

WELCOME
TO



JOIN THE
CONVERSATION
#ESPC24



Achieve More

WITH
MICROSOFT
365



59° 16' 43" N
18° 0' 55" E

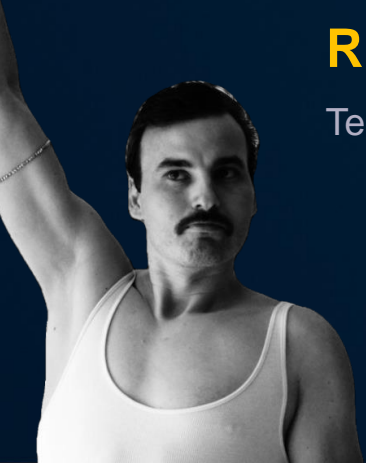
Stockholm24

Power Apps & Automate

Get started with the Power Platform on SharePoint

Robin Rosengrün

Technical Specialist, Microsoft Germany



Luise Freese

Azure & Power Platform Architect, m365princess.com



About Luise and Robin

Luise Freese

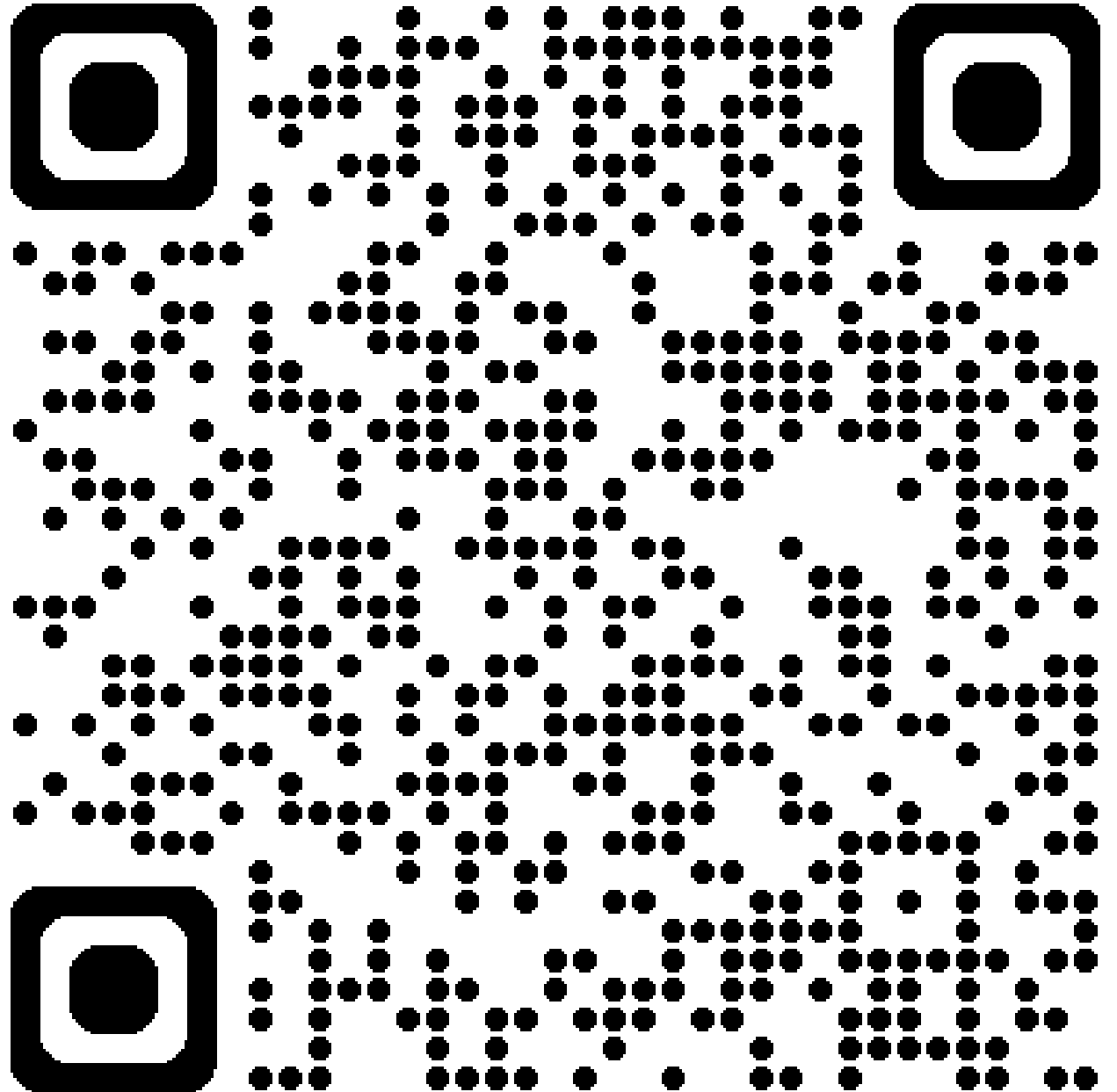
- Independent
Azure & Power Platform Architect
- Microsoft MVP in both
M365 Dev & BizApps
- Princess 👑, Punk at 💖,
Open-So(u)rceress 🧙‍♀️
- Blogs at m365princess.com
- linkedin.com/in/LuiseFreese
- @luisefreese.bsky.social
(Join us, all the kool kids are here)

Robin Rosengrün

- Technical Specialist @Microsoft
- Mechanical Engineer turned
Power Apps Magician ✨
- Speaks German, English and
SVG
- YouTube Channel @R2Power
(lots of German and some
English Power Platform content)

Housekeeping

- Wifi: ESPC24
- Password: espc-24!
- Github repository:
<https://github.com/LuiseFreese/PowerApps-ESPC24>



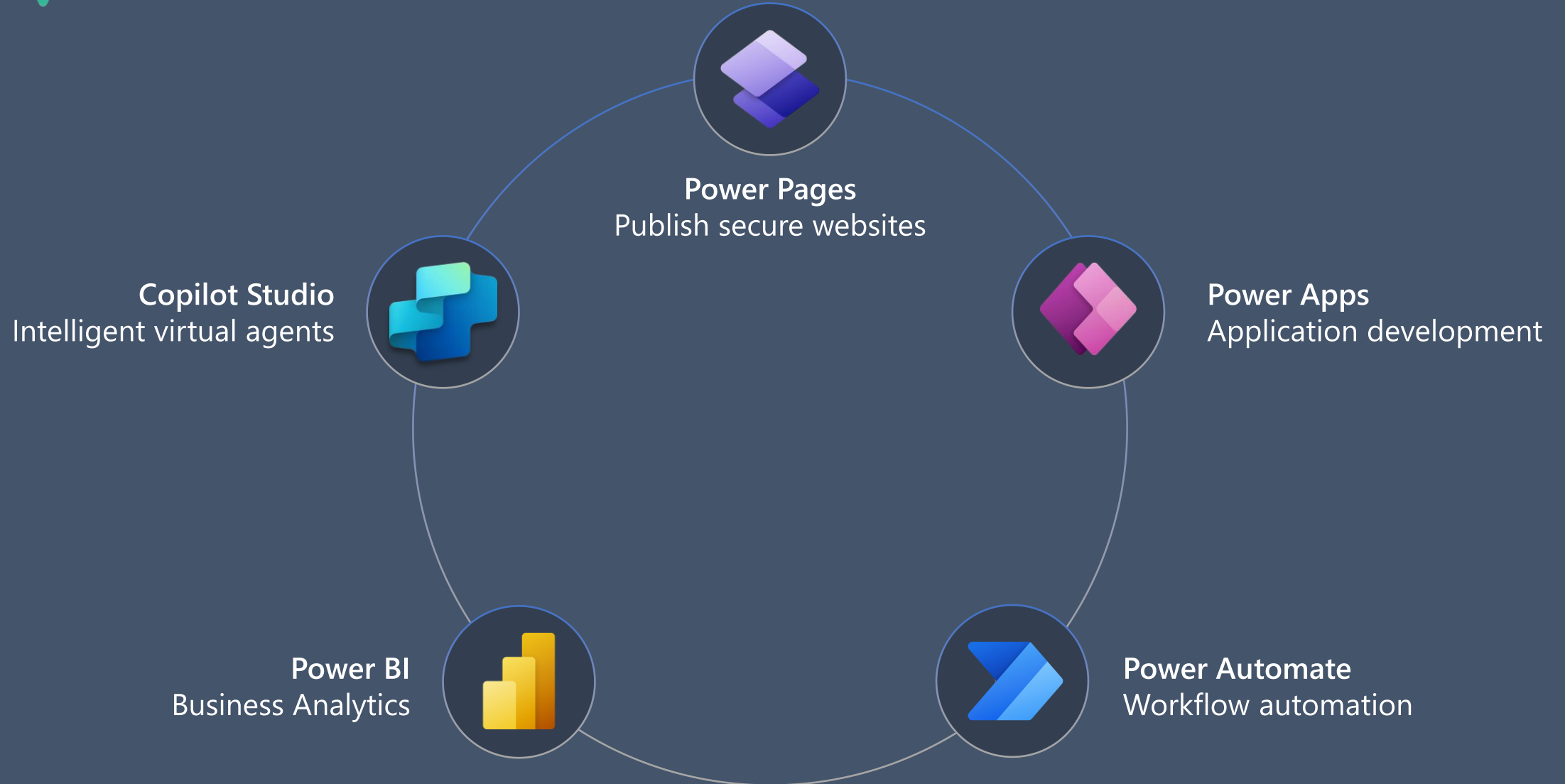
Agenda

Section	Duration	Activity
1. Introduction to Power Platform & SharePoint Integration	30 mins	Overview, goals, and setup.
2. Building SharePoint Lists	30 mins	Creating two SharePoint lists and establishing a lookup.
3. Introduction to Power Apps	30 mins	Basics of Power Apps Canvas Apps.
4. Building the Power App	1.5 hours	Creating the sign-up app with interactive exercises.
Break	15 mins	
5. Power Automate	2 hours	Create your first Power Automate flows
Break	15 mins	
6. Best Practices & Introduction to Dataverse	1 hour	Optimizing apps, flows, and Dataverse intro.
7. Q&A and Recap	30 mins	Open floor for questions, recap, and final remarks.

Intro to Power Platform



Microsoft Power Platform Overview



Intro to Power Apps

Model-Driven Apps

PROS

- Design standards
- Quick to create
- Lots of out of the box functionality

CONS

- UI could be more intuitive
- Deviating from standards immediately requires code (JS, PCF, Plugins)
- limited possibility to integrate external Datasources

Model-Driven Apps



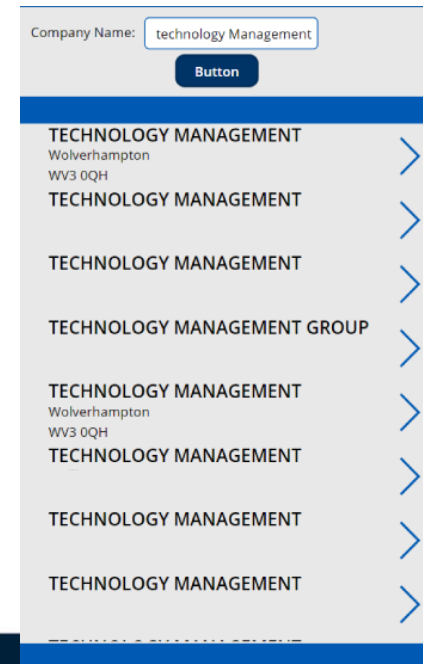
Canvas Apps

PROS

- Pixel perfect Apps
- Custom Logic with Low Code
- External Datasources / APIs

CONS

- Lots of work
- Most of the time they look like this:



Canvas Apps



Your opinion:

With what kind of app should you start your
Power Apps journey?

Canvas or Model-Driven?

Why are we doing Canvas Apps today?

Plese work on

Exercise 1

Intro to Power Automate





**3 kinds of triggers
+ 1.400 connectors
+ 0 cloud Infrastructure you have
to manage
= ∞ automation possibilities
For 0-15 €/month**

Plese work on

Exercise 1

Power Apps on SharePoint

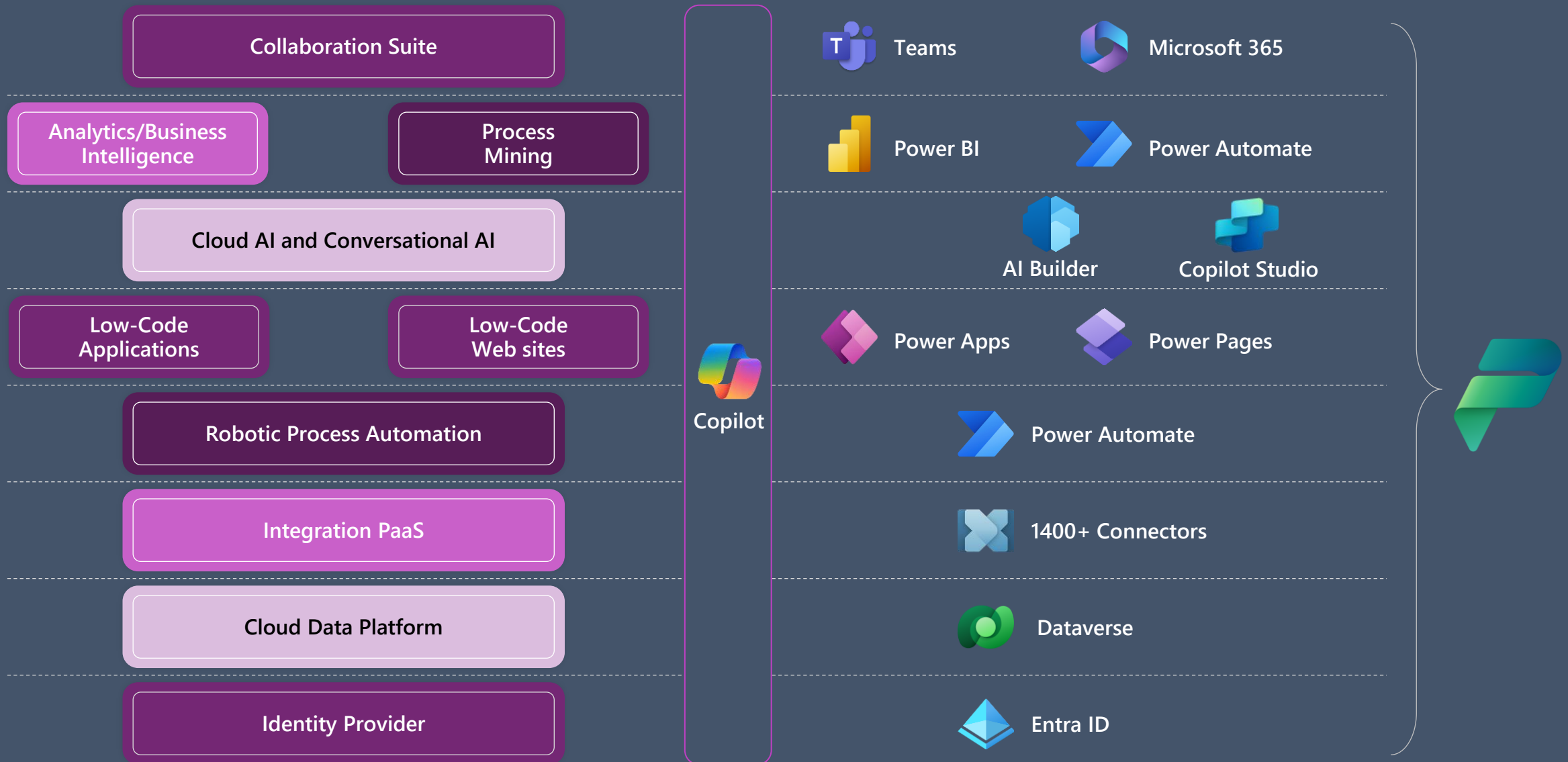




Microsoft Power Platform Overview



The Microsoft Approach – An Orchestrated Platform



Intro to Dataverse

What?

A **secure and scalable data platform** within Power Platform

Provides a **centralized repository for data** used in biz apps

Ideal for building low-code/no-code apps, workflows, and integrations

How?

Relational Data Storage

- Supports structured data with relationships and constraints

Built-in Security:

- Role-based access control
- data encryption
- compliance with global standards

Advanced Functionality

- business rules
- workflows
- AI insights

Integration: Seamless connection with Power Apps, Power Automate, Power BI, and Dynamics 365

Why?

Simplifies app development with prebuilt **tables** and schema

Enables advanced **data modeling** for business scenarios

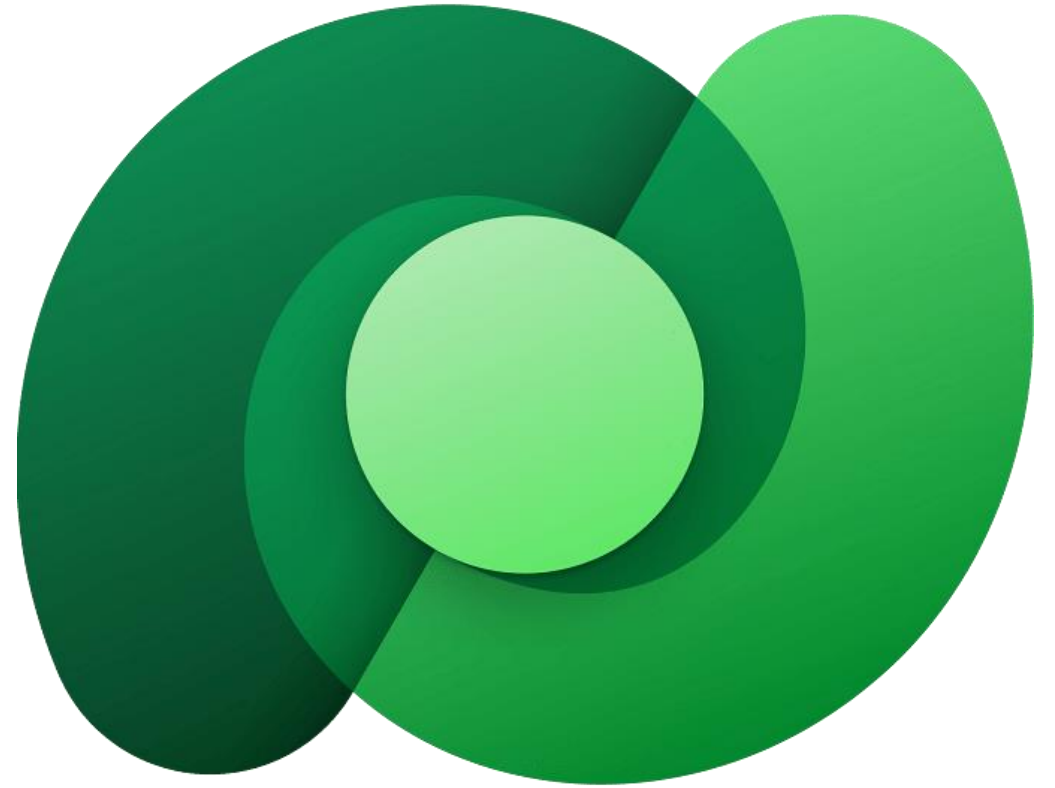
Interoperable across the Microsoft ecosystem and external systems

Reduces the need for custom databases or external storage solutions

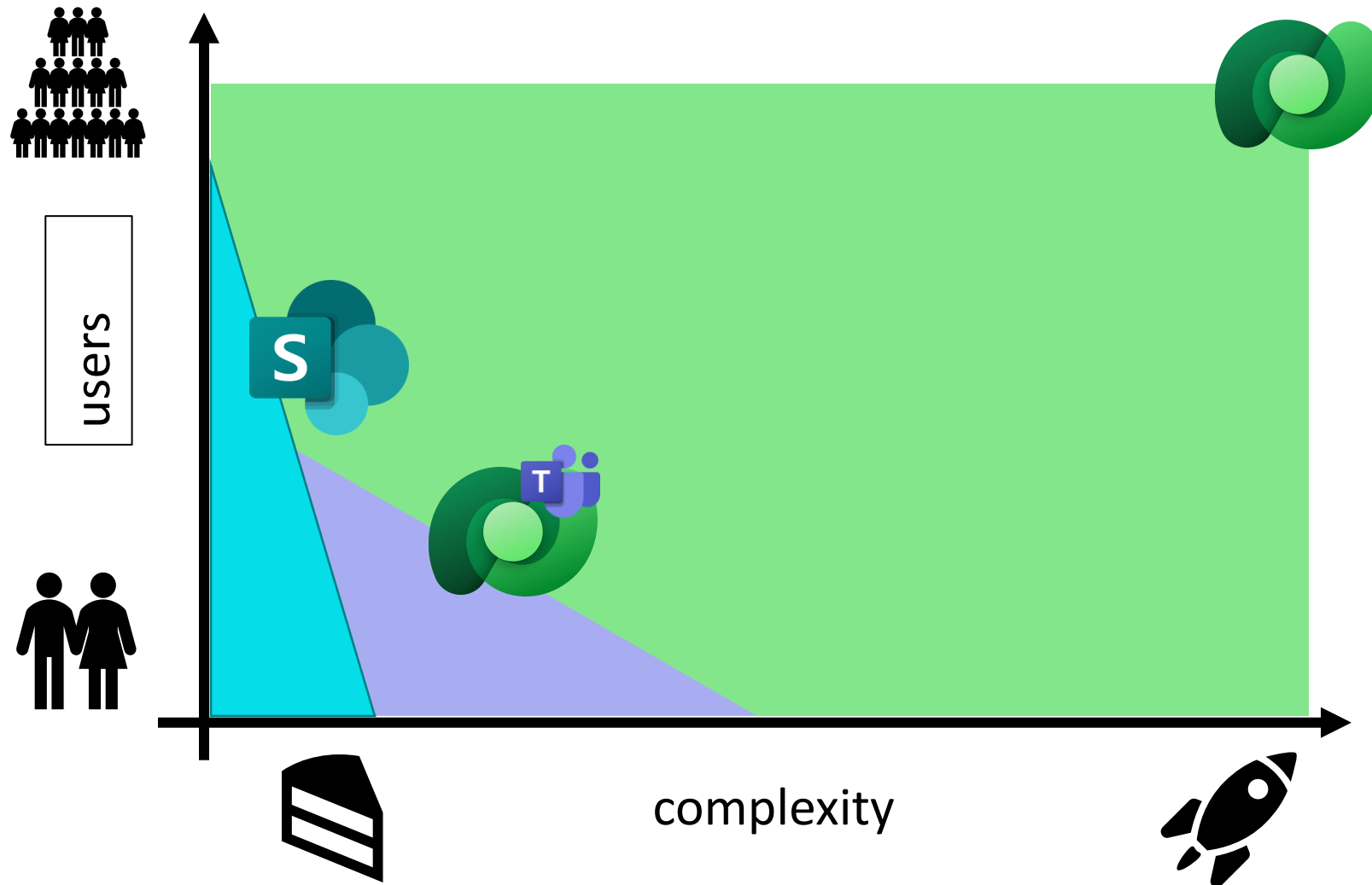
WHAT GIVES PEOPLE FEELINGS OF POWER



Discussion: SharePoint vs Dataverse



Discussion: When to use what



Comparison

Aspect	SharePoint Lists	Dataverse
Development Experience	Limited to lightweight apps; lacks advanced capabilities	Optimized for pro-dev and low-code development with robust APIs
Relational Database Support	No native support for complex relationships (limited to lookup fields).	Fully supports relational data with constraints, hierarchies, and relationships
Data Volume Handling	Limited scalability	High scalability for large datasets and complex operations
Security	Basic permissions (list and item-level security).	Enterprise-grade security with row-level access, role-based permissions, and encryption
Compliance	Meets basic compliance for document management; limited flexibility for industry-specific needs	Supports advanced compliance needs (GDPR, HIPAA, SOC, etc.) with data governance tools
Integration	Good for Office 365 apps but limited beyond that	Seamless integration with Power Platform, Dynamics 365, Azure, and external APIs
Automation	Basic automation through Power Automate; less flexibility	Advanced automation capabilities with workflows and AI integrations
Data Modeling	Basic; lacks support for business logic, calculated fields, and rules	Advanced data modeling with business rules, calculated/rollup fields, and relationships
Scalability	Designed for document-centric use cases; not optimized for high-performance apps	Built for enterprise-grade apps with optimized performance and scalability
Cost	Included in Microsoft 365 plans; cost-effective for small solutions	Requires licensing; higher upfront cost but more robust features

Our mission is to empower



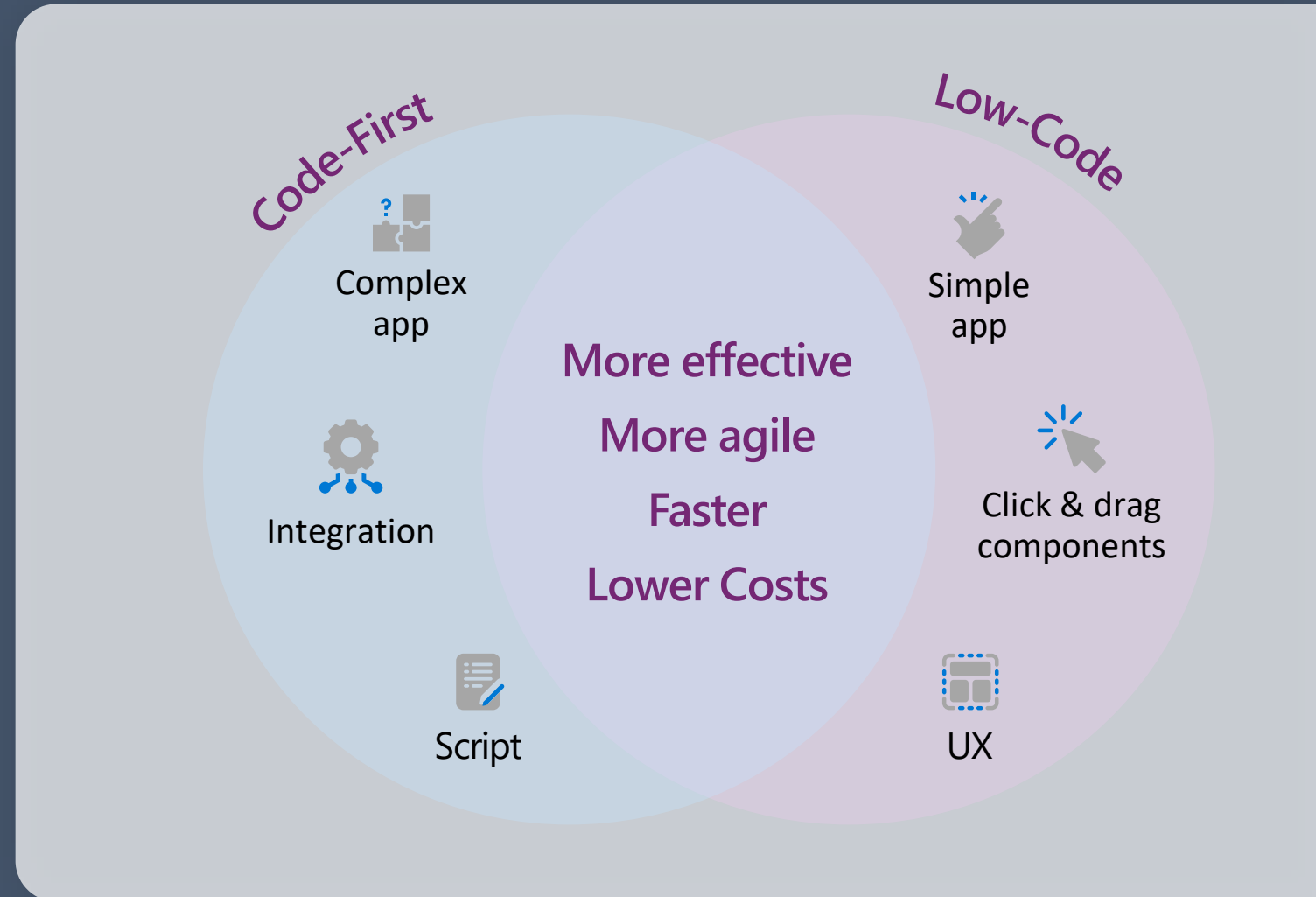
Every developer



Every level of the stack



Every solution



Control at scale

Security

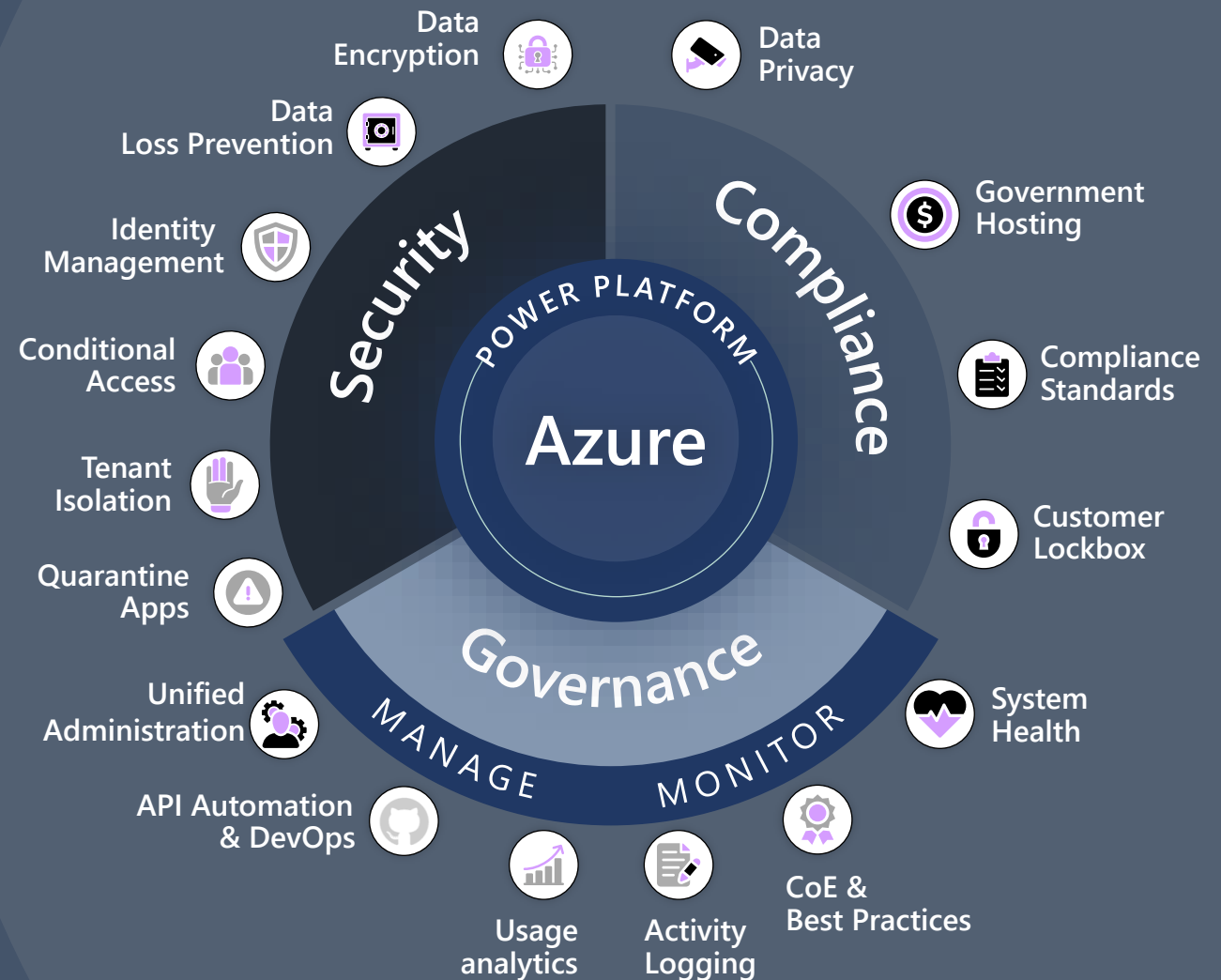
1B+ USD investment in security R&D and 3,500 cyber security experts

Compliance

Hosted in Azure and globally available with 90+ compliance offerings including CIS Benchmark, CSA STAR Self-Assessment, SOC 1 Type 2

Governance

Enterprise scale governance capabilities native part of the platform



Discussion

Our sessions at ESPC:

- **Robin: tomorrow 1 PM**
Azure GenAI Tech Stack – Azure Open AI and AI Search
- **Luise: tomorrow 3:30 PM**
Getting Your Organization Ready for Microsoft 365 Copilot



Please rate
this session
on the app

