Introducing GeneXus 18 and its Roadmap

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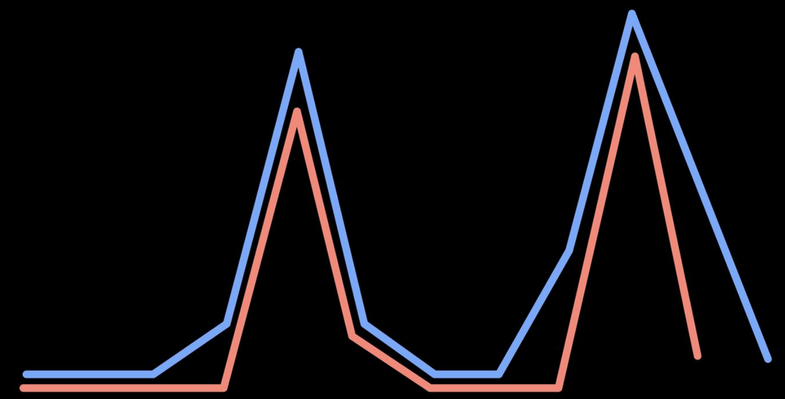
GeneXus™

Post-pandemic IT Context

Accelerated changes require Businesses to have special abilities to be resilient and adaptive, and drive digital adoption efficiently.

Top Strategic Technology trends to watch: Total Experience, Cloud-native, Composable Applications, Hyperautomation.



App Development Today

Multi-Experience
Web + Mobile + APIs + Chatbots

Scalability/Availability

Security

Performance

Observability
Logging + Monitoring + Metrics

Integration

Agility & Innovation

Low TCO

GeneXus 18

Build a total experience, grow ecosystems, build scalable cloud-native mission-critical solutions, build fast & knowledge-driven and automatize everything.

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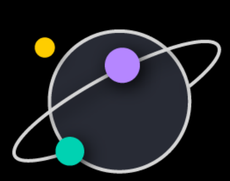
Acceleration and Future Proof

GeneXus 18



Total
Experience

Super Apps
& Mini Apps

Cloud
Native

Knowledge-
driven

Automated
DevOps

Total Experience

Super Apps & Mini Apps

Cloud Native

Knowledge-driven

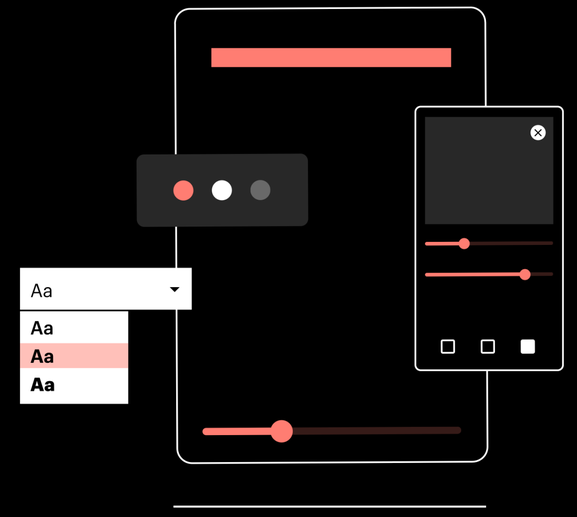
Automated DevOps

Unanimo

Unanimo is a Design System that was created to be the soul of the design of mission-critical business applications.

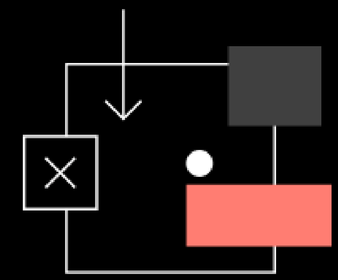
Out of the box - Consistent - 360 - Flexible - Extensible.

Supports incremental adoption.



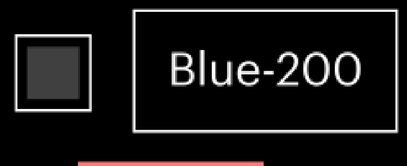
Import from external Design

DesignOps. Automatic Design Integration.



Design System Object

Domain Specific Language for modeling Design Systems.



Latest Technology for the Front-end

Angular 14

Android 13

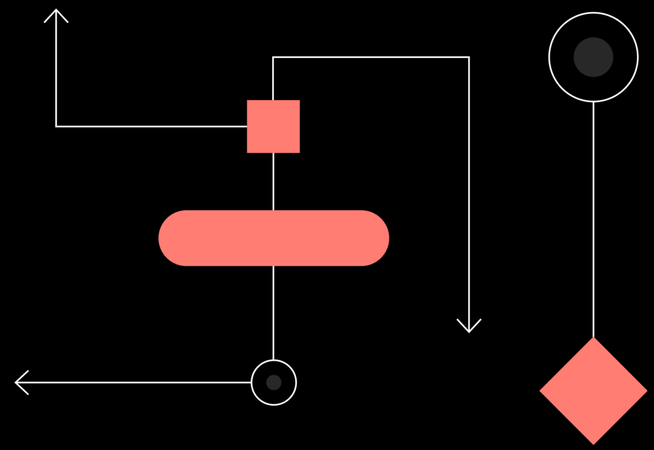
iOS 16

Latest Security Updates

Flexibility in GXflow

Inbox-driven UI based on Unanimo. Flexible.

Out of the box Dynamic forms support.



Total Experience

Super Apps & Mini Apps

Cloud Native

Knowledge-driven

Automated DevOps

Super Apps and Mini Apps in two phrases

A Super App can contain many Mini Apps

The Super App loads each Mini App dynamically

Super Apps enable

New Business Models

New Experiences

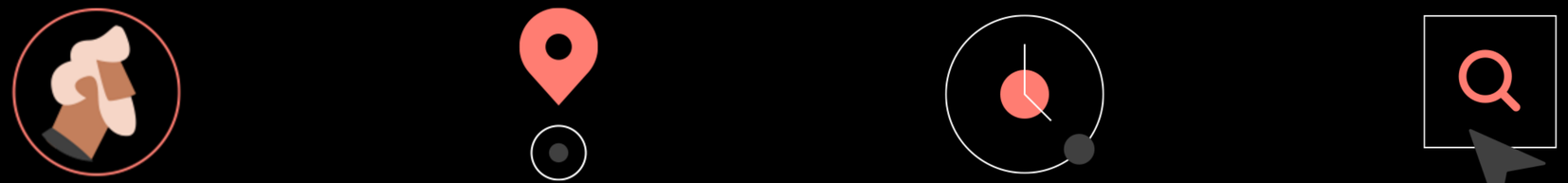
New Architectures

Super Apps enable New Business opportunities

Build Super Apps, grow your Ecosystem

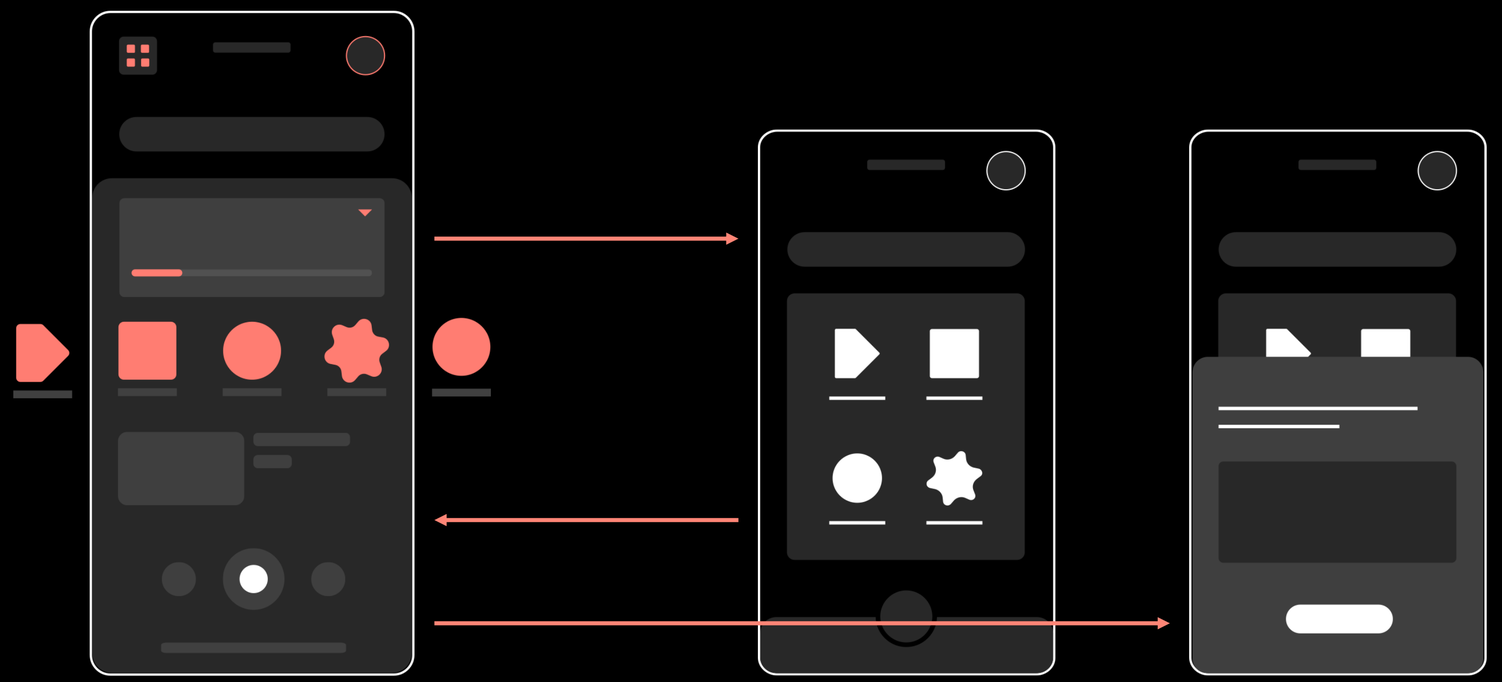
Build Super Apps, accelerate Growth

Super Apps enable New Experiences



User Location Time Browse

Super apps rely on Special Architectures



Super Apps

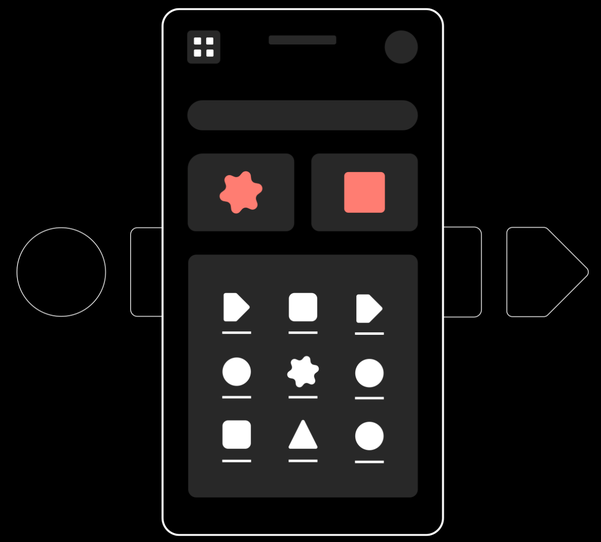
Mini Apps

Super Apps & Mini Apps

Transform existing Native Apps into Super Apps.

Model and Build Super Apps & Mini Apps.

Mini App Center.



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Build a Super App, gain a competitive advantage

Total Experience

Super Apps & Mini Apps

Cloud Native

Knowledge-driven

Automated DevOps

Sample Architecture

aws

Backend Services

AWS Lambda

Ticket Table

Amazon DynamoDB

Ticket Raffle

AWS Lambda

Client

Read API

Check Registration Status

Amazon API Gateway

Amazon CloudFront

Write API

Registration

Amazon API Gateway

Pending Tickets Queue

Amazon SQS

Ticket Processor

AWS Lambda

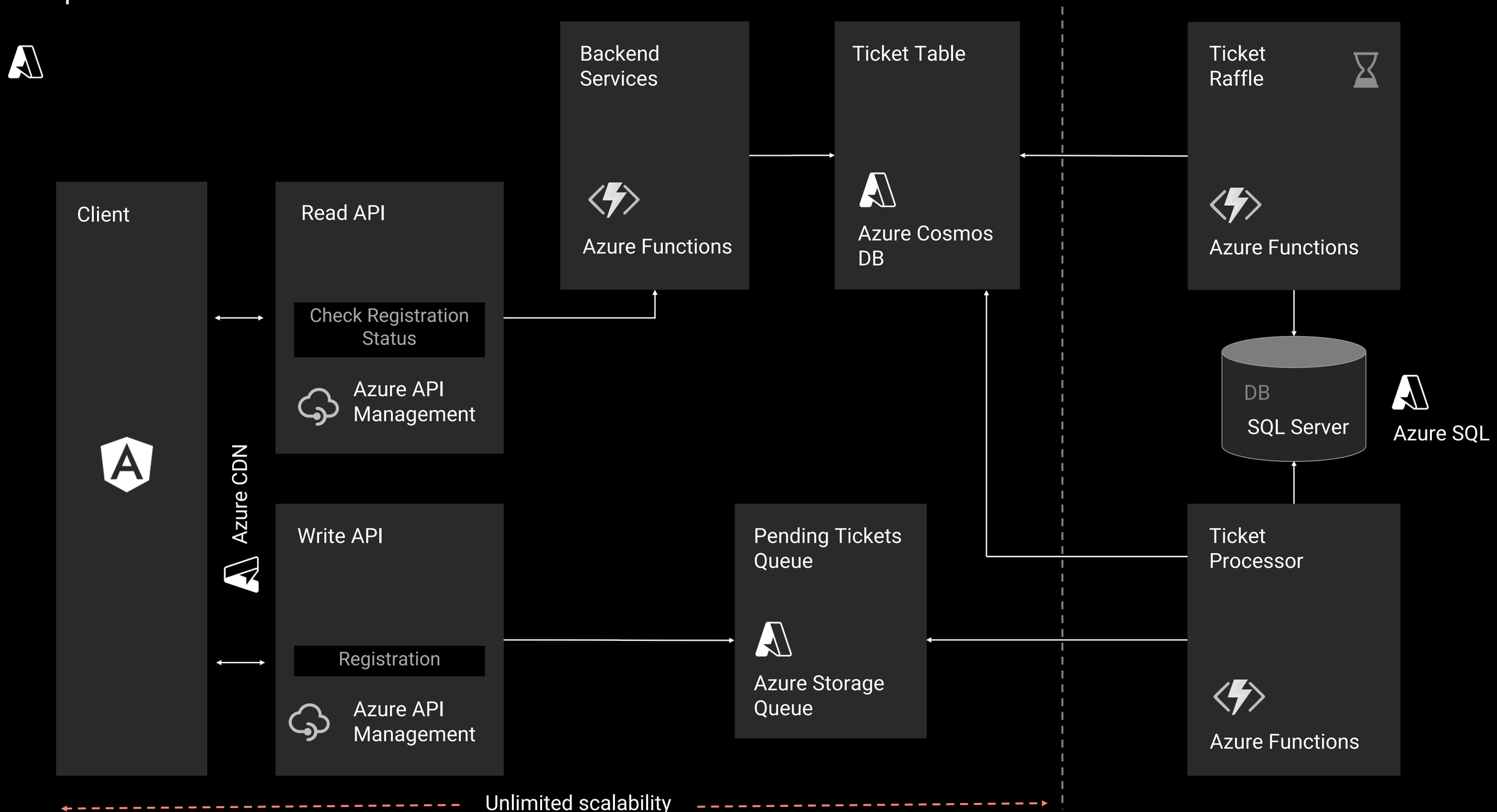
DB

MySQL

Amazon RDS

Unlimited scalability

Sample Architecture



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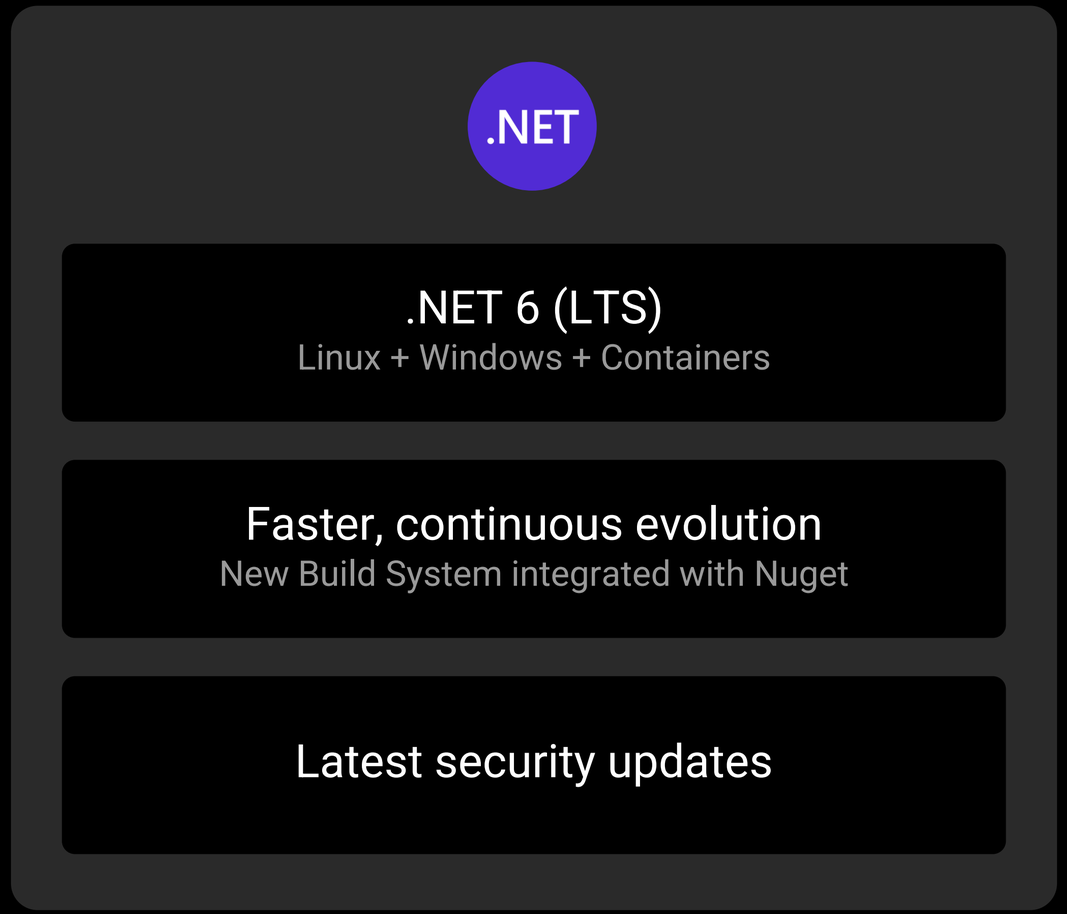
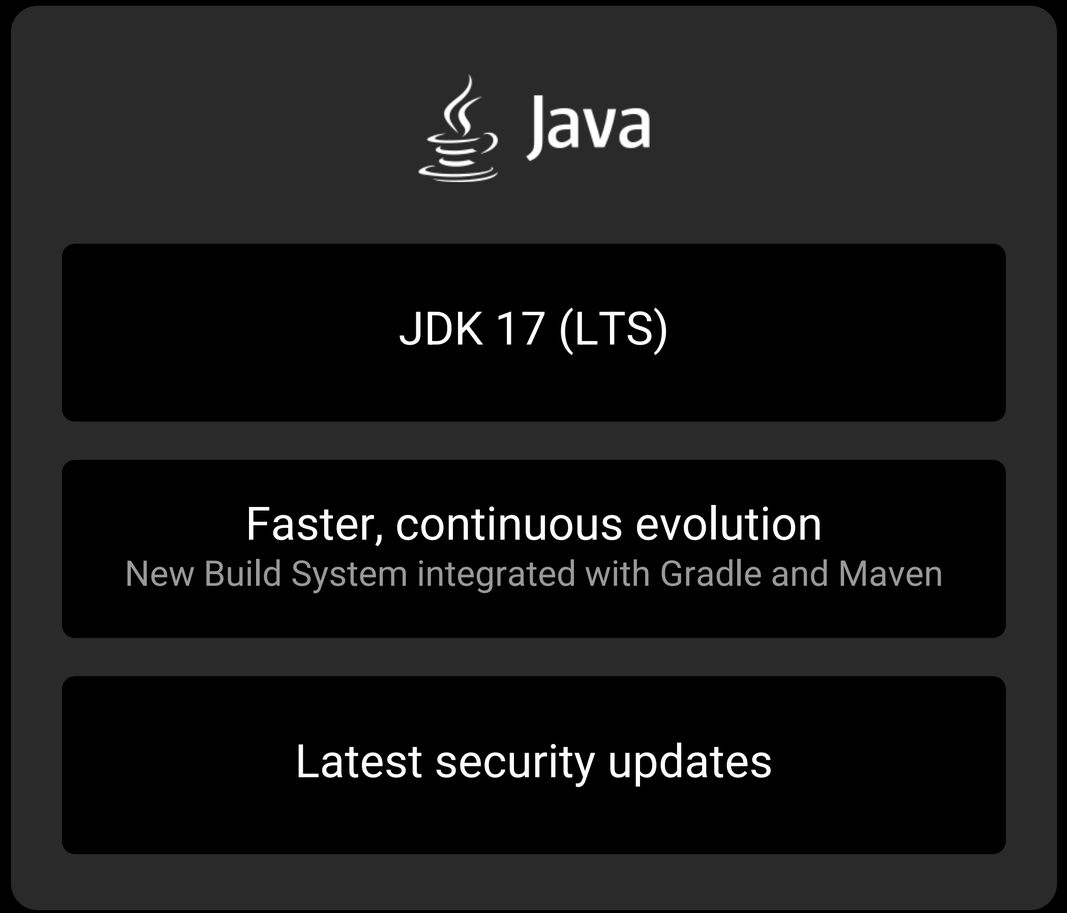
Deliver modern, secure, highly scalable Solutions, leveraged by the Cloud

Modern and Secure Solutions



Modern and Secure Solutions



Secure Solutions

OpenID Connect

Google
Microsoft
Okta
Oracle
IBM Cloud Identity

OAuth 2.0

Office 365
Mercado Libre
Azure Active Directory
LinkedIn
WeChat

SAML 2.0

SAP
Agesic
Okta

Native

Twitter
Apple
Google
Facebook
Biometric

Highly-scalable Solutions, leveraged by the Cloud

Containerization

Deploy Docker - Environment Vars

Database scalability

NoSQL DynamoDB - Cosmos DB - Read Replicas

Service messaging

Queue API - Service Bus

Serverless computing

AWS Lambda - API GW - Azure Functions - APIM - Serverless

Total Experience

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Cloud Native

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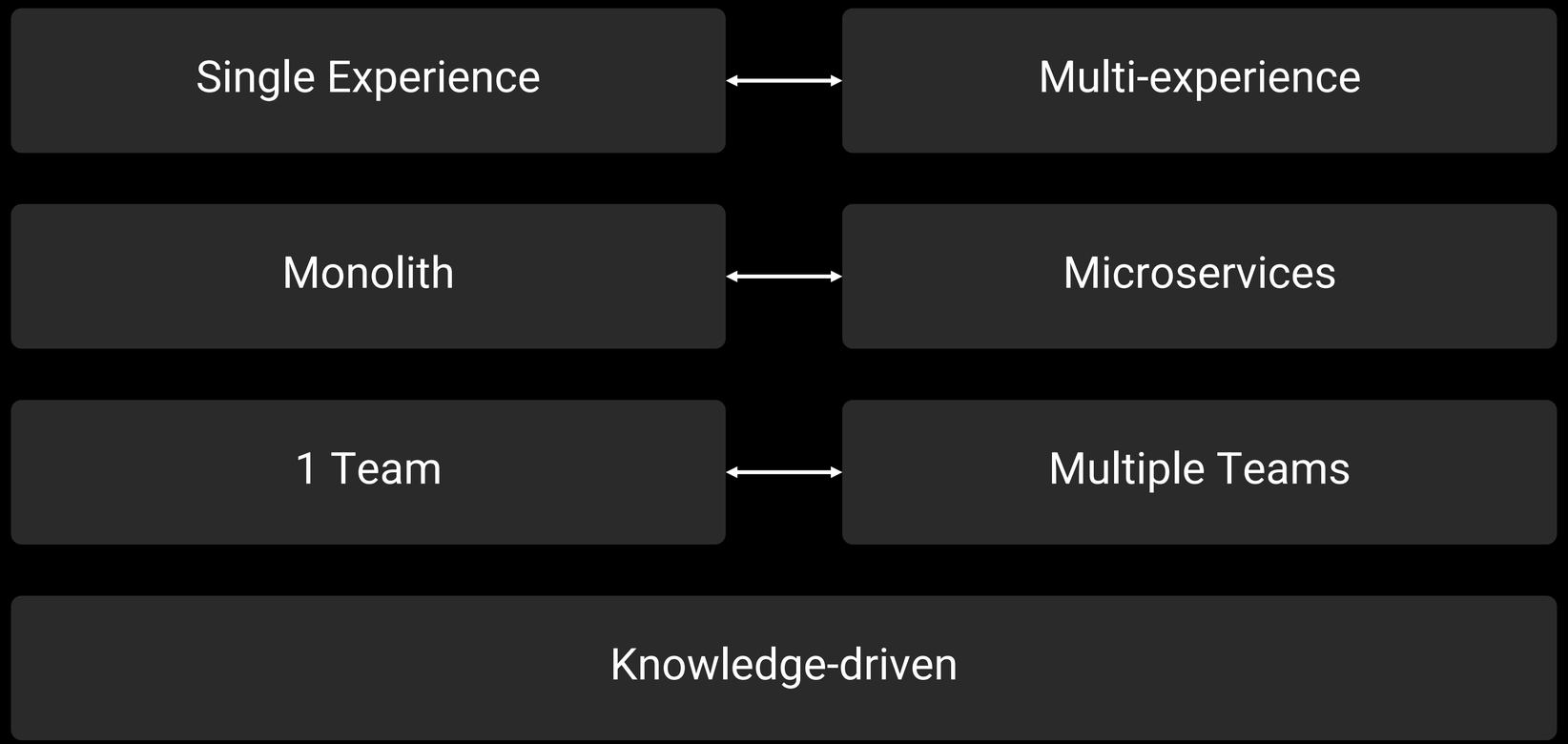
Accelerated evolution of solutions with GeneXus 18

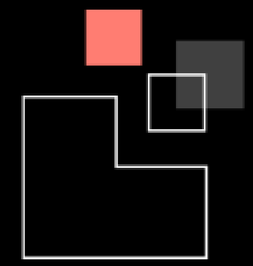


Empowering Modules

Package and share Design Systems.

Package and Share APIs.

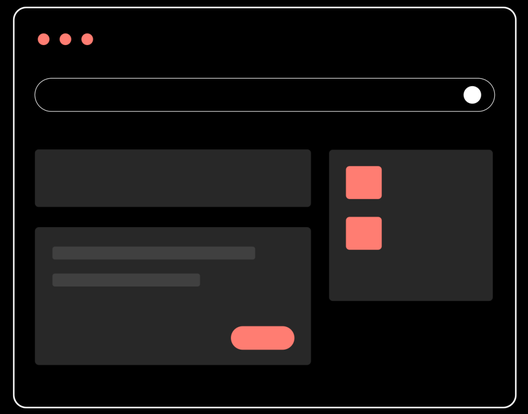
Automatic Dependencies management.



Empowering DX

Renewed Integrated Development Environment that simplifies DesignOps, modeling UX, modeling business processes, modeling tests and accelerates the prototyping cycles.

It simplifies and accelerates software development.



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GeneXus™ Server

GXtest

Sketch / Figma

MSBuild Tools

Jenkins

Azure DevOps

Security Scanner (SCA)

Jira

Slack

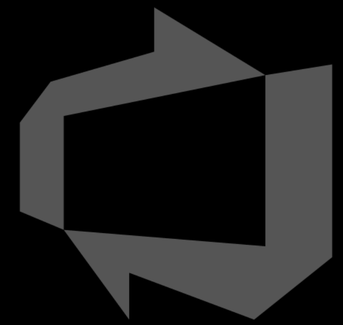
MSBuild Tasks

Azure DevOps Integration

Trigger Azure Pipelines.

Build on self-hosted Node.

Deploy Sources to Azure Repo.



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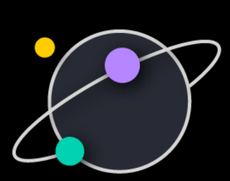

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GeneXus 18 generates value in record time leveraged by Knowledge

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Roadmap for 2022/23

Total
Experience

Super Apps
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Native

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GeneXus International Roadmap 2022/23

Q4/2022

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Q1/2023

- **Total Experience**
  - New UI Controls
  - Unanimo ++
- **Super Apps**
  - Model Super Apps
- **Cloud Native**
  - Cosmos DB
  - Read Replicas
- **Knowledge-driven**
  - Automatic Dependencies Management
  - Dictionary Data type
- **Automated DevOps**
  - Deploy Sources to Git

Q2/2023

- **Total Experience**
  - Query Object used programmatically
- **Cloud Native**
  - Services Bus API
  - Search Services API
  - Open Telemetry
- **Knowledge-driven**
  - Package and Share APIs
  - Package and Share Web Components

Q3 & Q4/2023

- **Total Experience**
  - Incremental DesignOps
- **Cloud-Native**
  - Simplify Modeling of Complex Architectures for Google Cloud
  - MongoDB
- **Knowledge-driven**
  - Web-based GeneXus Platform
  - Business Rules / DMN
- **Automated DevOps**
  - Infrastructure generation

GeneXus 18’s Roadmap focuses on capturing more Business Knowledge to generate maximum Time to Value & Future Proof

GX
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Thank you!

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