Flexing your muscles with Parallels RAS and Bicep.

# Who is this Freek? ☺
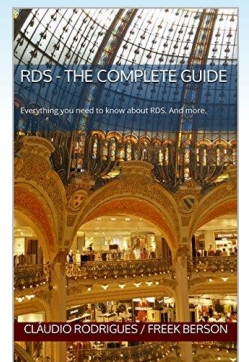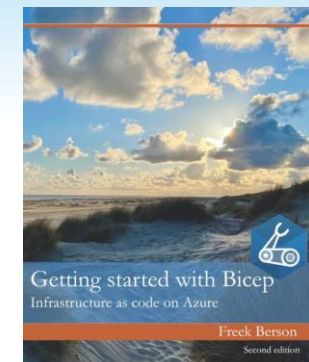
## Freek Berson

*Principal Product Manager*
*@fberson*
*Microsoft MVP (AVD & Azure)*
*Published Author*

E2EVC 2017, Orlando, Florida

# Apps & Desktops for the Hybrid Workforce

Freedom of choice: On-Device | On-premises | Cloud

**Parallels®**
Enabled by
**Alludo**™

## Any Device, Anywhere, Any Cloud

### ▦ Apps & Desktops

### 🌐 Web & SaaS apps

From **Device** with
Parallels Desktop

Optimized for
**performance**

The only Microsoft Authorized
solution to run Windows on
Apple M series

From **On-prem** with
Parallels RAS

Optimized for **flexibility
and control**

From **hybrid** with
Parallels RAS + AVD

Optimized for **hybrid
& cost** management

Recognized as a "Major" player in the IDC Marketscape 2023-24
Recognized as a "Visionary" player in Gartner MQ 2024

From **Cloud**, with
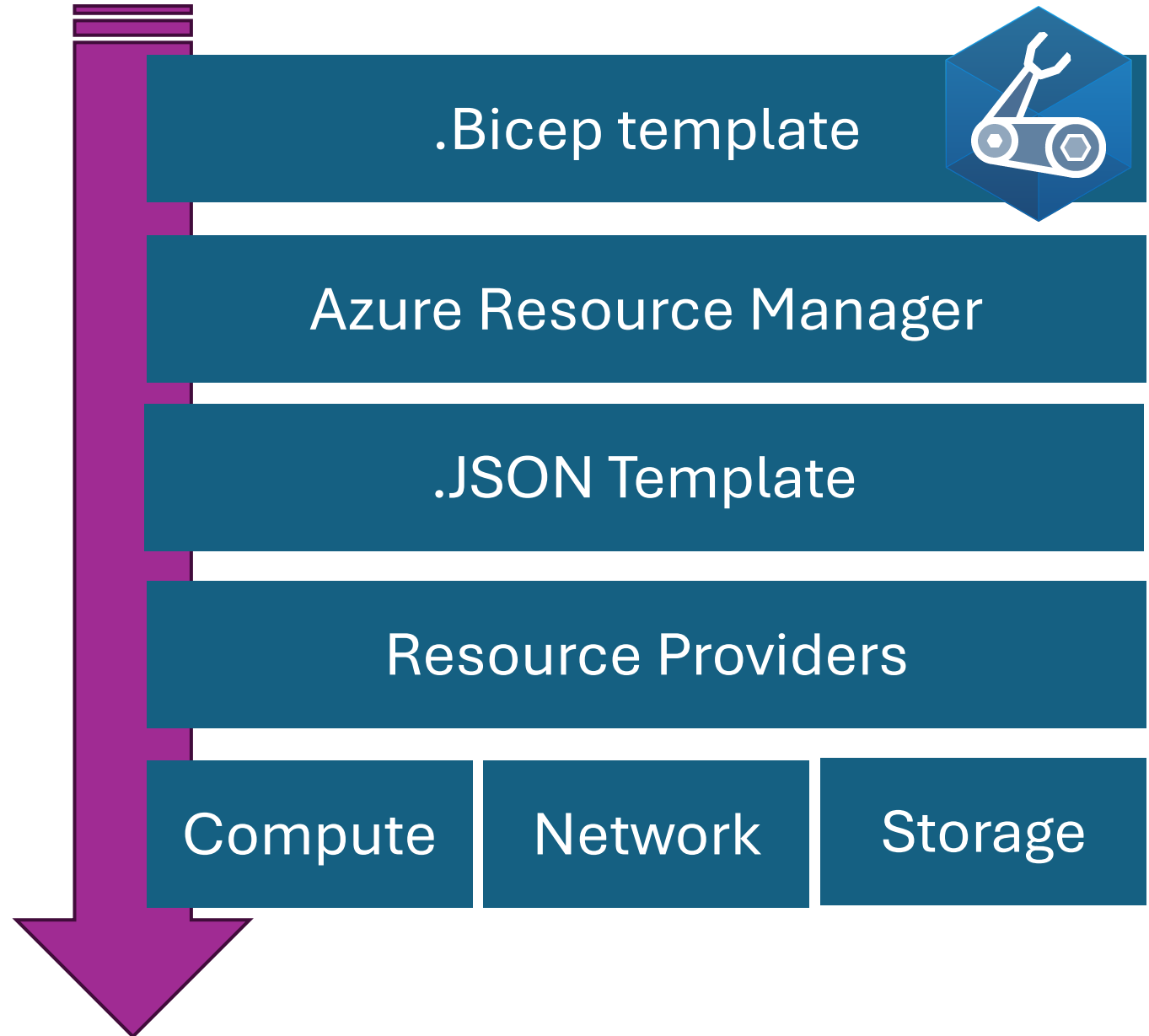Parallels DaaS

Optimized for **fast
delivery & experience**

From **On-prem** with
Parallels Secure
Workspace

Optimized for **secure
network access**

From **Cloud** with
Parallels Browser
Isolation

Optimized for **secure
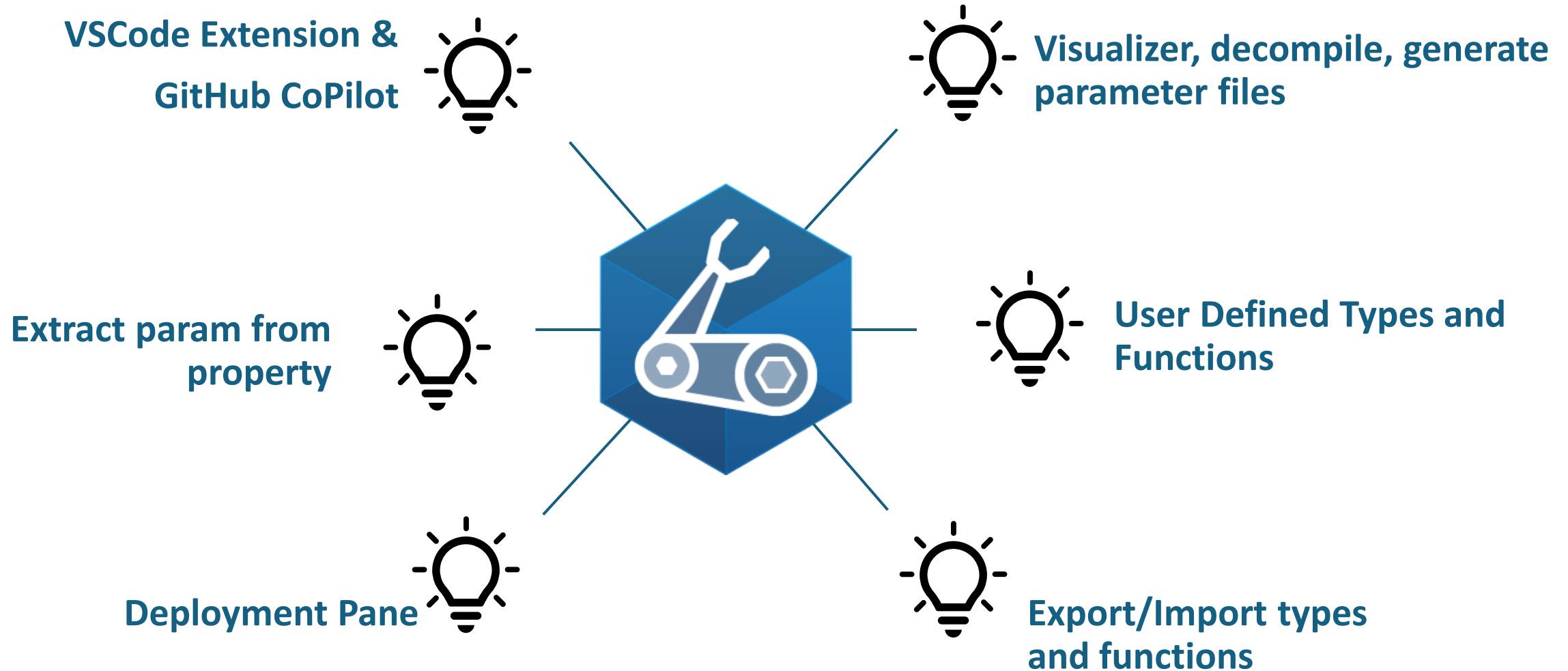browsing**

**Infrastructure as Code**

The practice of managing & provisioning computing infrastructure through declarative configuration files.

# What is Bicep

🦾 Declarative
🦾 Idempotent
🦾 Fast

.Bicep template

Azure Resource Manager

.JSON Template

Resource Providers

| Compute | Network | Storage |

# Optimize your authoring experience

VSCode Extension & GitHub CoPilot

Visualizer, decompile, generate parameter files

Extract param from property

User Defined Types and Functions

Deployment Pane

Export/Import types and functions

# Reusability with modules

## Local Modules
- Ideal for fast local development
- Optionally share modules outside

## Azure Container Registry
- Easily Share modules within your organization
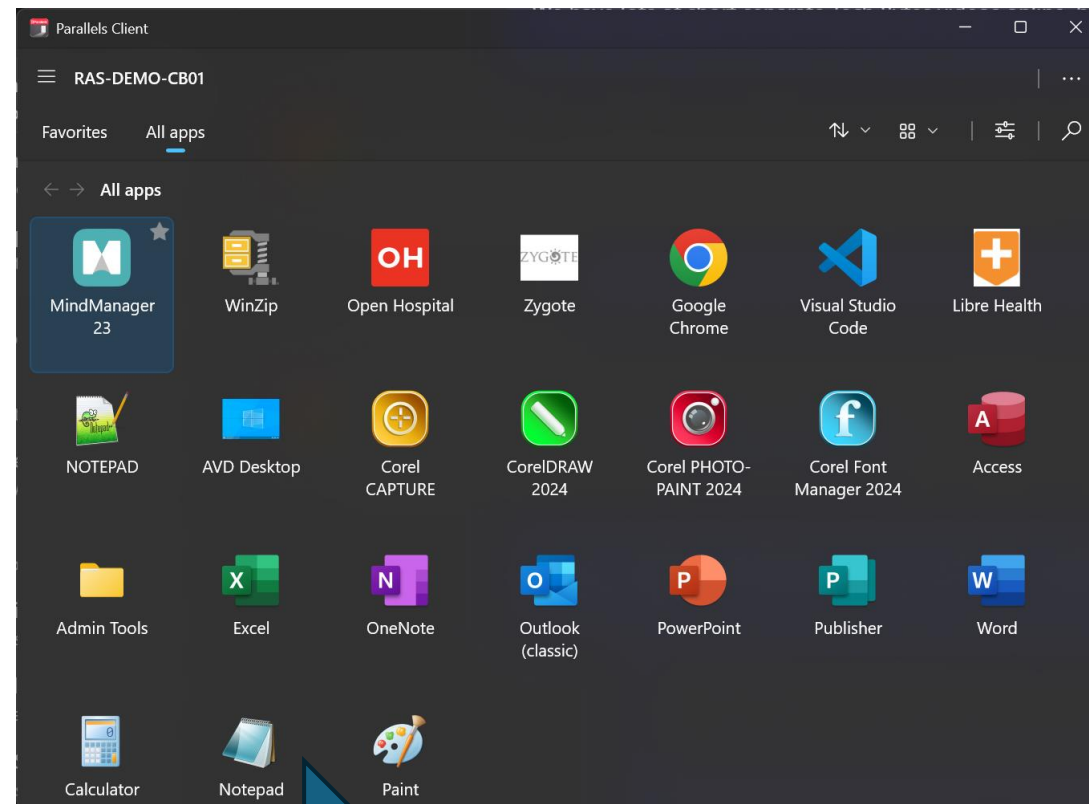- Requires management of ACR resource

## Azure Verified Modules
- Modules (resource & pattern) supported by Microsoft
- Well-Architectured Framework & Secure
- Potentially not 100% fit of what you need

# Demo: Parallels RAS in Azure in 10 minutes



Full Parallels RAS Deployment in ~10 minutes

# Advanced: Entra ID Resources using Bicep?
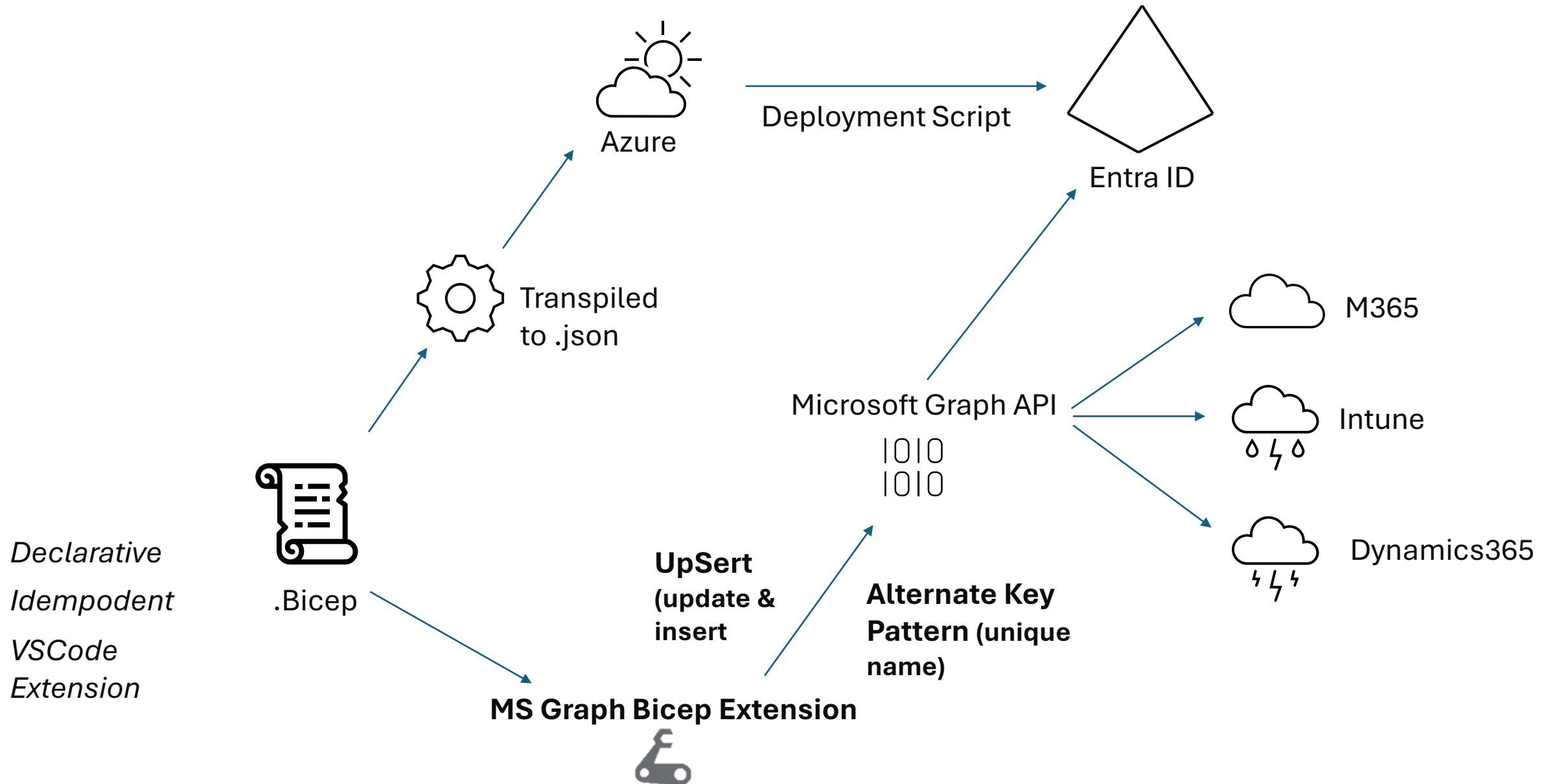
# Advanced: Entra ID Resources using Bicep?

**In v1.0, only these services are supported:**
- Applications
- App role assignments
- Federated identity credentials
- Groups
- OAuth2 permission grants (delegated permission grants)
- Service principals

**Members of groups are Implemented as non-destructive**

**Owners of groups are limited to 100**

**!! Update to owners & members requires breaking change update (released via dynamic types)**

**Sensitive GA ETA is end of this year or early next year**

*Limitation*

# BONUS: Azure Marketplace Transactional Offer

✅ **Parallels benefit - Visibility & GTM support**
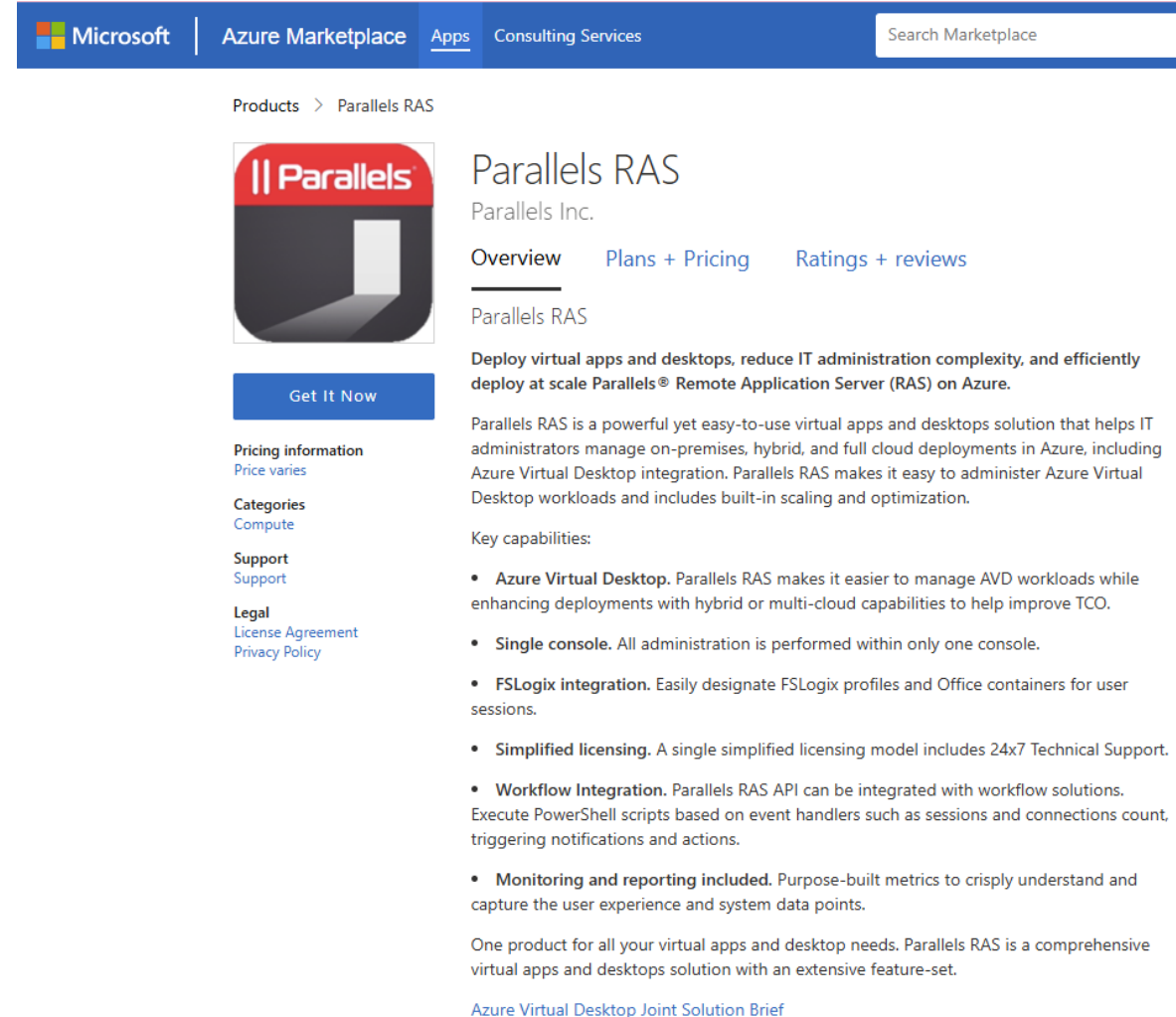
Parallels RAS solution listed together with Microsoft solutions, connecting businesses, organizations, and government agencies around the world.

✅ **Partner benefit – private offers & simplified sell**

Create personalized offers with custom payouts and sell directly to Microsoft customers with simplified selling through the marketplace.

✅ **Customer benefits – MACC & easy deployment**

Customer can now RAS licenses using their Microsoft Azure Consumption Commitment (MACC), a contractual commitment that they may have made to Microsoft Azure spend, and marketplace allows for full automated deployment

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**Microsoft** | Azure Marketplace | Apps | Consulting Services | Search Marketplace

Products > Parallels RAS

## Parallels RAS
Parallels Inc.

**Overview** | Plans + Pricing | Ratings + reviews

Parallels RAS

Deploy virtual apps and desktops, reduce IT administration complexity, and efficiently deploy at scale Parallels® Remote Application Server (RAS) on Azure.

Parallels RAS is a powerful yet easy-to-use virtual apps and desktops solution that helps IT administrators manage on-premises, hybrid, and full cloud deployments in Azure, including Azure Virtual Desktop integration. Parallels RAS makes it easy to administer Azure Virtual Desktop workloads and includes built-in scaling and optimization.

Key capabilities:

- **Azure Virtual Desktop.** Parallels RAS makes it easier to manage AVD workloads while enhancing deployments with hybrid or multi-cloud capabilities to help improve TCO.

- **Single console.** All administration is performed within only one console.

- **FSLogix integration.** Easily designate FSLogix profiles and Office containers for user sessions.

- **Simplified licensing.** A single simplified licensing model includes 24x7 Technical Support.

- **Workflow Integration.** Parallels RAS API can be integrated with workflow solutions. Execute PowerShell scripts based on event handlers such as sessions and connections count, triggering notifications and actions.

- **Monitoring and reporting included.** Purpose-built metrics to crisply understand and capture the user experience and system data points.

One product for all your virtual apps and desktop needs. Parallels RAS is a comprehensive virtual apps and desktops solution with an extensive feature-set.

Azure Virtual Desktop Joint Solution Brief

**Get It Now**

Pricing information
Price varies

Categories
Compute

Support
Support

Legal
License Agreement
Privacy Policy

# Azure Marketplace Transactional Offer



Purchase and deploy Parallels RAS in any Azure Subscription and any region!

# Parallels RAS various Azure Marketplace Offers

# THANK YOU!

**Azure automated deployment:**

github.com/Parallels/RAS-PowerShell/tree/master/RAS-Azure-Marketplace

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