IT-sanctioned tools and platform-supported processes





Build Visually

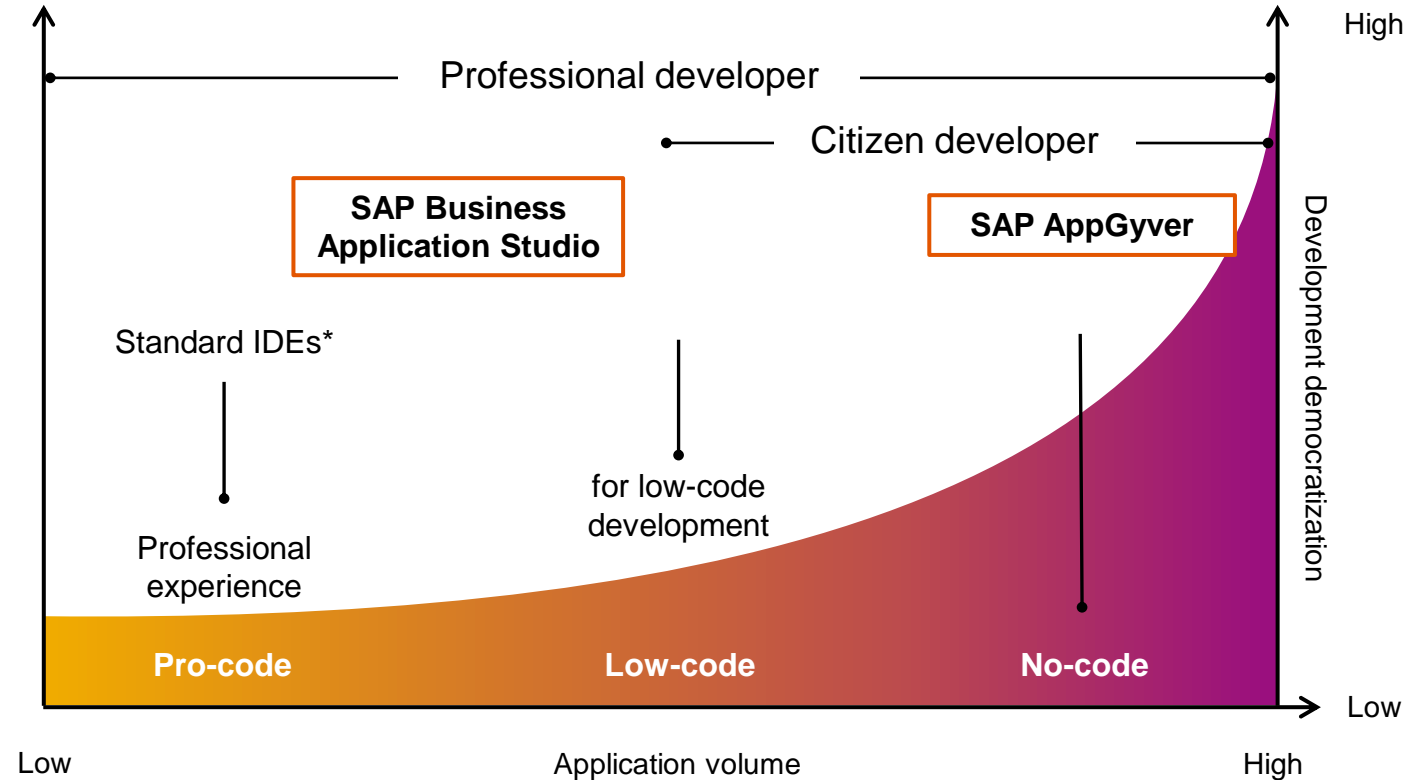


Integrate Seamlessly



**Scale Without
Compromise**

Create and Deliver Enterprise Applications Faster No Matter the Skill Level



*i.e., VS Code + extensions

Introducing SAP AppGyver and SAP Business Application Studio

Boost Application Development with Low-Code/No-Code Capabilities

SAP AppGyver



Empowers business users and citizen developers to deliver pixel-perfect standalone apps and extensions in a full no-code composition environment

SAP Business Application Studio

Boosts development productivity for pro developers with a low-code experience based on the SAP opinionated technology (CAP, Fiori, UI5, HANA and more)



Low-Code/No-Code Application Composition



Standalone and SAP App Extensions



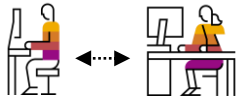
Extensive UI Component, Theming and Layout, Fiori, native web



Service modeling w/ simplified cloud application programming model



Service center for API discovery & consumption



Development continuum
Citizen Dev → Pro Dev



Multi-channel Support, Mobile & Web



Visual process management & Business Logic



Enterprise Grade DevOps governance on BTP



SAP Business Application Studio

The Low-Code Approach

Scale your Development and Build Smarter Enterprise Apps.



- Low-code development environment, **tailored for efficient development** of business applications for the Intelligent Enterprise
- Easy path **from low-code visual tools to professional** development tools



- **Modern and intuitive** web user interface
- **Simplified, faster setup** of the development environment
- **Tight integration** with SAP services, technologies, and systems



- Based on **industry best of breed IDE and tools**, providing full, tool independent, developer flexibility
- Develop **enterprise ready applications, out of the box**, utilizing SAP services and best practices

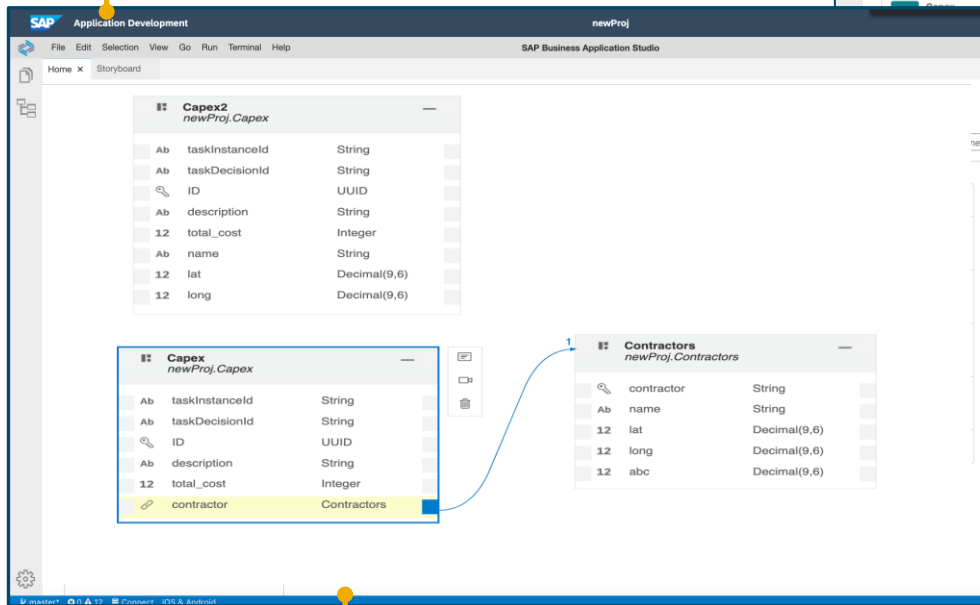


- Used daily by **thousands of SAP customers as well as by SAP internal development teams**
- Operated across all different **SAP multi cloud environments**

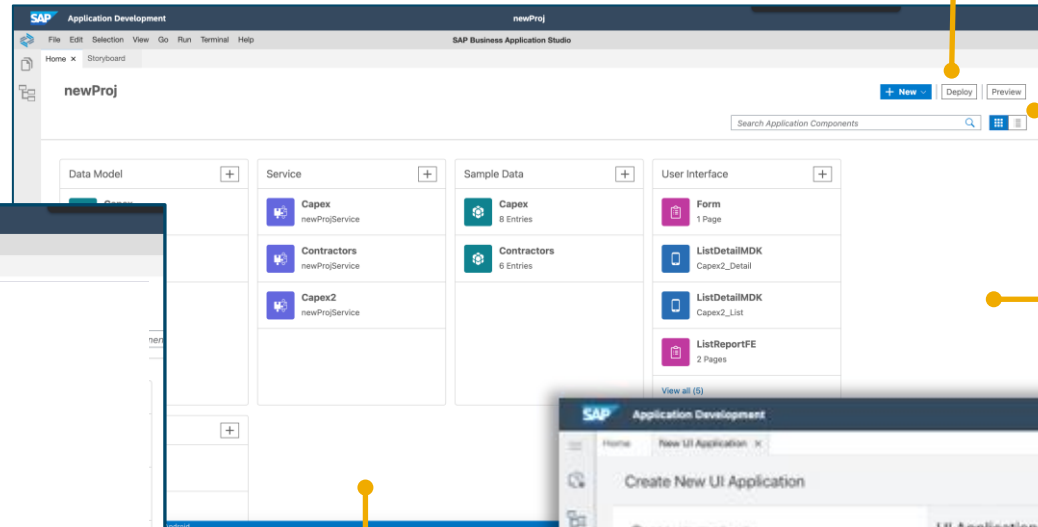
Key Capabilities of SAP Business Application Studio

Productive Development Environment for SAP Centric Development

Low-code development perspective, with easy path to professional development tools



Visual Entity & Service Modeling using Cloud Application Programming Model

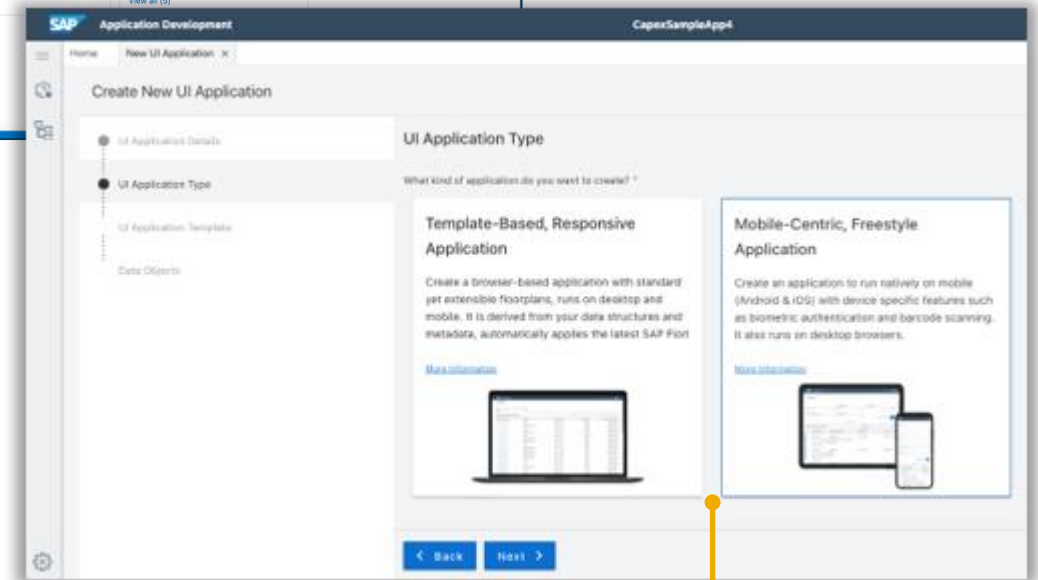


Guided Development

One click preview and deployment

GIT based Project Sharing

Simplified Semantic Project view and edit

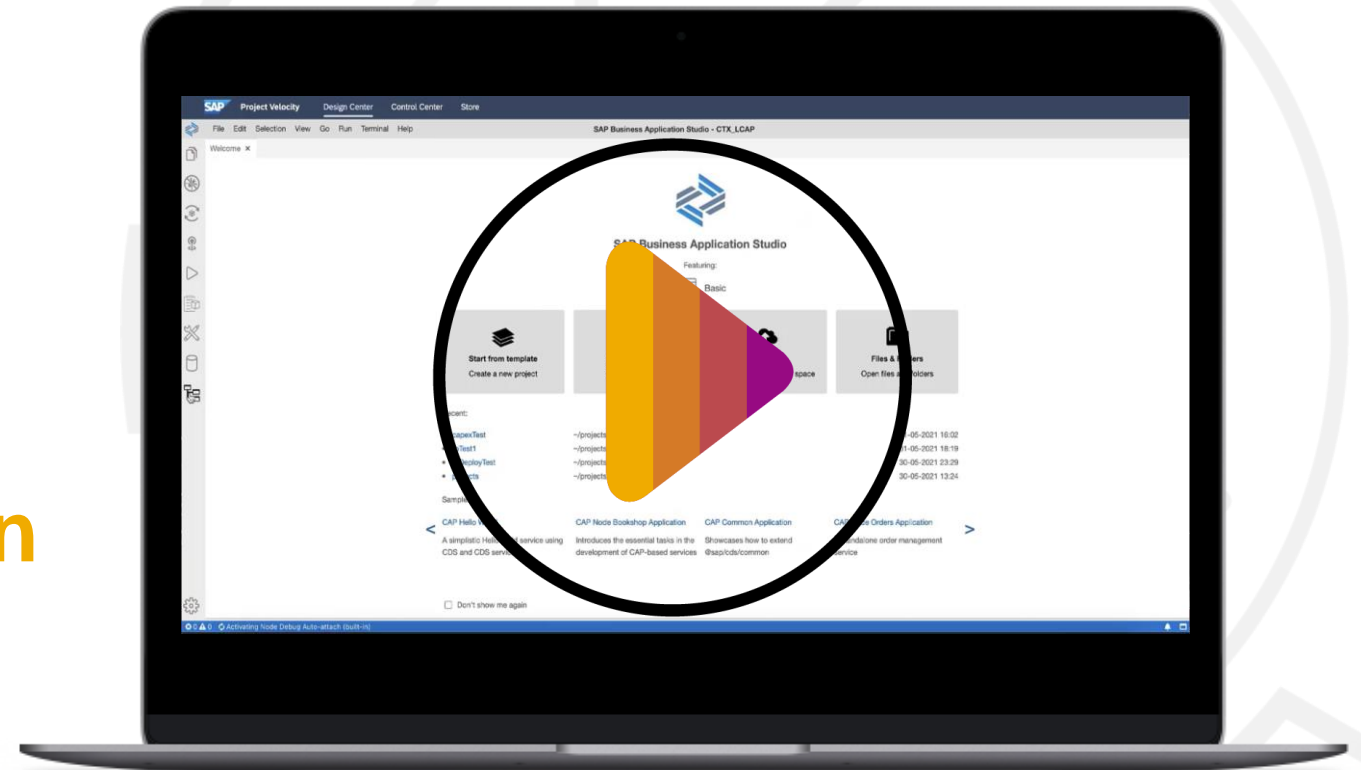


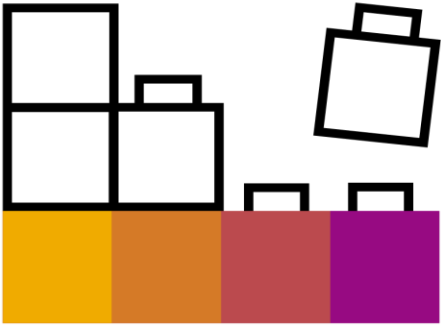
Low-Code Template-based and Freestyle UI Design

SAP Business Application Studio demo

See what you can do with a modern low-code/no-code development environment.

Watch the [demo](#).





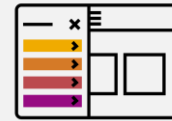
SAP AppGyver

The No-Code Approach

Increase development efficiency while eliminating coding effort. Build full-stack apps intuitively for Web, iOS and Android.



- Simplified creation of UI's with **drag-and-drop functionality**
- Integration with external data using **predefined integrations** and custom connectors
- Ability to create any logic with **flow functions**



- Support for over **400 built-in formula functions**
- **Vast enablement opportunities and community** support to help no-coders get started to rapidly create and distribute sophisticated enterprise apps



- **Visual cloud functions** empower users to assemble full-stack apps with data models and business logic, without writing code
- Easily **compose APIs** with the same no-code paradigm used for the front-end



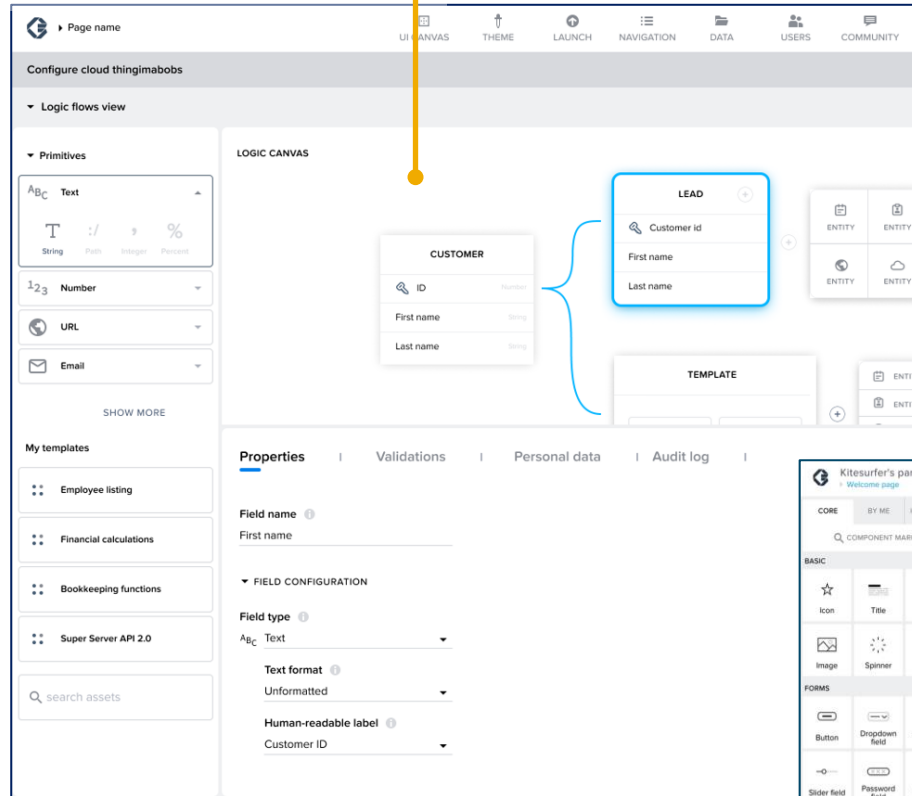
- Trusted by Fortune 500 companies and **more than 300,000 users**

Key Capabilities of SAP AppGyver

Powerful Features for Full-Stack No-Code Application Development

Visual data modelling

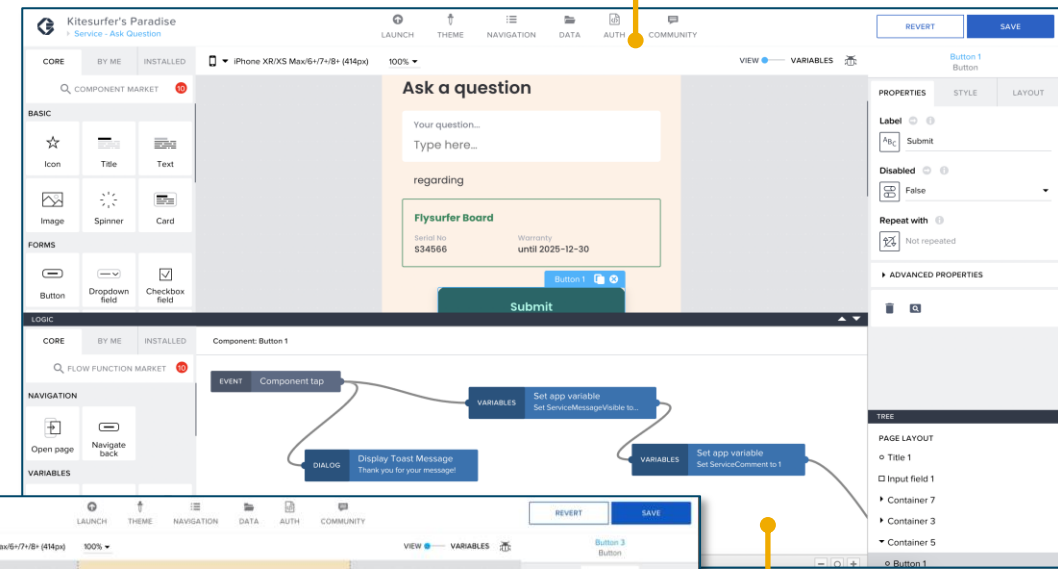
with Visual Cloud Functions*



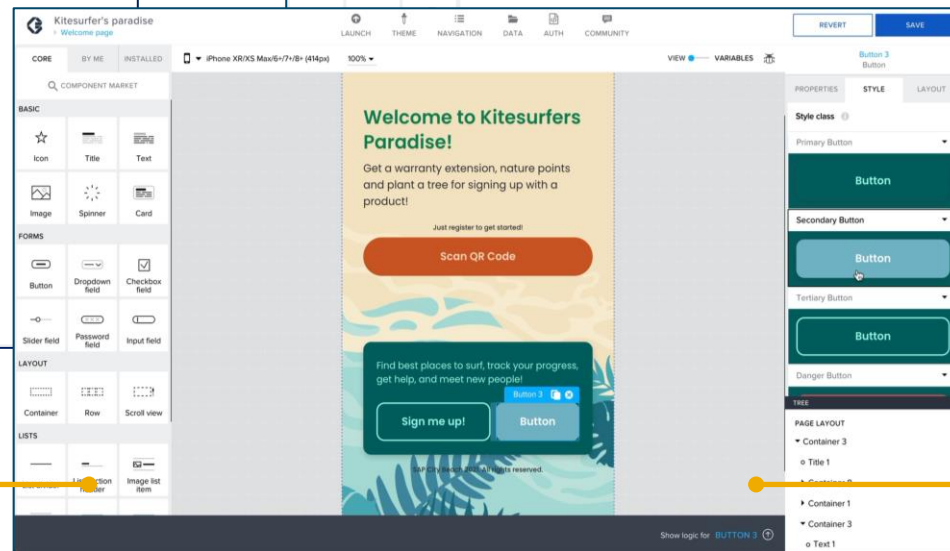
No-Code Drag & Drop UI with customizable components

Formulas for Data Transformation

REST and OData API connectivity



Visual Business Logic



Multiplatform Support

*Q2 release see [SAP AppGyver Roadmap \(Items 1 and 2\)](#)

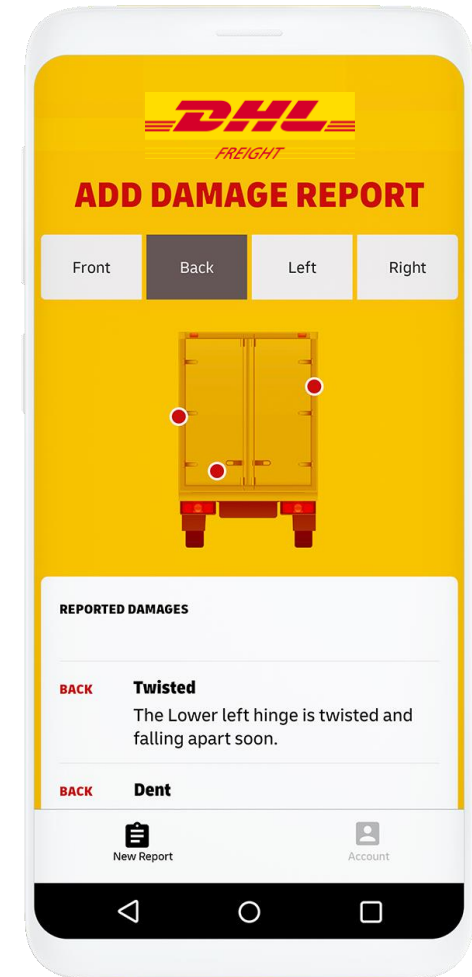
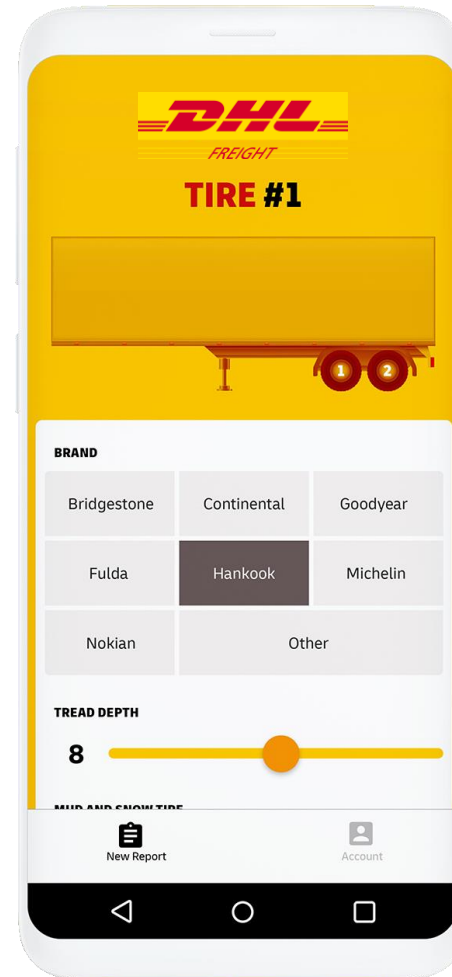
Customer Success: DHL Freight

Scaling European Fleet Management with One Application

Using SAP AppGyver, international logistics firm DHL Freight created an application to better manage damage reports for its trailer fleet across Europe. Created by a small team, the app increased the reliability of reporting while making inspections more convenient for employees in the field.

App features:

- Integration with the company's trailer fleet data
- Role- and region-based user authentication
- Localization to multiple languages
- Native iOS and Android apps, and a Web-based administrative interface



SAP AppGyver demo

See how an improved customer service is just a few clicks away with SAP AppGyver.

Watch the [demo](#).



Get started today

Meet your organization's requirements as fast as your business needs.



SAP AppGyver

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- Join [SAP AppGyver Community](#)
- Learn how to build apps and extensions in the [learning journey](#)



SAP Business Application Studio

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