

Smartface

Smartface Multi-Channel Development Platform

PRODUCT DATA SHEET



SMARTFACE DIGITAL TRANSFORMATION PLATFORM

- MULTI-CHANNEL DEVELOPMENT PLATFORM
- NEXT GENERATION MIDDLEWARE & API MANAGEMENT
- MOBILE CI/CD PLATFORM
- ENTERPRISE MOBILE APP STORE
- MOCK API SUITE

THE FUTURE OF DEVELOPMENT IS NOW

Multi-Channel Development

The multi-channel platform provides an innovative development experience with a full-featured cloud IDE for the unified, low-code and full-code development of native iOS/Android mobile and single-page web apps.

ENTERPRISE LOW-CODE DEVELOPMENT ENVIRONMENT

With the following components, enterprises can utilize citizen developers to develop apps quickly with the building block approach. These apps are also fully extensible with the full-code editor.

1 Single Codebase and Unification

Unify your frontend projects in a single software discipline with a unified project team. Develop high quality native iOS and Android mobile apps and single-page web apps in a unified platform that bridges low-code citizen development with full code development in JavaScript/TypeScript.

2 Knowledge Base

Design and develop your enterprise components in the full code editor or utilize the readily available components in the Smartface ecosystem and provide them as building blocks to your citizen developers for the sharing economy.

3 Smart UI Kits for Best Practices

Apply your company typography, branding and theme to the built-in components and the knowledge base building blocks for faster development. You can focus on the user interface development with no dependency on the visual designers.

- Smart Objects: User interface objects such as fields
- Smart Libs: User interface object groups as libraries
- Smart Widgets: Group of objects for specific purposes
- Smart Screens: Ready-to-use screens such as login

4 Design Editor for Citizen Developers

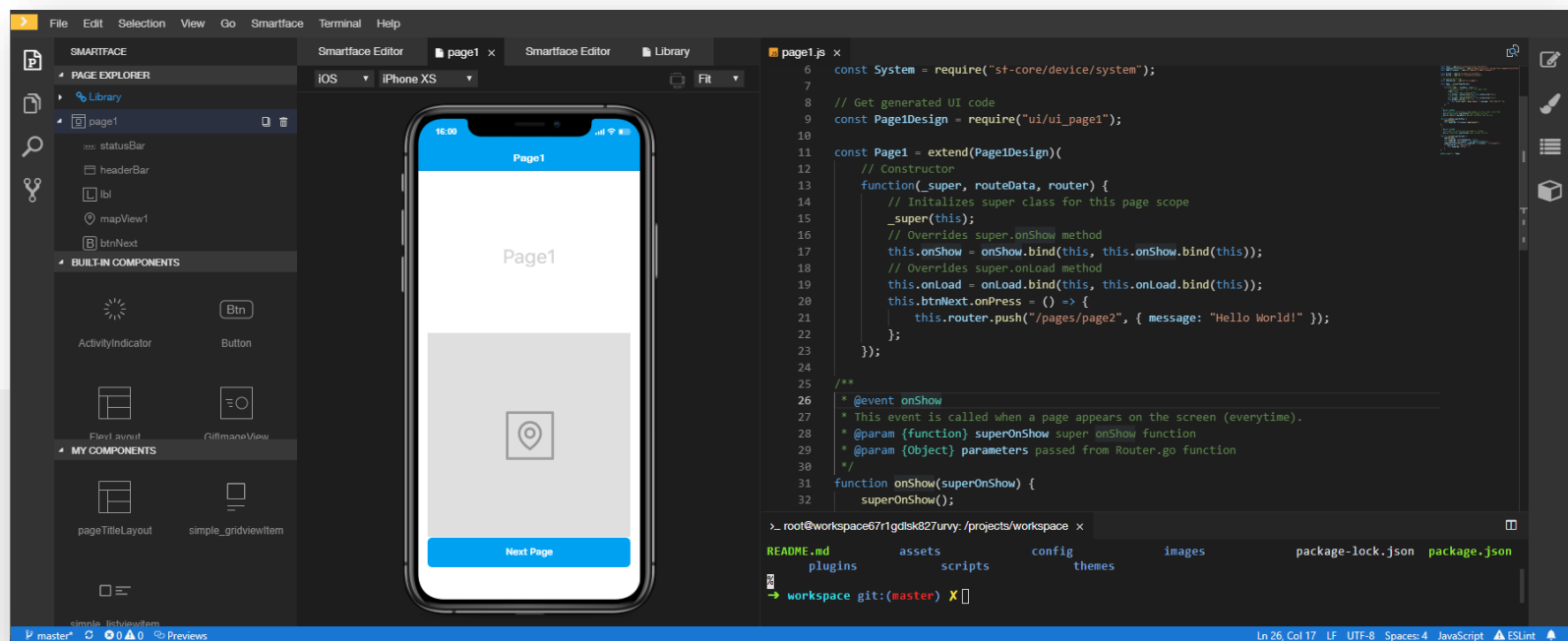
Develop the user interface of your app with the intuitive WYSIWYG design editor with auto code generation. The design fits multiple resolutions and devices effortlessly.

5 Instant Preview and Deployment

Preview your app on a real device or on a virtual device instantly and update seamlessly as you make changes. No need for waiting for compilation or cables.

Develop high quality enterprise apps with high productivity





CLOUD IDE FOR NATIVE MOBILE & WEB APPS

The Cloud IDE is a versatile, full-featured, in-browser IDE to develop native iOS/Android mobile and single-page web applications with a single JavaScript/TypeScript codebase.

1 No Setup & No Mac Needed

Start developing mobile apps immediately on your browser on any OS. No more OS or hardware lock-in. No more platform update worries. The latest version of the platform is always delivered fresh from the cloud.

2 Live Collaboration

Eliminate physical boundaries and limitations with **coding in the cloud as a service**. Share your workspace with your fellow developers or with the support teams and code in the same environment collaboratively.

3 Full-Featured IDE

Smartface Cloud IDE is not just another web-based “editor”. It is a full-featured IDE with all the features that you would expect from a desktop environment such as a Git-based complete source control interface, a terminal working on a Linux environment for the filesystem, npm or any similar command-line access and an extensive set of features for JavaScript coding.

4 Enterprise-Grade Platform

The Cloud IDE is designed for enterprise with enterprises.

The platform is deeply integrated with other Smartface digital transformation products for maximum productivity.

The platform has a Kubernetes-based architecture for private cloud and on-premise deployments.

You can customize every parameter of the IDE deployment like the tools and stack included as well as the theme.

5 Enterprise Team Management

The Cloud IDE is built with enterprise team structures in mind. It streamlines the management of large multi-location, multi-project and even multi-vendor teams.

- Integration with enterprise identity systems
- Fine-grained role, access and organization management
- Support for enterprise source control systems
- Tools for code reviews and detailed logging for developer efforts and work audits.

WHY SMARTFACE

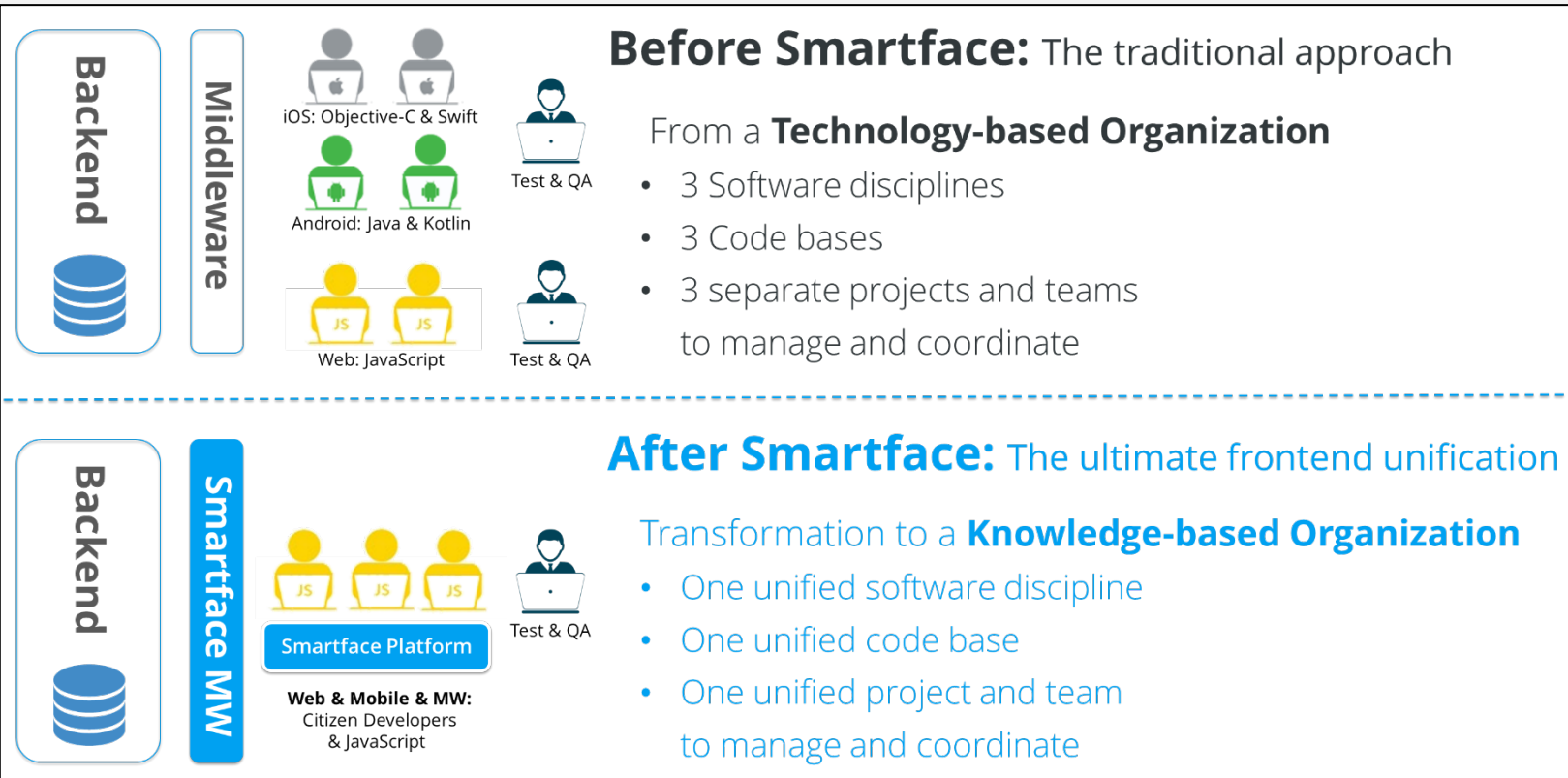
Digital Transformation in the Cloud

Smartface Cloud Platform facilitates digital transformation with end-to-end solutions to digitalize and mobilize enterprise processes with higher productivity and shorter time-to-market.

Smartface provides a fully cloud-based, cloud native, continuously integrated platform with multi-channel app development & lifecycle management and middleware & API management. With Smartface, it is possible to develop native iOS/Android mobile and single-page web applications and mobile backends just with JavaScript/TypeScript knowledge and centrally manage all enterprise mobility and frontend management processes. The platform can run on compatible Kubernetes or OpenShift environments for the maximum flexibility.

With the suite of products in the Smartface platform, you can achieve a mindset shift towards digital transformation:

- **Empowering employees:** Empowering all employees with the integrated cloud tools
- **Sharing economy:** Centralized & shared know-how and resources
- **Minimize dependency** on specific employees and or 3rd party resource providers
- **Standardization** across departments and processes



RETURN ON INVESTMENT OF THE SMARTFACE PLATFORM

	Native Mobile App & Single-Page Web App			Smartface
	iOS (Obj-C or Swift)	Android (Java or Kotlin)	Web (JavaScript)	Smartface Multi-Channel (JavaScript/TypeScript)
Development Resources (person/month)	1	1	1	1.5
Testing Resources (person/month)	0.5	0.5	0.5	0.7
Project Management (person/month)	0.5	0.5	0.5	0.7
Total Yearly Effort (person/month)	72			34.8
Yearly Cost	\$243,000			\$99,600

More Than 2x Productive Frontend Development*

The unified frontend development approach of the Smartface Multi-Channel Platform accelerates development by isolating the enterprise from the complexities of distinct requirements of each frontend channel.

- **Maintenance:** With a single codebase, the cost of maintenance can be reduced up to 1/3 of the traditional approach.
- **Project Synchronization and Management:** With a single codebase, the same output is provided for all platforms at the end of the sprint.
- **Development Resource Recruitment and Retention:** Hiring or training a JavaScript developer is easier and faster due to the nature of the language. Both backend and frontend developers have JavaScript knowledge and they can be utilized in Smartface projects, transforming the development teams to a business know-how-based structure.
- **Device Purchasing and Maintenance:** Smartface does not require and specific hardware or software such as a Mac. The platform can be accessed from any web browser. This reduces both the starting and the maintenance cost of hardware.
- **Technical Know-How and Experience:** With a single project, single source code and single language, the lessons learned can be carried over and transferred more efficiently.

* JavaScript Dev. & Tester monthly \$2,500 | iOS/Android Dev. and PM monthly as \$4,000 | Product licenses not included