Microsoft 365 meets Azure

Superpoteri per le tue soluzioni
sul Modern Workplace

Federico Porceddu
Microsoft MVP – Modern Workplace Solution Architect

Azure Meetup Casteddu
4 Novembre 2025

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Microsoft MVP - Modern Workplace Solution architect

M365 Microsoft MVP– 5th years
Areas: Copilot Extensibility, M365 Development
@ **Avanade** from 2011

PnP Community Contributor

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https://copilotespresso.com
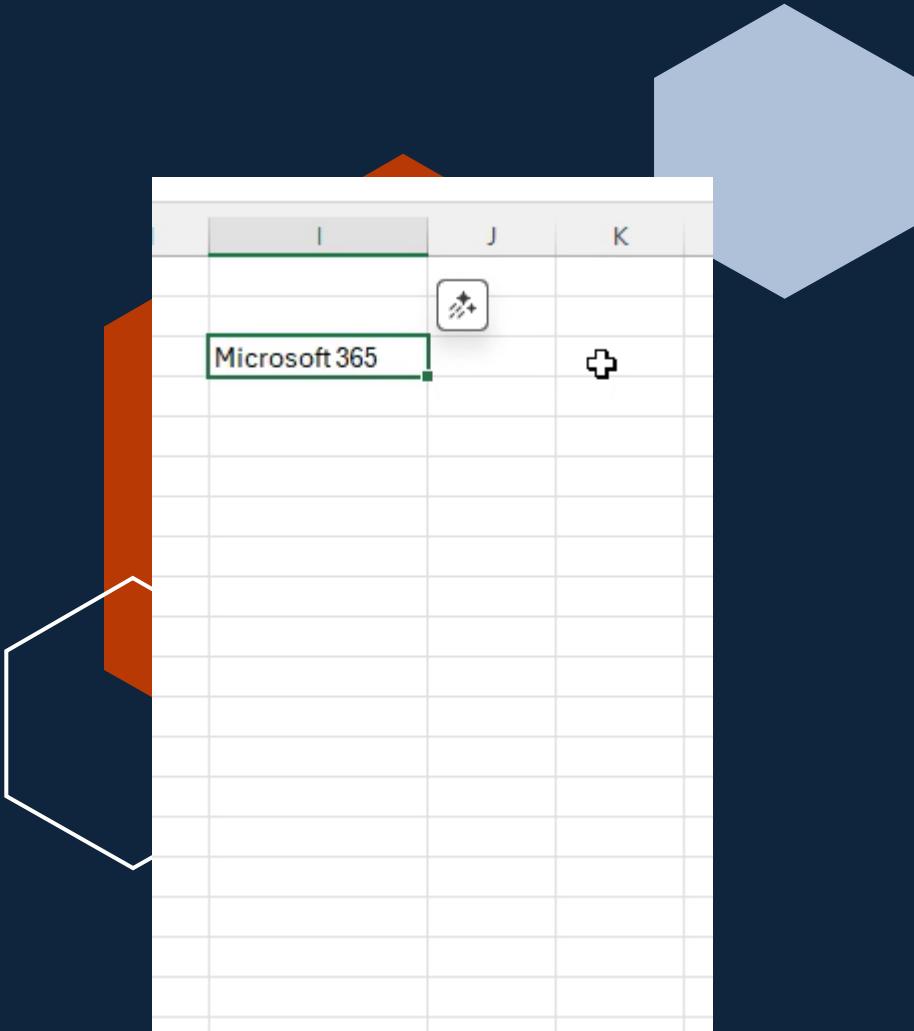
Copilot Espresso – Il Podcast

Agenda

- Microsoft 365 Overview

- Sviluppare applicazioni per Microsoft

- Graph + Identity

- Azure Services

- Demo time

- Q&A
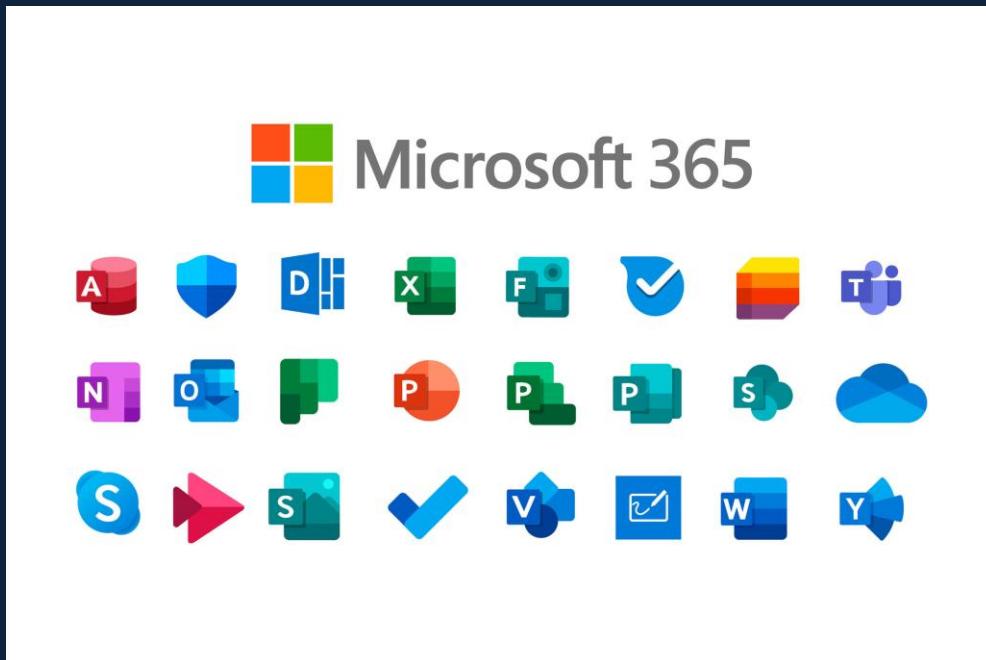
Microsoft 365

«Ok, voglio solo copiare 'Microsoft 365' nella colonna, niente di complicato...»

Utente medio di Excel

I 4 Pilastri di M365

- **Produttività**
- **Sicurezza e Compliance**
- **Intelligenza**
- **Estensibilità**

Microsoft 365 Enterprise
September 2025
m365maps.com

Office 365 E3

Enterprise Mobility + Security E3 (EMS E3)

Windows Enterprise E3

Microsoft 365 E3

Defender for Endpoint Plan 1
- Attack Surface Reduction (enhanced)
- Block at First Sight
- Centralized Management
- Cross-Platform Support
- Manual Response Actions
- Mobile Threat Defence
- Next Gen Protection
- Tamper Protection
- Web Content Filtering

- Clipchamp Standard
- Loop Workspaces

Office 365 E3 apps:
- Activity Reports
- Adoption Score
- Alert Policies
- Audit (standard)
- Basic Mobility & Security
- Bookings
- Compliance Manager
- Content Search
- Copilot Studio for Teams
- Data Loss Prevention
- Dataverse for Teams
- eDiscovery (standard)
- Entra ID for Office 365
- Exchange Online Plan 2
- Exchange Online Protection
- Graph Connector Capacity
- InfoPath App
- Information Protection for M365
- Message Encryption (basic)
- Microsoft 365 Apps for Enterprise
- Microsoft 365 Copilot Chat
- Microsoft 365 Mobile App
- Microsoft Forms
- Microsoft Lists
- Microsoft Places (core)
- Microsoft Search
- Microsoft To Do
- Microsoft Whiteboard
- Office for the Web
- OneDrive for Business Plan 2
- Planner for Office 365
- Power Apps for Office 365
- Power Automate for Office 365
- Productivity Server CAL
- Project & Roadmap View Access
- Retention Labels
- Retention Policies
- Secure Score
- SharePoint Online Plan 2
- Stream for Office 365
- Sway
- Teams Enterprise (optional)
- Teams Live Events
- Teams Town Halls
- Teams Webinars
- Visio for the Web
- Viva Connections
- Viva Engage
- Viva Insights - Personal (basic)
- Viva Learning (basic)

Entra ID Plan 1
- Administrative Units
- Advanced Security Reports & Alerts
- App Proxy, including PingAccess
- Cloud App Discovery
- Conditional Access
- Custom Security Attributes
- Customized Sign-In Page
- Dynamic Groups
- Enterprise State Roaming
- Entra ID Connect Health
- External ID
- Microsoft Identity Manager
- Multi-Factor Auth (MFA)
- Password Protection
- Passwordless Authentication
- Self-Service Group Management
- Self-Service Password Reset in AD
- Self-Service Activity Reports
- Service Level Agreement
- Shared Account Password Roll-Over
- Single-Sign-On to other SaaS
- SMS Sign-In
- Temporary Access Pass
- Tenant Restrictions
- Terms of Use
- Verified ID
- Windows Autopilot
- 3rd Party MFA Integration

Intune Plan 1
- Application Management
- Config Manager
- Device Management
- Endpoint Analytics

- Active Directory RMS
- Advanced Threat Analytics (retiring)
- Azure RMS
- Config Manager Endpoint Protection
- Information Protection
- Windows Server CAL Rights

Windows Enterprise E3:
- Always On VPN
- Application Control
- AppLocker
- App Assure
- Assigned Access
- Attack Surface Reduction
- BitLocker
- BitLocker to Go
- BranchCache
- Copilot in Windows
- Credential Guard
- Custom Logon
- Custom Shell
- Defender Antivirus
- DirectAccess (deprecated)
- Domain Join
- Edge for Business
- Entra ID Join
- Keyboard Filter
- LAPS
- Long Term Servicing Channel
- Manage by MDM
- MDOP (retiring)
- Persistent Memory
- Power Automate Attended Desktop Flows
- Resilient File System (ReFS)
- SMB Direct
- Unbranded Boot
- Unified Write Filter
- Universal Print
- Windows Autopatch
- Windows Conditional Access
- Windows Firewall
- Windows Hello for Business
- Windows Update for Business
- Windows Virtualization Rights
- 36 months support for Windows 11

Microsoft 365 E5 Step-up

Microsoft 365 E5 Compliance Add-on

- Office 365 Cloud App Security
- Power BI Pro
- Skype for Business Plus CAL
- Teams Audio Conferencing (full)
- Teams Phone
- Viva Insights - Personal (premium)

eDiscovery & Audit
- 3x Premium & Custom Compliance Templates
- Audit (premium)
- eDiscovery (premium)

Insider Risk Management
- 3x Premium & Custom Compliance Templates
- Comm Compliance
- Customer Lockbox
- Information Barriers
- Privileged Access Management

Information Protection & Governance
- Endpoint DLP
- Trainable Classifiers
- 3x Premium & Custom Compliance Templates
- Conditional Access for Sites
- Customer Key
- Data Lifecycle Management
- Double Key Encryption
- Exact Data Match
- Message Encryption (advanced)
- Records Management
- Rules-Based Classification (Office 365)
- Teams Data Loss Prevention
- Teams DLP & Export Graph API

- App Governance
- Defender for Cloud Apps
- Rules-Based Classification (Client & Scanner)

Microsoft 365 E5 Security Add-on

- Defender for IoT - eIoT (5 devices)
- Safe Documents
- Sentinel Benefit

Defender for Office 365 Plan 1
- Advanced Anti-Phishing
- Exchange Online Protection
- Real-Time Reports
- Safe Attachments
- Safe Links

Defender for Office 365 Plan 2
- Attack Simulation Training
- Automated Investigation & Response
- Campaign Views
- Compromised User Detection
- Teams Message Entity Panel
- Teams Message Quarantine
- Threat Explorer
- Threat Trackers

Entra ID Plan 2 Step-up
- Access Reviews
- Entitlement Management (basic)
- Entra ID Protection
- MFA Registration Policy
- Privileged Identity Management
- Risk-Based Conditional Access

- App Governance
- Defender for Cloud Apps
- Defender for Identity

Defender for Endpoint Plan 2 Step-up
- Advanced Hunting
- Automated Investigations
- Defender for Cloud Apps Integration
- Defender Vulnerability Management (core)
- Endpoint Attack Notifications (suspended)
- Endpoint Detection & Response
- Evaluation Lab
- Threat Analytics
- 6-Months Searchable Data

Office 365 E5 Step-up

Enterprise Mobility + Security E5 Step-up (EMS E5)

Windows Enterprise E5 Step-up

Microsoft 365 Enterprise Benefits

Microsoft 365 Related Services

September 2025

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Security & Compliance

Service	Description
10-Year Audit Log Retention	Built-in long-term storage of audit logging data
AccountGuard	Security services to support democratic institutions
Advanced Data Residency	Service migration and residency for additional workloads
Azure Automation	Automate Azure resource deployment and management
Azure Backup	Backup and restore supporting services & resources
Azure Bastion	Secure front door to manage your Azure supporting services
Azure Log Analytics	Query and analyse the data kept in Azure logs
Azure RBAC	Role Based Access Control secures Azure resources
Compliance Premium Assessments	Compliance Manager premium assessment templates
Cross-Tenant Migration	Migrate users directly from tenant to tenant
Defender CSPM	System hardening with Cloud Security Posture Management
Defender EASM	Continuously discover and map your external attack surface
Defender Experts for Hunting	Get Microsoft threat hunting experts working for you
Defender Experts for XDR	Managed detection and response service augments your SOC
Defender for Business	Advanced business endpoint security by Microsoft Defender
Defender for Business Servers	Defender server security for business customers
Defender for Cloud	Protect workloads across multi-cloud & hybrid environments
Defender for Servers	Comprehensive server and network protection features
Defender Threat Intelligence	Curated OSINT, threat intelligence, and insights
Defender Threat Intelligence API	API integration with Defender Threat Intelligence
Defender Vulnerability Management (premium)	Complete set of vulnerability tools and capabilities
Endpoint Privilege Management	Enables on-demand end-user privilege elevation
Insider Risk Management Forensic Evidence	Gain visual insights into insider data security incidents
Intune Suite	Advanced features for Intune managed devices
Microsoft 365 Archive	Move Microsoft 365 content to tiered storage for archiving
Microsoft 365 Backup	Intelligent, integrated backup option for Microsoft 365 content
Microsoft 365 Lighthouse	Multi-tenant control plane for Managed Service Providers
Microsoft Sentinel	AI-enhanced cloud-native SIEM
Microsoft Tunnel	Microsoft modern VPN service
Multi-Geo	Split a tenancy over multiple geographies
Remote Help	Help end users with remote session viewing and control
Security Copilot	AI assistance across Microsoft Security technologies
SharePoint Advanced Management	Enhanced security, management, and governance features

Communications

Service	Description
Azure Comm. Services	APIs for voice, video, chat, SMS, and email service integration
Calling Plans	PSTN telephony calling plans
Comms. Credits	Pooled minutes for calling plans, dial-out & tolled conferencing
Digital Contact Centre	A contact centre spanning Teams, Dynamics, Nuance, and Power Platform
EHR Connector for Teams	Connects Electronic Health Record systems to Teams
Microsoft eCDN	Enterprise Content Delivery Network for Teams Live Events
Teams Enterprise	Microsoft Teams as a stand-alone service
Teams Essentials	Microsoft Teams as a stand-alone service
Teams Operator Connect	Teams PSTN connection hosted as-a-service
Teams Phone Mobile	Single phone number across mobile, desk phone, and Teams
Teams Premium	Branding, pro-grade stream production, eCDN, AI, and custom policies
Teams Rooms	Enable meeting room devices

Extra Capacity

Service	Description
AI Builder Capacity	Extra capacity for AI Builder
Dataverse Storage	Additional Dataverse file, log, and database capacity
SharePoint Storage	Additional storage for SharePoint Online
Universal Print Jobs	Additional print jobs for the organisation come in packs of 500

Education

Service	Description
Azure Dev Tools for Teaching	Software dev tools for teachers and students
Class Notebook	Create and assign classroom material in OneNote

Employee Experience

Service	Description
LinkedIn Learning	Expert developed and curated learning content and portal
Viva Glint	Employee feedback, analysis, and insights platform
Viva Insights - Manager, Leader, Analyst	Analyse workplace trends and drive efficiencies
Viva Learning (premium)	Complete learning experience platform inside Teams
Viva Pulse	Quickly and easily gather and act on employee feedback
Viva Suite	Combines Glint, Insights, Learning, and Topics

Support Services

Service	Description
ProDirect Support for Azure	Azure support for Medium to Large companies
ProDirect Support for Dynamics 365	Dynamics 365 support for Medium to Large companies
ProDirect Support for Microsoft 365	Microsoft 365 support for Medium to Large companies
Unified Support	Enterprise support across all Microsoft technologies

Power Platform

Service	Description
AI Builder	Use AI models to automate process and generate insights
Microsoft Dataverse	Services for low-code app-dev on top of Microsoft 365
Power Apps	Complete low-code/no-code app-dev platform
Power Automate	Advanced process automation features
Power Automate Process Mining	Analyses business process to assist in improving automation
Power BI Premium	More capacity and scale for business intelligence
Power Pages	Create secure, low-code business websites
Power Virtual Agents	Create intelligent agents and bots

Companion Products & Services

Service	Description
App Assure	App compatibility assistance included with various plans
Azure Virtual Desktop	Virtual desktops and apps in a cloud pay-to-consume service
Clipchamp Standard	Easy to use online video editing tool
Drive Shipping for PST import	Send PST files to Microsoft on SSD or SATA HDD
Dynamics 365 Customer Voice	More sophisticated surveys and customer feedback
Microsoft Industry Clouds	Tailored solution packages for industry verticals
Microsoft 365 Dev Program	Developers get a sandbox environment and other benefits
Planner and Project	Project and portfolio management tools
SharePoint Embedded	Use SharePoint content management for custom app dev
Visio Online	Diagramming, flow charting, vector graphics, and data visualisation tool
Windows 365 Business	Windows desktop as a cloud subscription service for business
Windows 365 Enterprise	Windows desktop as a cloud subscription service for enterprise
Windows 365 Frontline	Windows desktop as a cloud subscription service for frontline
Workplace Discount Program	Employee discounts on Microsoft 365 and Surface devices

Automation & Intelligence

Service	Description
Document Processing for Microsoft 365	Content AI knowledge extraction and analysis
Microsoft Copilot	Generative AI chat for consumers
Microsoft 365 Copilot	Generative AI assistance across Microsoft 365
Microsoft 365 Copilot Chat	General purpose generative AI chat feature of Microsoft 365 Copilot
Microsoft 365 Copilot for Sales	Generative AI assistance across sales CRM systems
Microsoft 365 Unattended RPA	Unattended Robot Process Automation with Microsoft 365

Microsoft Entra

Service	Description
Entra Domain Services	Adds Active Directory Domain Services like functions to Entra ID
Entra External ID	Connect to external business and consumer identities
Entra ID	Multi-cloud and on-premises identity and access control
Entra ID Governance	Simple, consolidated identity governance functionality
Entra ID Protection	Identify and address identity-based risks
Entra Internet Access	Secure Web Gateway that joins content filtering with conditional access
Entra Permissions Management (retiring)	Find and fix permissions risks with a CIEM solution
Entra Private Access	Zero Trust Network Access solution to connect users to resources anywhere
Entra Verified ID	Decentralized identity verification included in all Entra ID plans	
Entra Workload ID	Secure and manage identities for apps and services

Microsoft Purview

Service	Description
Data Catalog	Browse, search, and manage data assets within the data map
Data Estate Insights	Understand the data landscape to aid in good governance
Data Policy	Manage data access policies across the estate
Data Map	Scan and identify assets across the data estate into a data graph

Microsoft Priva

Service	Description
Privacy Risk Management	Identify & remediate privacy risks in Microsoft 365
Subject Rights Requests	Automation, insights, and workflows for data subject inquires

Microsoft 365 Copilot
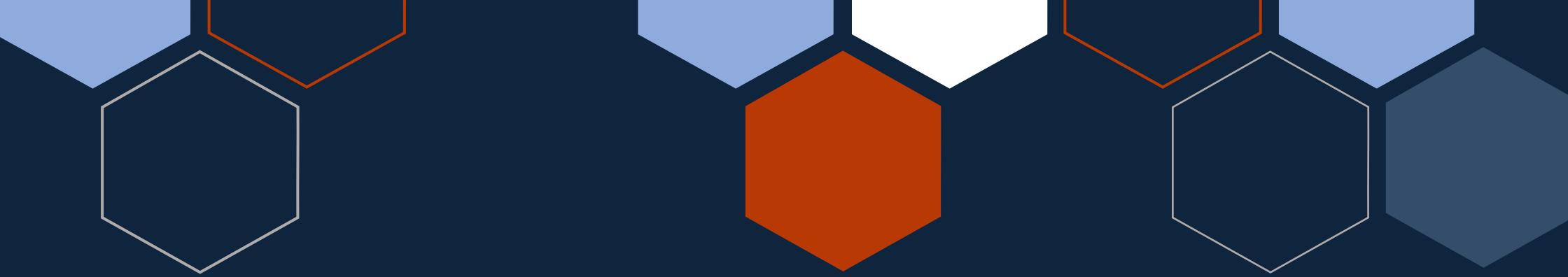
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Microsoft 365 Copilot

Copilot Actions	Copilot Chat (Work)	Copilot Dashboard	Copilot in Excel	Copilot in Forms	Copilot in Loop	Copilot in OneDrive	Copilot in OneNote
Copilot in Outlook	Copilot in Planner	Copilot in PowerPoint	Copilot in SharePoint	Copilot in Stream	Copilot in Teams	Copilot in Whiteboard	Copilot in Word
Copilot Prompt Gallery	Graph and Connector Access Included	Intelligent Recap	Intelligent Search	Microsoft 365 Agents	Microsoft Places (additional)	SharePoint Advanced Management for Copilot	SharePoint Agents
Viva Insights - Manager, Leader, Analyst	Viva Pulse for Copilot						

Copilot Chat (Web)	Copilot Chat in Excel	Copilot Chat in OneNote	Copilot Chat in Outlook	Copilot Chat in PowerPoint	Copilot Chat in Word	Copilot Code Interpreter	Copilot File Upload
Copilot Image Generator	Copilot Pages	Create Agents	Graph Access in Agents (metered)	Graph Connectors in Agents (metered)			

Microsoft 365 Copilot Chat

https://m365maps.com/

Tenant storage calculator
Product name changes
Compare diagrams
Saved diagrams
Feature matrix
Feature maps
Change log
Downloads
Knowledge
Glossary

Sviluppare applicazioni per Microsoft 365

"Developers, Developers, Developers"

Steve Ballmer

Sviluppo su Microsoft 365: Ambiti e Tecnologie

Il vero cambio di paradigma: M365 non è solo un insieme di app da usare, ma una piattaforma su cui costruire soluzioni business-critical.
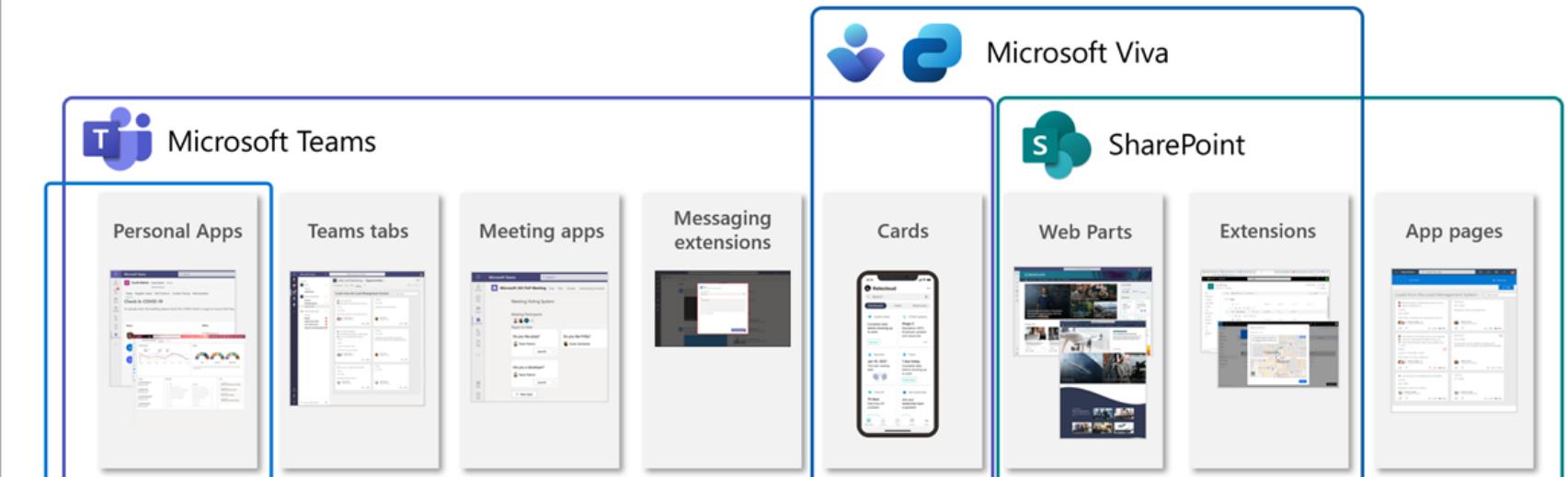
Ogni utente di M365 nella vostra azienda è un potenziale utilizzatore delle vostre custom solution. 321 milioni di utenti M365 nel mondo = 321 milioni di potenziali users!

Ambito	Cosa puoi costruire	Tecnologie principali
SharePoint	Intranet, portali aziendali, applicazioni business	SPFx, Hub Sites, Syntex
Teams	App collaborative, bot, automazione dei flussi	Teams Apps, Adaptive Cards
Office	Automazione dei task, integrazione con i dati	Office Add-ins, VSTO
Viva	Soluzioni per l'esperienza dei dipendenti	Viva Connections, Adaptive Card Extensions (ACEs)
Copilot	Agenti AI, plugin personalizzati	Declarative Copilot, API plugins, Copilot Connectors
Power Platform	App low-code, analisi dati, automazione	Power Apps, Power BI, Dataverse

Introducing SPFX SharePoint Framework

Building SPFx experiences in Microsoft 365
The easiest way to build your enterprise solutions for Microsoft Teams, Microsoft Viva, Outlook, Microsoft 365 app and SharePoint
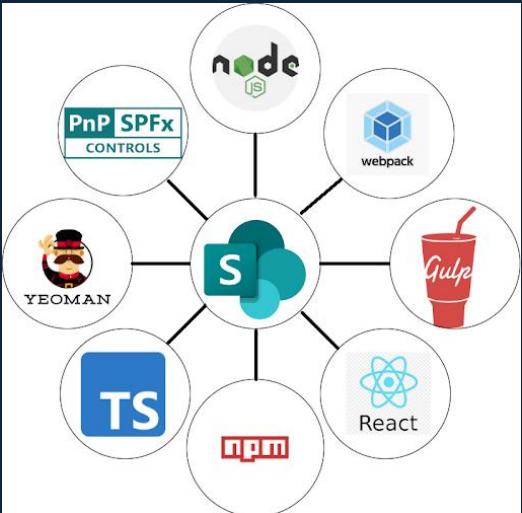
Content driven applications | SSO | Automatic code hosting | Industry standard tooling

SPFx Toolchain


```
λ yo @microsoft/sharepoint --plusbeta

      .--------.
     |          |
     |--(o)--   |    .----------------------------.
     `---------´    |    Welcome to the          |
    ( _´U`_ )        |  SharePoint Client-side    |
    /___A___\        |   Solution Generator       |
    |  ~  |          `----------------------------´
  __'.___.'__
 ´   `  |°  Y `

Let's create a new SharePoint solution.
? What is your solution name? query-suggestion
? Which baseline packages do you want to target for your component(s)? SharePoint Online only (latest)
? Where do you want to place the files? Use the current folder
Found npm version 6.11.3
? Do you want to allow the tenant admin the choice of being able to deploy the solution to all sites immediately
 without running any feature deployment or adding apps in sites? No
? Will the components in the solution require permissions to access web APIs that are unique and not shared with
 other components in the tenant? No
? Which type of client-side component to create? Extension
? Which type of client-side extension to create? Search Query Modifier
Add new Search Query Modifier to solution query-suggestion.
? What is your Search Query Modifier name? MyQueryExtension
? What is your Search Query Modifier description? My first query extension
```


Microsoft 365 Agents Toolkit

Microsoft ✔ microsoft.com | ⬇ 317,595 | ★★★☆☆ (37)

Create, debug, and deploy agents with Microsoft 365 Agents Toolkit

Install ☑ Auto Update ⚙

DETAILS   FEATURES   CHANGELOG   DEPENDENCIES


PnP SPFx

SharePoint Framework

Toolkit
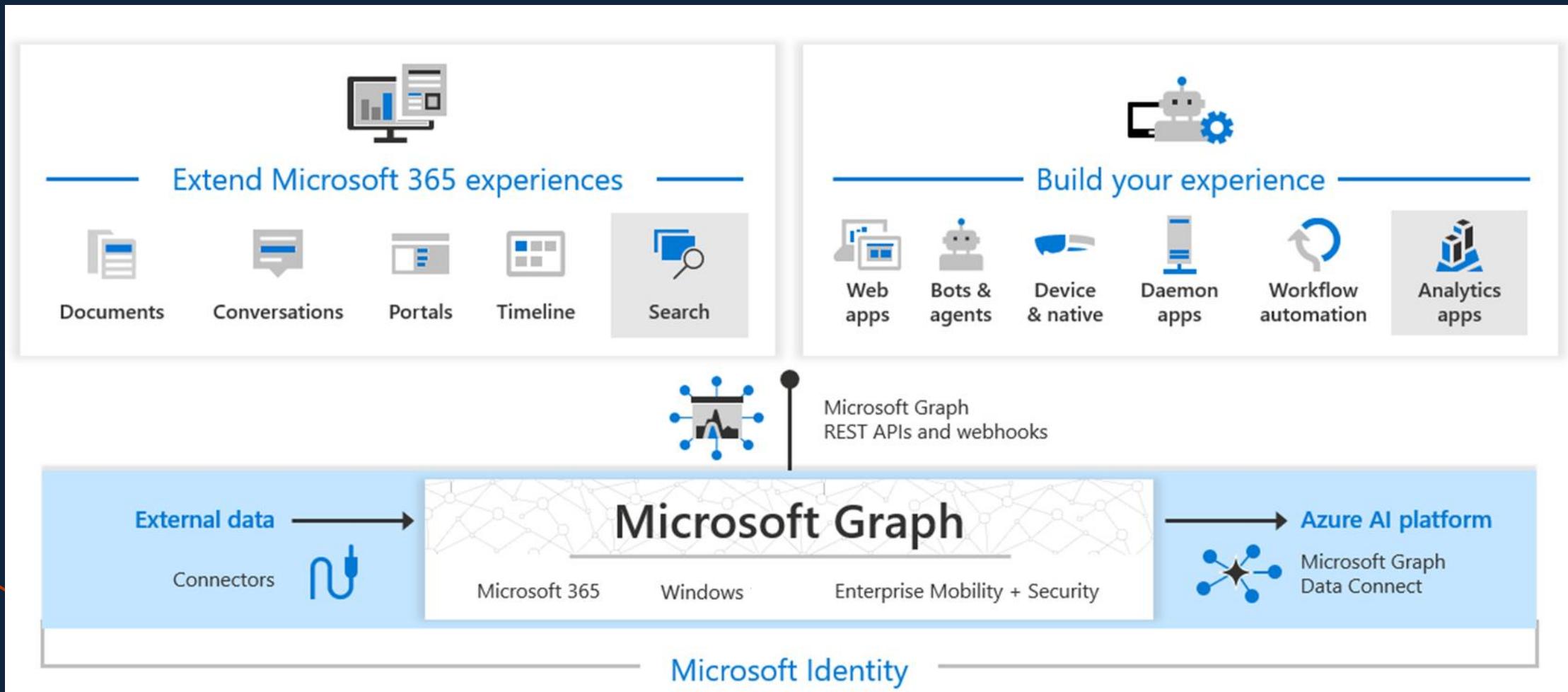
Graph + Identity

"Chi siete? Cosa Portate? Si ma quanti siete? Un Fiorino!"
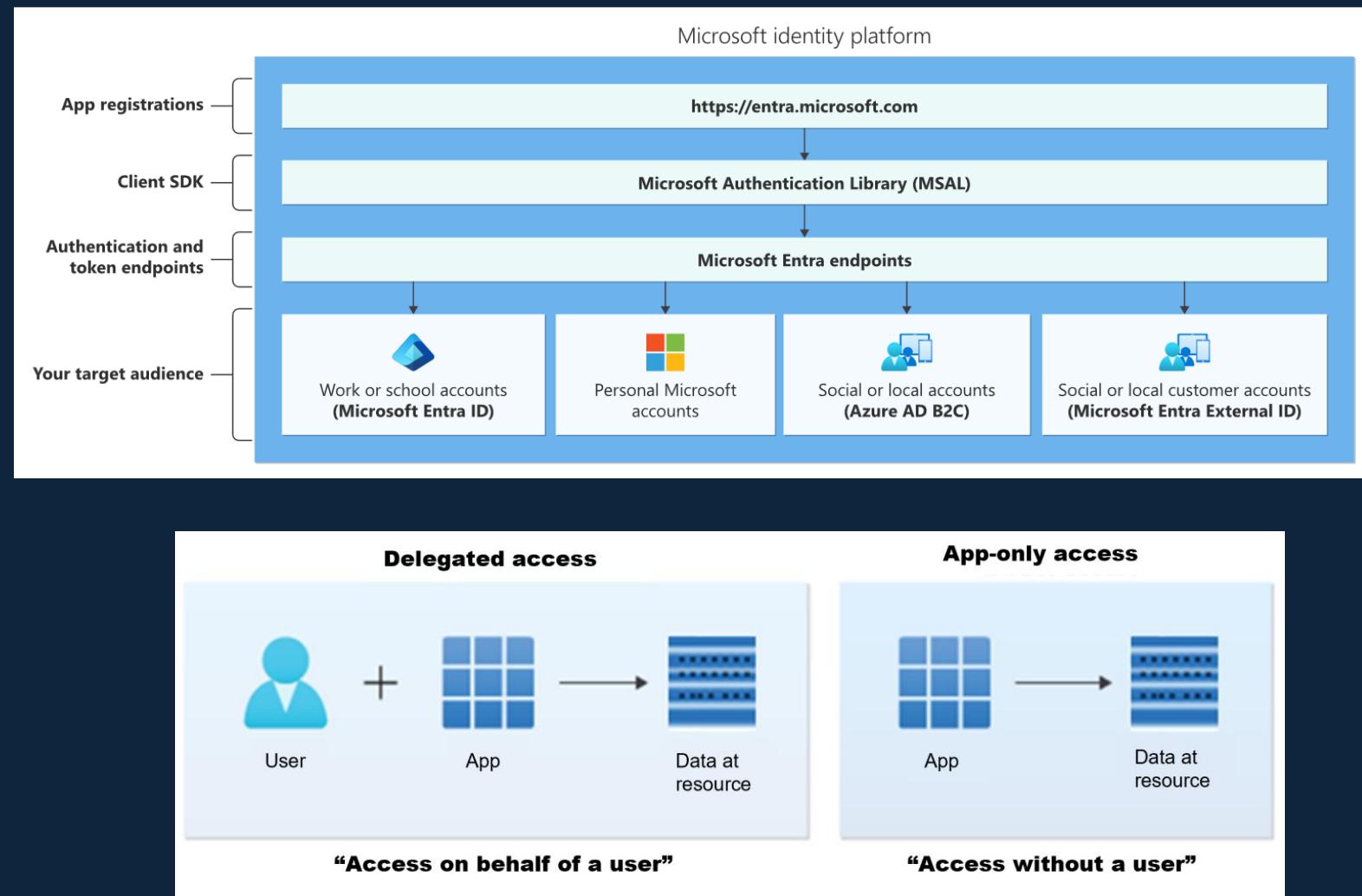
Il doganiere in "Non ci resta che piangere"

Microsoft 365 Platform

Extend Microsoft 365 experiences

Documents | Conversations | Portals | Timeline | Search

Build your experience

Web apps | Bots & agents | Device & native | Daemon apps | Workflow automation | Analytics apps

Microsoft Graph
REST APIs and webhooks

External data → **Microsoft Graph** → Azure AI platform

Connectors

Microsoft 365 | Windows | Enterprise Mobility + Security

Microsoft Graph Data Connect

Microsoft Identity

Microsoft Identity Platform
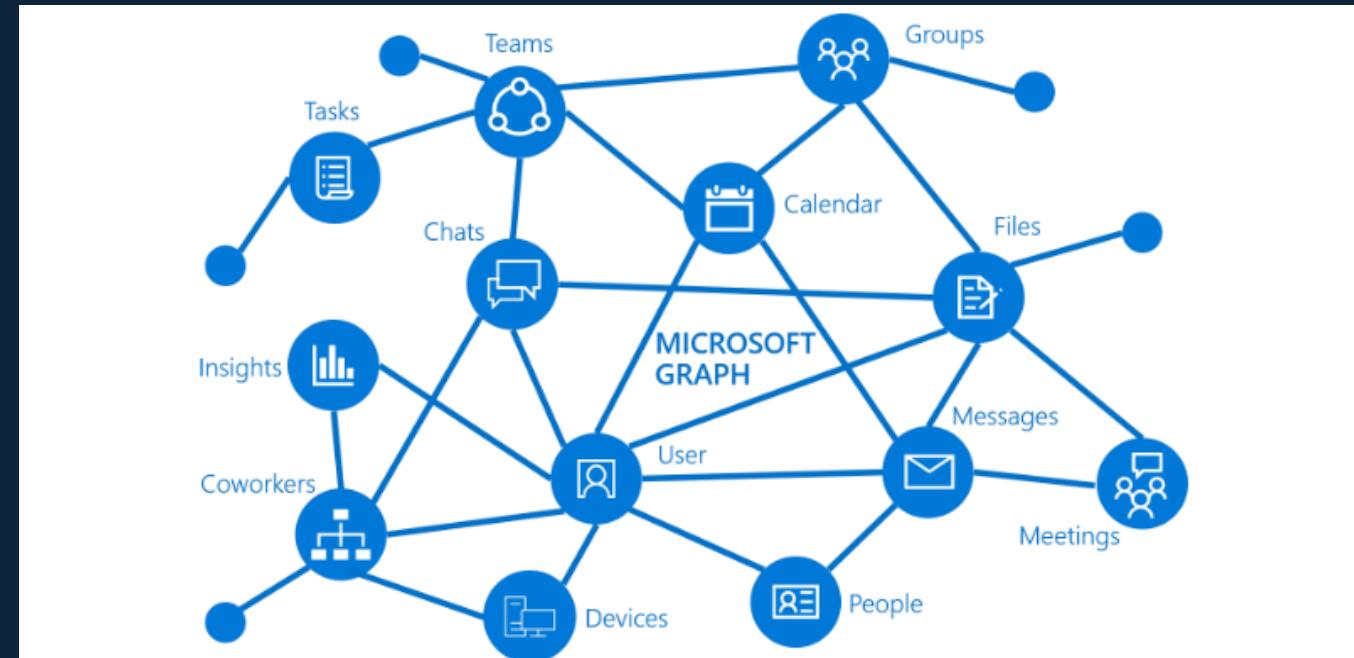
- **Componenti principali:**
  - App Registrations
  - Microsoft Entra Endpoints
- **Tipi di account supportati:**
  - Account aziendali o scolastici (Microsoft Entra ID)
  - Account personali Microsoft
  - Account social o locali (Azure AD B2C)Account esterni (Microsoft Entra External ID)
- **Modelli di accesso:**
  - Delegated Access: L'app agisce per conto dell'utente.
  - App-only Access: L'app accede alle risorse senza utente.
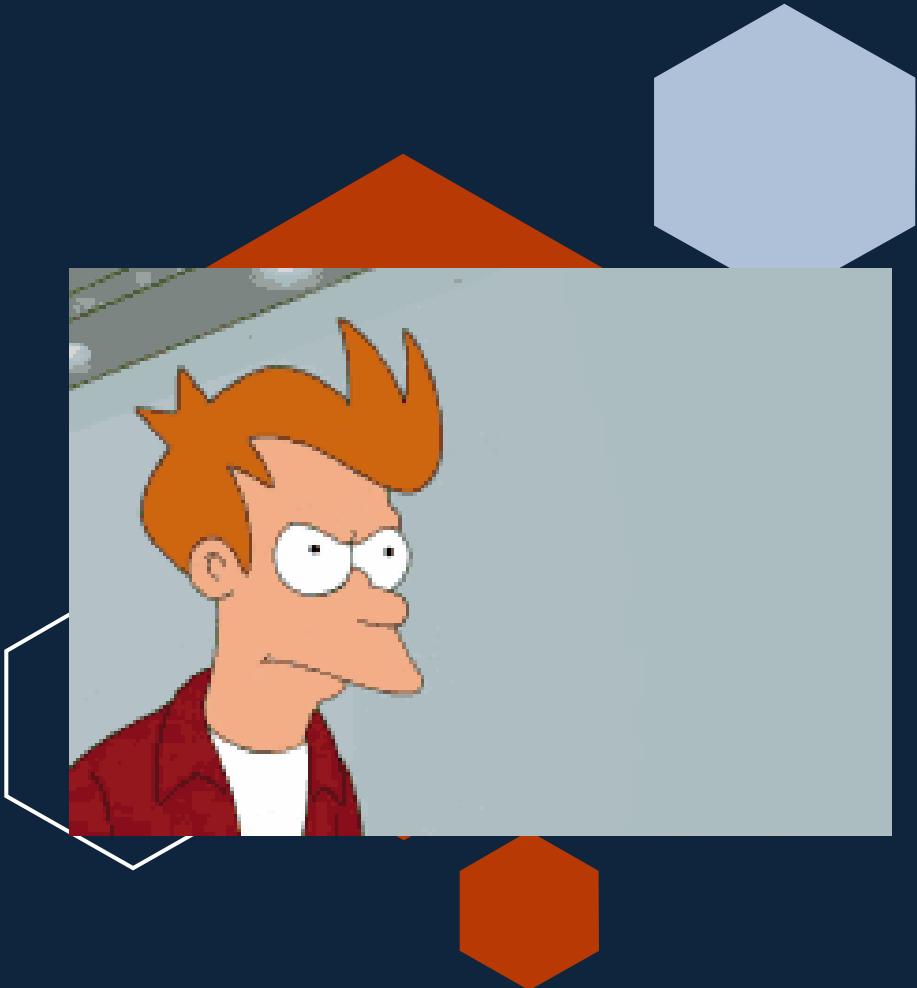
Microsoft Graph

API unificata per accedere ai dati e alle funzionalità dei servizi Microsoft 365 e Microsoft Cloud.

- Espone API REST e librerie client per interagire con:

  - Servizi Microsoft 365

  - Servizi di sicurezza e identità

  - Servizi Windows

  - Dynamics 365 e Partner Center.

- Endpoint principale: https://graph.microsoft.com

Permette di costruire app intelligenti che sfruttano dati e insight di Microsoft Cloud.

Azure Services

"Solo ciò che non si paga costa"
Camillo Sbarbaro
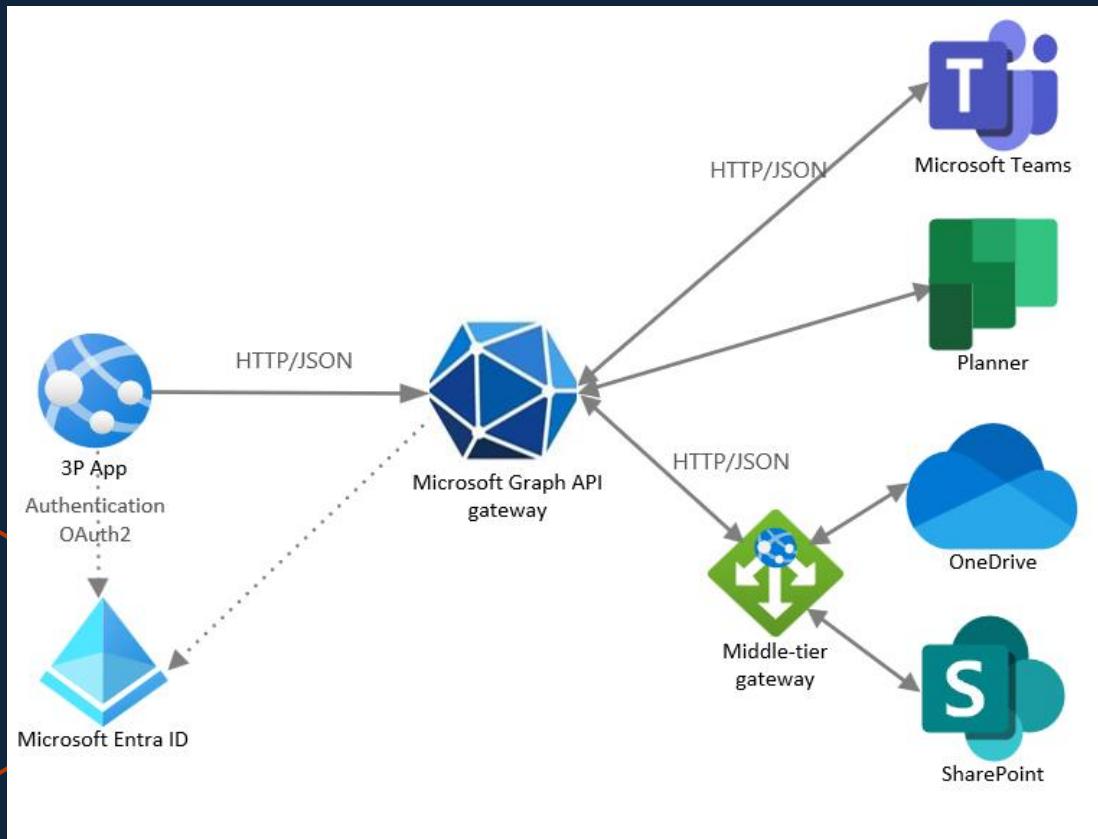
I limiti di Microsoft 365

Ma se M365 è così potente, perché Azure?

Scenario	Limiti M365	Soluzione con Azure
Backend Processing Complesso "Ho un bot Teams che deve elaborare migliaia di record"	Limitato, nessun controllo sul compute	**Azure Functions**: scalabile, serverless
Integrazioni con Sistemi Legacy "Devo connettermi al nostro ERP on-premise"	Connettori limitati	**Azure Logic Apps + Hybrid Connections**: integrazione completa
Data Storage Avanzato "Ho bisogno di un database relazionale/NoSQL custom"	SharePoint Lists: max 30M items, performance issues	**Azure SQL / Cosmos DB**: storage enterprise-grade
Sicurezza Enterprise e Secret Management "Dove metto API keys, connection strings?"	Hardcoded o app settings visibili	**Azure Key Vault**: gestione sicura, rotazione automatica
AI/ML Personalizzato "Voglio analizzare documenti con modelli custom"	AI limitato a Copilot/Syntex	**Azure AI Services**: OpenAI, Document Intelligence, modelli custom

Microsoft 365... con i super poteri

*La vera forza non è M365 O Azure, ma M365 E Azure come piattaforma unificata.*
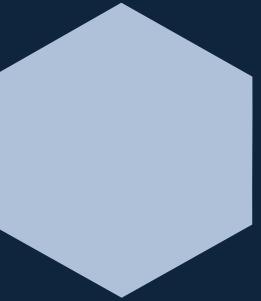
M365 SOLO: "Comfort Zone"

- ✓ UI/UX nelle app M365
- ✓ Collaboration
- ✓ Automazioni semplici
- ✗ Backend complesso
- ✗ Custom data layer
- ✗ Integrazioni avanzate

M365 + AZURE: "Superpowers'

- ✓ Tutto quanto sopra
- ✓ Scalabilità enterprise
- ✓ Backend serverless
- ✓ AI/ML avanzato
- ✓ Integrazione qualsisasi sistema
- ✓ Security e compliance granulari

Demo time

"Le dimostrazioni servono solo
quando manca la fiducia"
Honoré de Balzac

Risorse

PnP SPFx Toolkit
https://pnp.github.io/vscode-viva/

M365 Developer Program
http://aka.ms/m365/devprogram

M365 Agents Toolkit
http://aka.ms/M365AgentsToolkit

Azure Meetup Casteddu
https://www.azuremeetupcasteddu.it/

Codice sorgente della demo
https://github.com/fredupstair/azure-meetup-casteddu-demo

Gràtzias

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 https://copilotespresso.com

Feedback 🙏