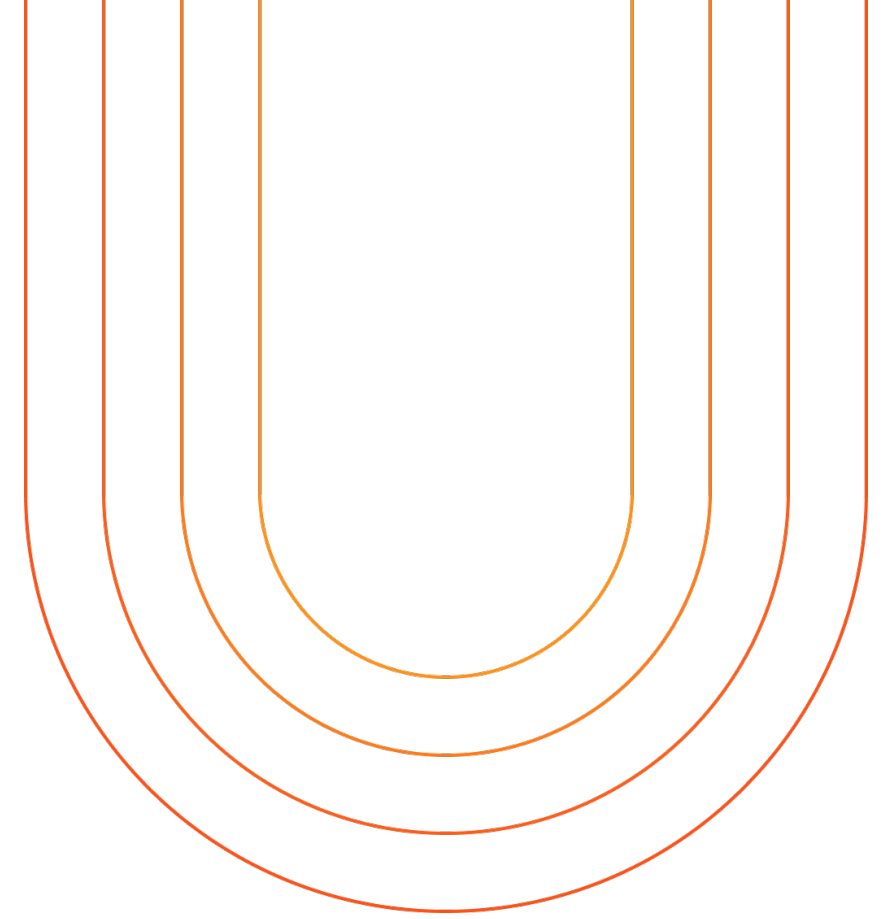


SAP Graph + SAPUI5

Simplify building apps in complex enterprise landscapes

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Florian Moritz, SAP
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Agenda

What is SAP Graph?

Demo SAP Graph + SAPUI5

What is **SAP** Graph?

Building Apps in complex Enterprise Landscapes

Enterprise landscapes expand in scale and complexity

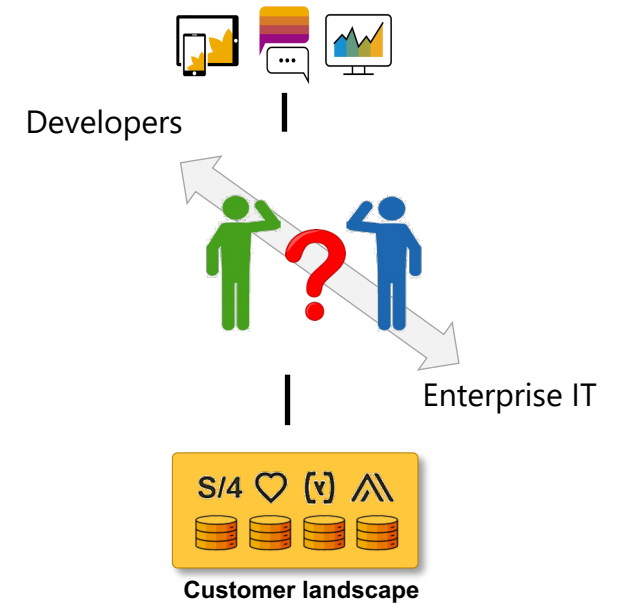
- Growing portfolio of SAP cloud solutions, providing more choice
- Various data models, security technologies, tools, APIs and protocols

Developers require ever more expertise and skills

- Understanding the enterprise landscape
- Where data lives, replications, leading systems
- Connectivity and security challenges
- Identifying and using the correct APIs

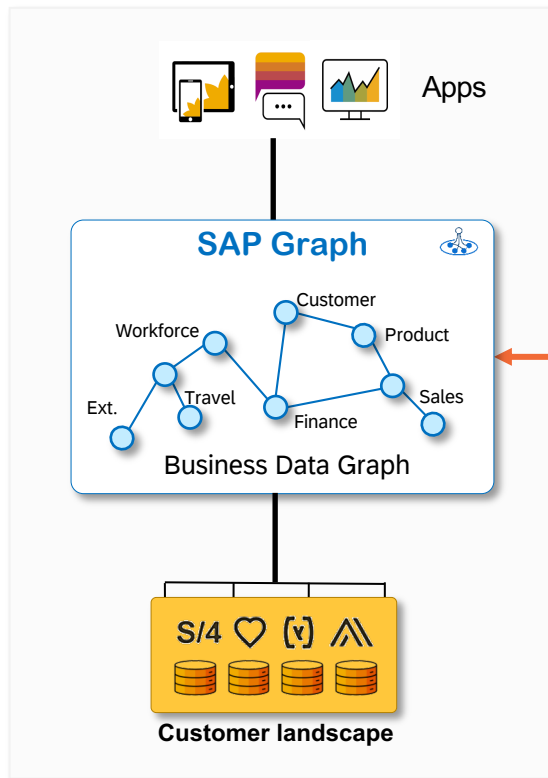
Applications become more complex

- Applications need to handle complexity of the underlying landscape
- Reusability / Portability of Applications between Enterprises becomes harder



SAP Graph

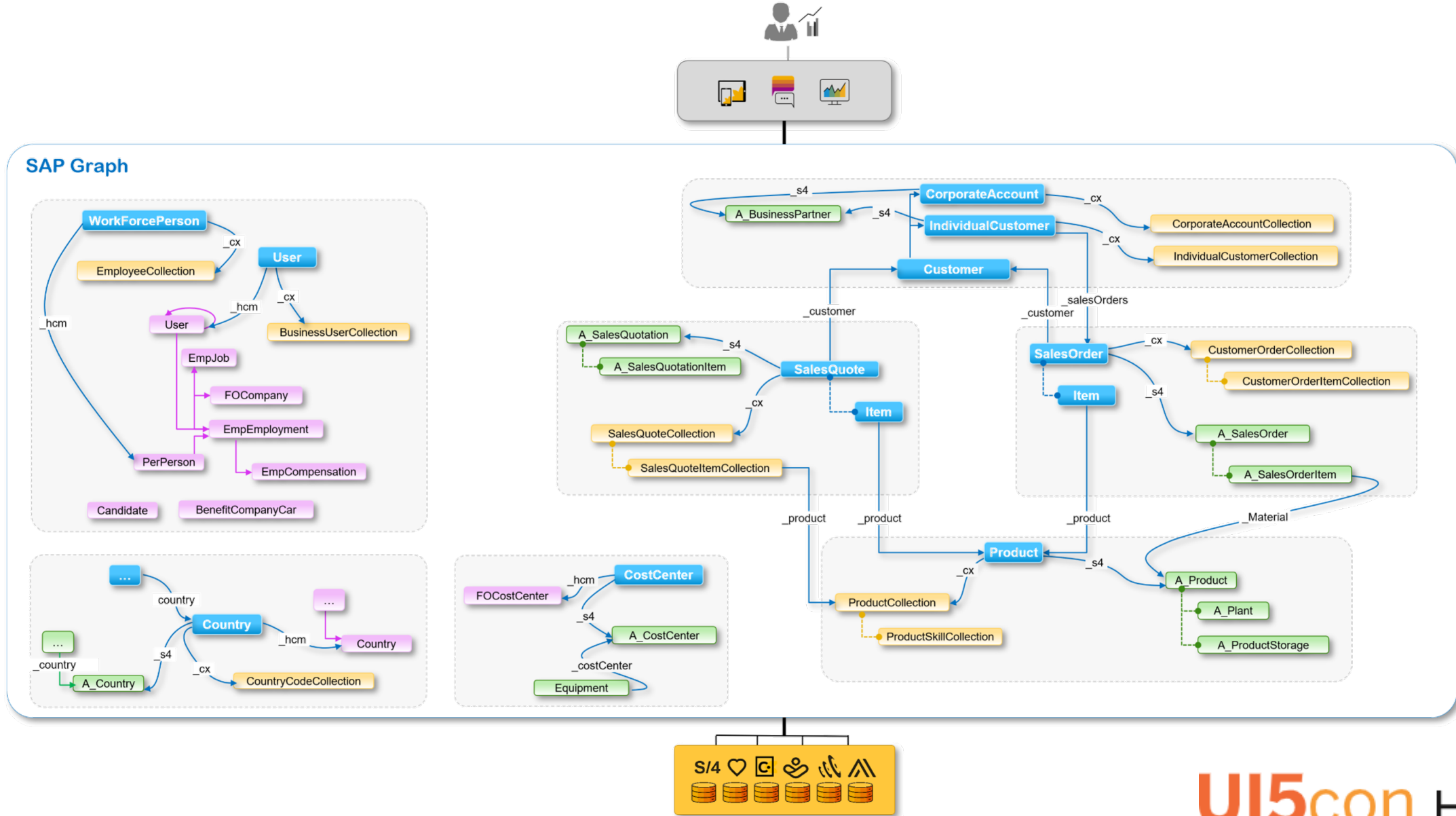
SAP Graph is a **new, unified API for SAP** to access all business data as a single, semantically connected, **Business Data Graph**



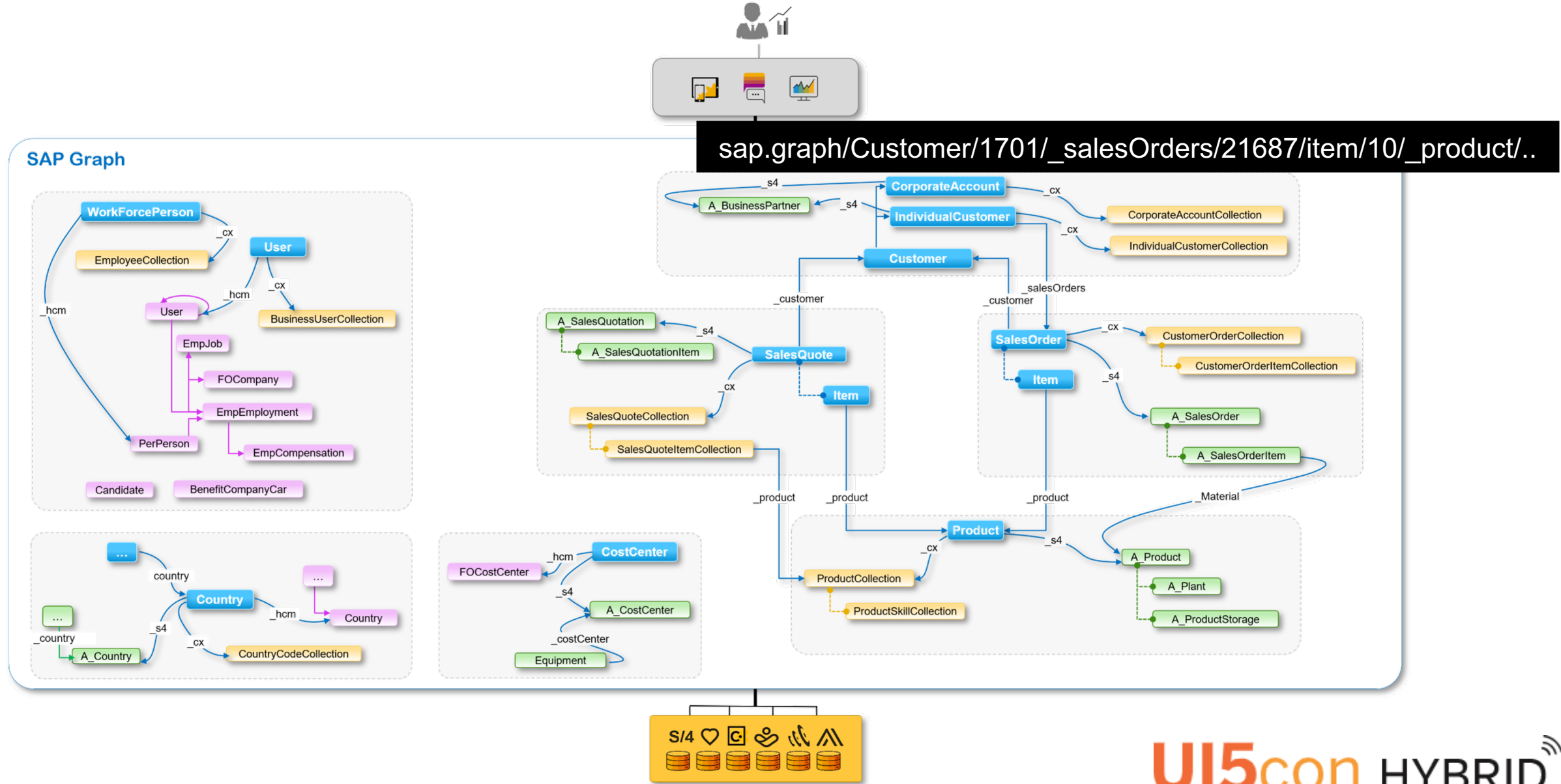
Developers can focus on the data, regardless of location

Enterprises can deploy reusable applications

Business Data Graph - a connected graph of the enterprise data



Business Data Graph - a connected graph of the enterprise data



SAP Graph for UI5 Developers

- **One API, One Connection**
- **One OAuth Authentication** - with Principal Propagation
- **One Protocol: OData v4**
- **Connected and unified Data Model** - custom extensions are available

How to use SAP Graph?

How to use Graph in UI5?

SAP Graph is a regular OData v4 service

- Applications use it like any other OData v4 service
- All that is required: URL to the Business Data Graph and Authentication Key

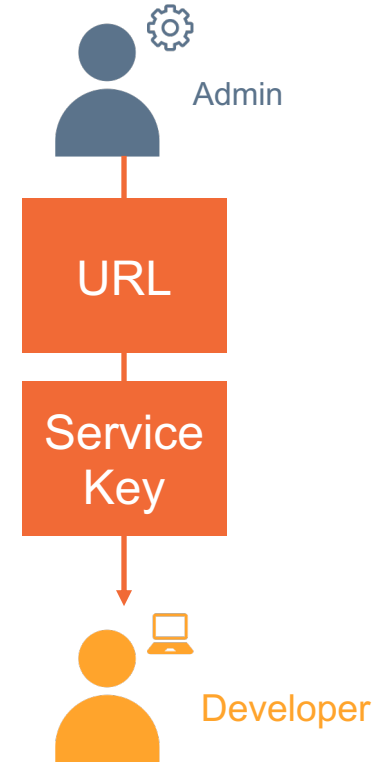
Prerequisite: URL to Business Data Graph

Admin: Create Business Data Graph

- Landscape is auto-discovered
- One-time step for the whole landscape
- Typically performed by Landscape Key Users / Admins

Developer: Connect to Business Data Graph

- Developers only require URL of the Business Data Graph and the service key for authentication



Demo SAP Graph + SAPUI5

Demo SAP Graph + SAPUI5

Setting:

- We wrote a SAPUI5 App that compares replicated data from two Systems
- SAP S/4HANA and SAP Sales Cloud
- Application implemented with and without SAP Graph

DEMO

How to get started?

Try it Out!

- SAP Graph is available for try out in Free Tier

Learn More

- <https://graph.sap>
- Find Documentation, Tutorials, Blogs and Videos
- See all data entities available in SAP Graph today

Send us your Questions and Feedback!

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Thank you!

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