GeneXus^{*} Vision Supercharge Business Innovation with AI

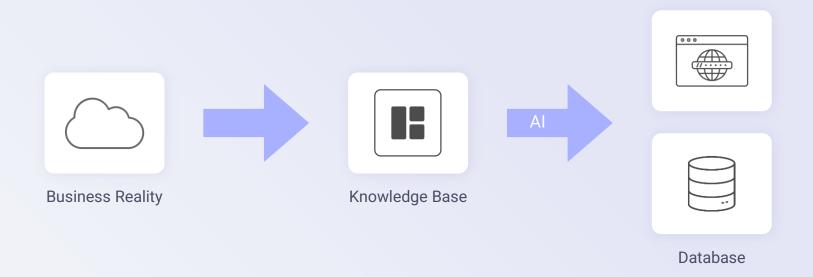
Armin Bachmann

Product Manager - GeneXus. November 2023.

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Introduction 3 decades of AI

GeneXus Our approach



Programs

GeneXus Our Journey

- +30 years generating mission critical software using **Artificial Intelligence**
- + Code Generation

The revolution: Large Language Models

This is the current Foundational Models Landscape

	Consta				_		NON-EXHAUSTIVE
	Google DeepMind	amazon	Microsoft OpenAI	∞ Meta	OVIDIA.	stability•ai	Startups, researchers, OSS contributors
Text / language	BERT, Bard (LaMDA), PaLM, GLaM, Chinchilla, Gopher	AlexaTM, Titan LLMs	MT-NLG, GPT-4 / ChatGPT (GPT-3.5)	OPT-175B, LLaMA	MT-NLG		Dolly, Claude, Jurassic- 1, Cohere, GPT-J, GPT- NeoX, BLOOM, Wu Dao 2.0, CTRL, Alpaca
Code	AlphaCode	Code-Whisperer	Copilot, CodeBERT, Codex				Replit, Polycoder, CodeGen, CodeT5
Image	lmagen, Parti , DreamBooth		Dall-E 2, CLIP, NUWA-Infinity	Make-a-scene, Dinov2	SPADE	Stable Diffusion	Midjourney, Waifu Diffusion
Speech & Music	WaveNet, MusicLM		Muzic, Whisper, Jukebox			Dance Diffusion	WaveGAN
Video	Imagen Video, Phenaki		NUWA-Infinity	Make-a-video			CogVideo
3D	DreamFusion, 3DiM		Point-E		Get3D , Magic3D		Motion Diffusion Model
							Proprietary Open source Private

LLMs

Unlock 2 new worlds

Generative AI in Software Platforms

How

to create Software

Generative AI in Business Applications

What

Software to create

HOW: Vision for Systems development

GeneXus [Vision] Our approach



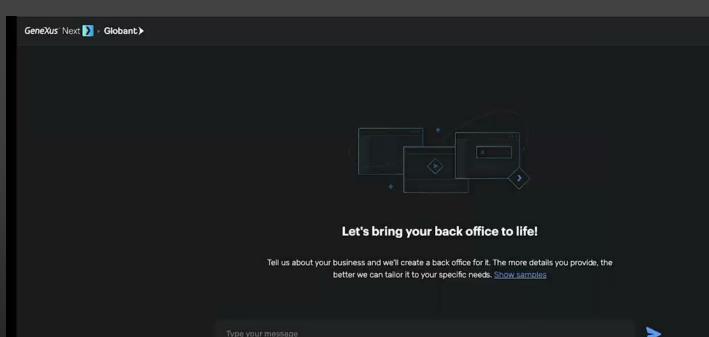
Programs



Describe what you need and let our Al Assistants and GeneXus deliver the solution for you.



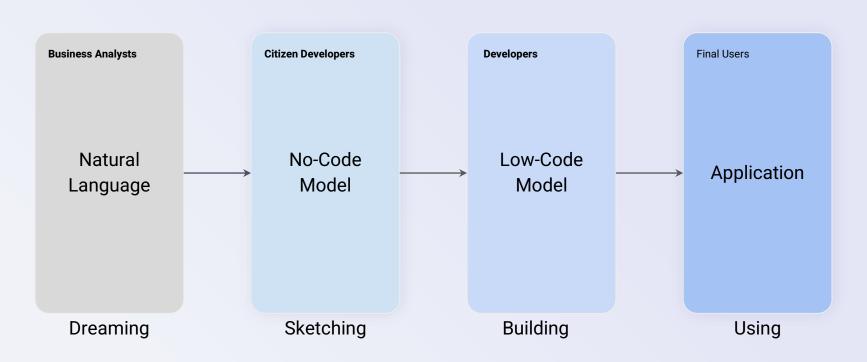
DEMO



armin@genexus.com =

Beyond No-Code and Low-Code

The vision for the creation and maintenance of systems

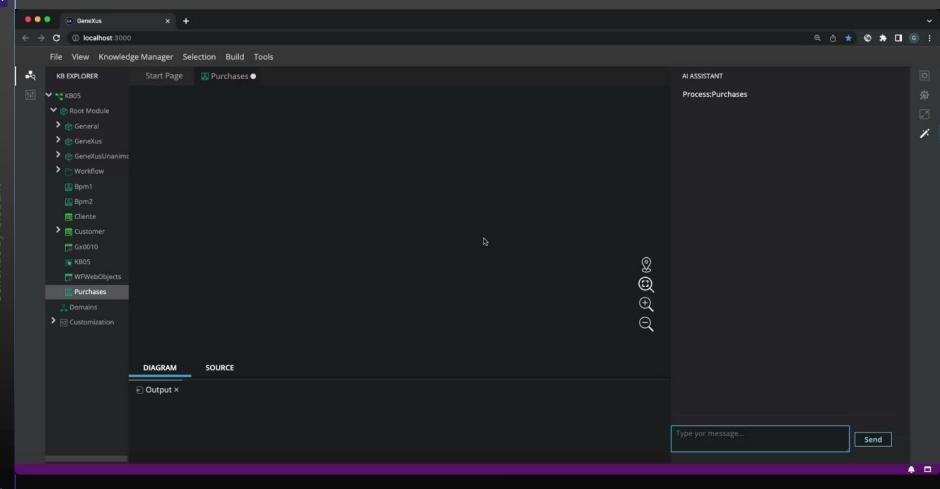


Assistants in IDEs

New IDEs with Assistants

GeneXus™

DEMO



Statement 1:

Proper use of **AI simplifies**Software Development.

Announcements:

GeneXus powered by Generative Al

- 1. Using AI, GeneXus will assist every team member in the whole lifecycle.
- 2. GeneXus will be used by more personas: Business Analysts, Citizen Developers.

LLMs

Unlock 2 new worlds

Generative AI in Software Platforms

How

to create Software

Generative AI in Business Applications

What

Software to create

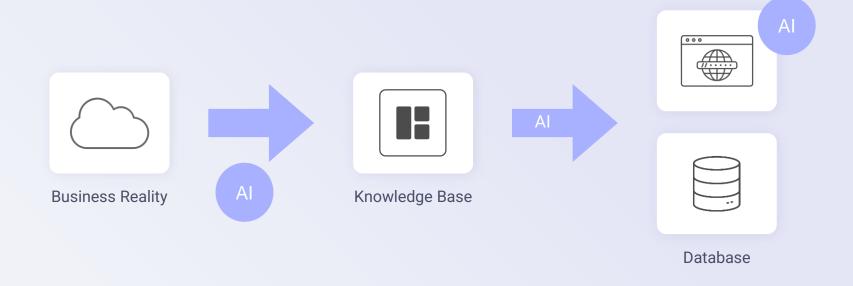
WHAT: Vision for Systems

What kind of systems

Do we need to create?

Al Enterprise Systems

GeneXus [Vision] All everywhere

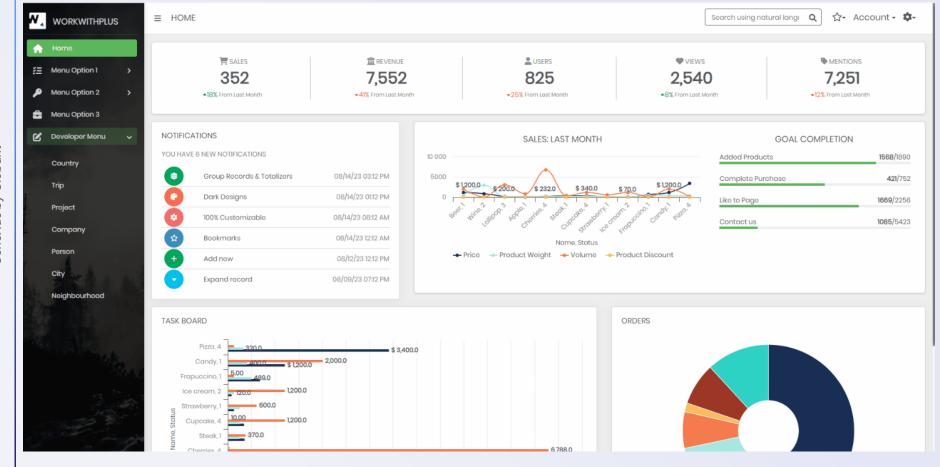


Programs

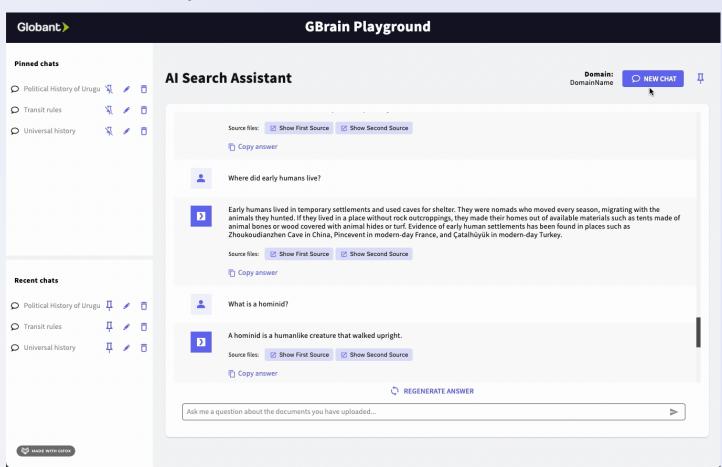
Intent based Navigation



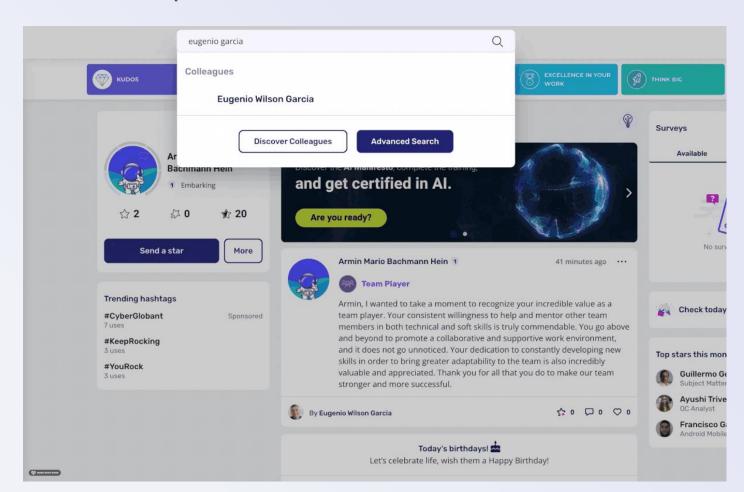
Intent based Navigation



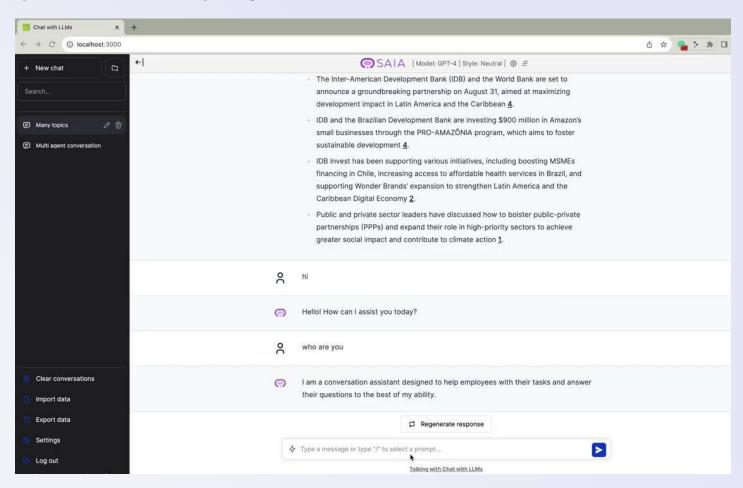
Chat with AI about your documents



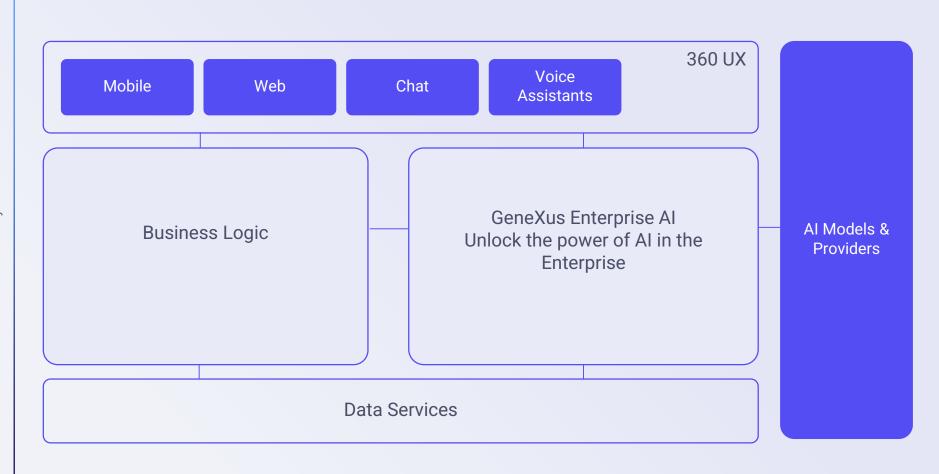
Power autocomplete



Enterprise Chat on Multiple Systems



Al Enterprise Systems

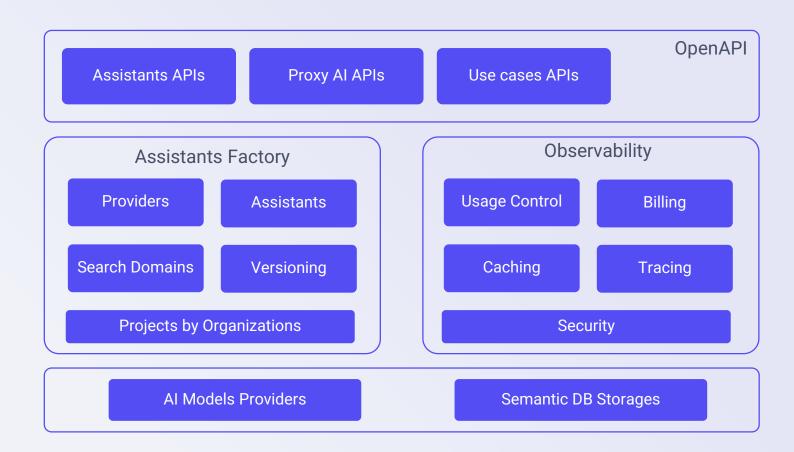


GeneXus Enterprise Al Demo

SAIA

The Spine of Al Applications

Understanding GeneXus Enterprise AI



Statement 1:

Proper use of Al simplifies Software Development.

Statement 2:

Proper use of Al simplifies any Software.

Announcements:

Enterprise Systems powered by Generative AI

- 1. GeneXus Enterprise AI is a new product of the GeneXus platform
- 2. This new product will simplify the use of LLMs in your Software System and Enterprise.
- 1. It will be part of the Software Systems you create with GeneXus.

Try GeneXus Next -



Summing up

GeneXusOur philosophy

A user centric approach

to development + Artificial Intelligence + Code Generation We believe that **code should be a consequence of user needs,** business
needs, processes and realities.

GeneXus

What our clients value

- Higher productivity
- Multi-Experience
- Agile, incremental approach
- Easier to learn
- * Future-proof

Takeaways

- Don't rely on code. Model and Generate using Al.
- * Build Al Enterprise Systems. Create an Al Enterprise.
- * Don't panic, but Run. Supercharge Business Innovation.



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