

GeneXus™
The power of doing

GeneXus

Update to GeneXus 16

GeneXus Training Program

GeneXus™ 16

Overview

GeneXus
Platform



Solutions



DevOps practices



Development

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O
N

Multi-experience & Omnichannel

Integration

Security

Build

Test



Multi-experience & Omnichannel

Integration

Security

Build

Test



Reach

Engagement

Loyalty

Web

Mobile / Wearables / Chatbots / TV / AR

Multi-experience & Omnichannel



- Powering Design
- UX: Streams of information (Twitter, Facebook-like apps)
- Conversational UI: Chatbots
- Multi-layer Maps
- Powering analytics
- Woreables (Apple Watch, Apple TV)
- ... and more in Web and SD

Powering Design

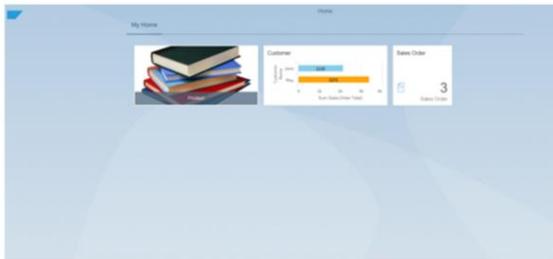
Design Systems

Principles

Patterns

Practices

Design Systems



Fiori Launchpad

Fiori Split Screen
Master List

A screenshot of a Fiori Split Screen Master List for 'Country'. The left pane shows a table with columns for country name and population. The right pane shows a detailed view for 'Uruguay' with fields for 'id', 'Name', and 'Population'.

Country (4)		Country
Search		Uruguay
China	1380996000	GENERAL
Uruguay	3440157	id: 2 Name: Uruguay Population: 3440157
USA	325318000	
Iceland	334252	

Design system

Base styles



Themes

Controls



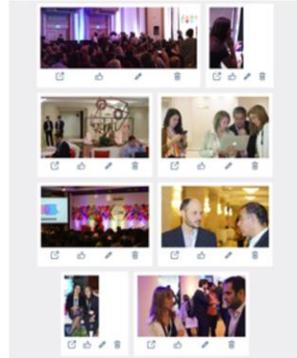
Stencils

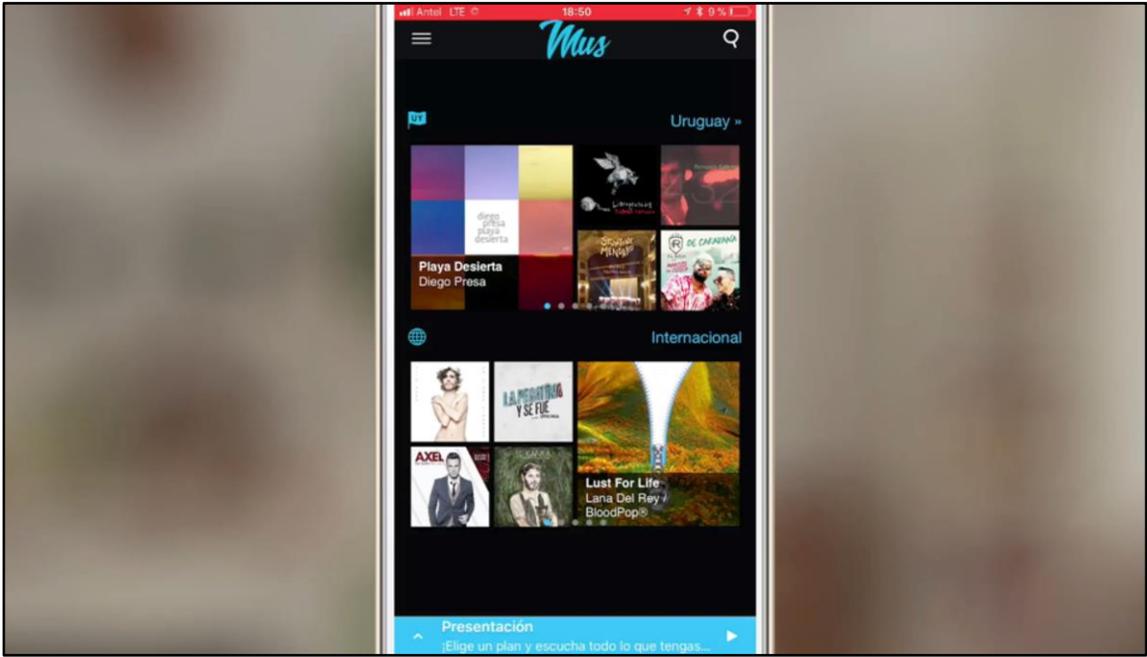


Patterns

Master Pages

UX





Conversational UI

Chatbots

Natural Language

Voice

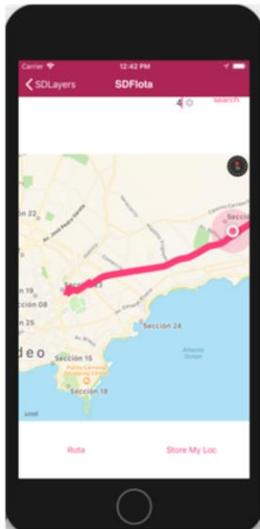
Text

Hybrid

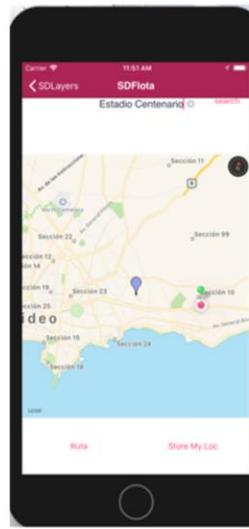
Do tasks

Multi-layer maps

Direction and Selection layer - SDmaps



Direction Layer



Selection Layer

Powering analytics

Rusia 2018

Tabla general

5

Jugados

4

Ganados

0

Empatados

1

Perdidos

7

Goles a favor

3

Goles en contra

4

Diferencia goles

Disciplinario

3

Tarjetas amarillas

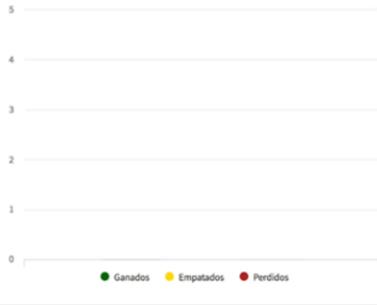
0

Tarjetas rojas

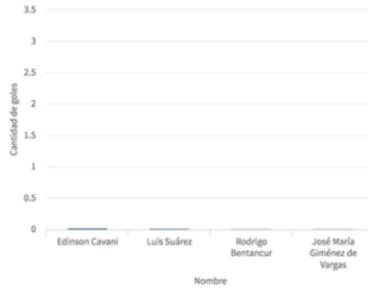
63

Fouls

Partidos



Goleadores (clic para info del jugador)



Equipo

Uruguay

Fase

(Todas)

Fecha

(Todas)

Grupo

Amigachos

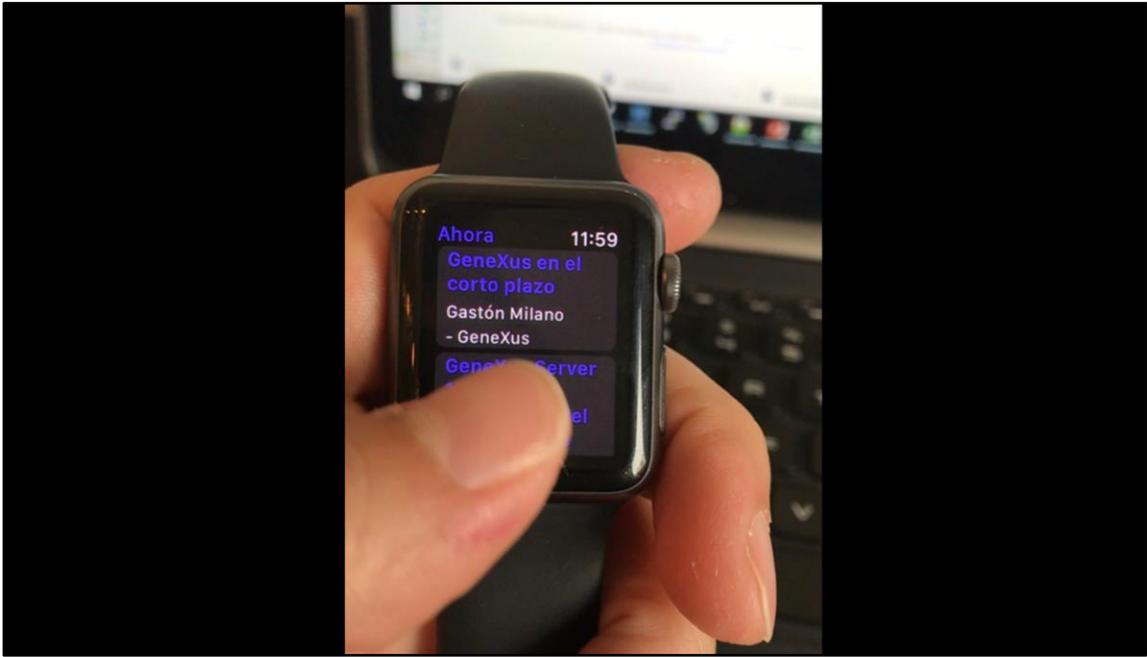
Usuarios

No hay selección

Top (ranking)

5

Apple Watch / Apple TV



Apple tv



GX28 TV

Multi-experience & Omnichannel

Integration

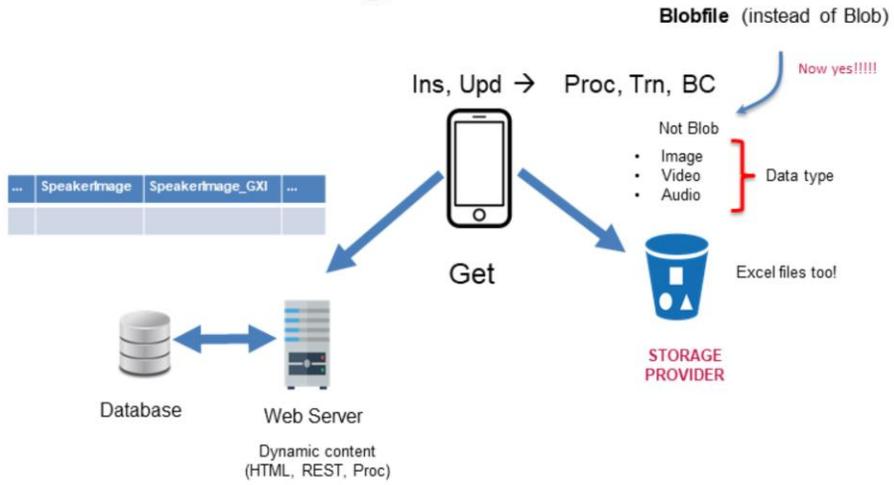
Security

Build

Test



Cloud external storage



Services



+

Services through Data Stores



Data View → Transaction → Attributes → for each

Streams & Notifications apis

Sockets

Kafka

JPush, OneSignal

Payment apis

MercadoPago

Paypal

Stripe

WeChat Pay

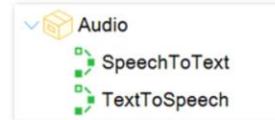
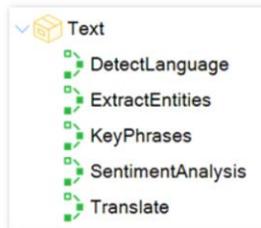
Ali Pay

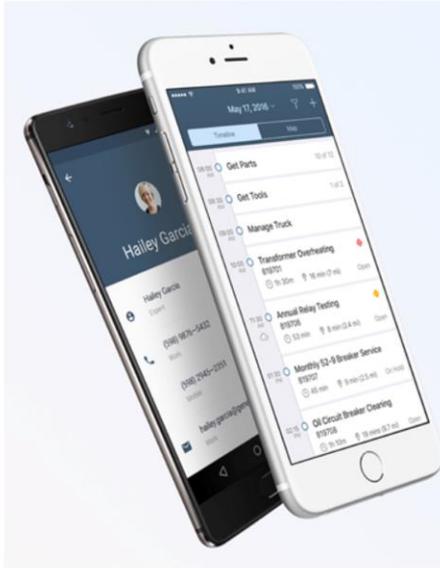
Artificial Intelligence

IBM Watson

Microsoft CS

SAP Leonardo





Accelerate adoption of SAP Systems

Automatically
Extend SAP S/4HANA®
Leverage SAP HANA DB,
Deploy to SAP Cloud Platform
Enjoy SAP Fiori UX
Take advantage of SAP Leonardo



SAP® Certified
Integration with SAP® S/4HANA

Multi-experience & Omnichannel

Integration

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Data Security

Sensitive Data Protection

Apps Obfuscation

Offline DB Encryption

GeneXus Access Manager

OAuth 2 & SSO

Office 365

Linkedin

Mercado Libre

Instagram

...any other OAuth 2

Multi-experience & Omnichannel

Integration

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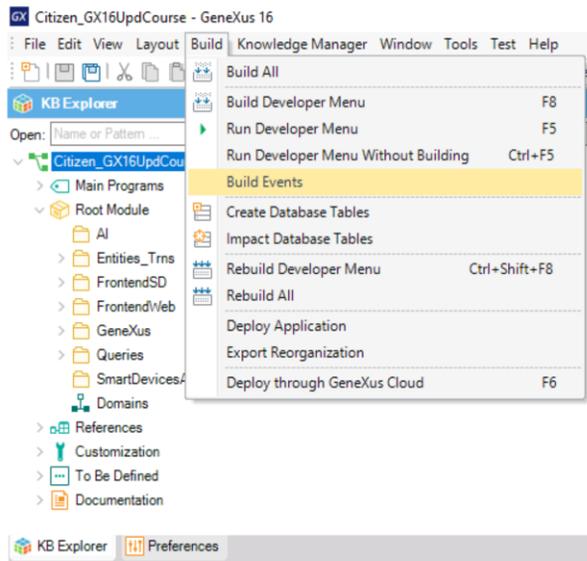
Build

Test



Build

Build events



New generators

.NET Core

Apple Watch

Apple TV

Multi-experience & Omnichannel

Integration

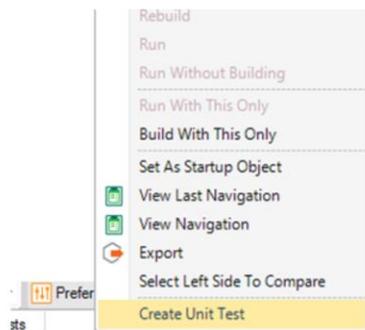
Security

Build

Test



Unit Testing



A screenshot of a code editor window showing unit test code for a procedure named 'Sum1'. The editor has tabs for 'Sum1' and 'Sum1_UTest'. The code is as follows:

```
1 /* Unit test code for procedure 'Sum1' */  
2  
3 // Arrange  
4 &param = 5  
5  
6 // Act  
7 Sum1(&param)  
8  
9 // Assert  
10 AssertNumericEquals(&param, 6)  
11
```

Operations

Package/Release/Deploy

Deployment Unit Object
Build events
Serverless (deploy to AWS lambda)
GX Cloud Deployment Services → F6 PAAS
Containers (Docker)

Configure/ Operate

ConfigurationManager API
Config via Environment variables

Monitor

Log API



```
Event 'WriteAllLogLevels'  
  Composite  
    Log.Debug("Debug message","TestSDLoggingDebug")  
    Log.Info("Info message","TestSDLoggingInfo")  
    Log.Warning("Warning message","TestSDLoggingWarning")  
    Log.Error("Error message","TestSDLoggingError")  
  EndComposite  
Endevent
```



DevOps

GeneXus

Multi-experience & Omnichannel

Integration

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Build

Test

Package/Release/Deploy

Configure / Operate

Monitor



Pipeline control

Pipeline control



Source Code Management

None

GeneXus Server ?

GeneXus Installation ?

GeneXus Server URL ?

GeneXus Server Credentials ?

Knowledge Base Name ?

Version ?

Subversion ?

DevOps

GeneXus

- Multi-experience & Omnichannel
- Integration
- Security
- Build
- Test
- Package/Release/Deploy
- Configure / Operate
- Monitor



GeneXus Server
BPM } Suite

Create, **evolve** and **mantein**
unprecedented software
solutions **automatically**

GeneXus™

The power of doing

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