



Azure Management Tool

Alan Tsai



這節主要重點



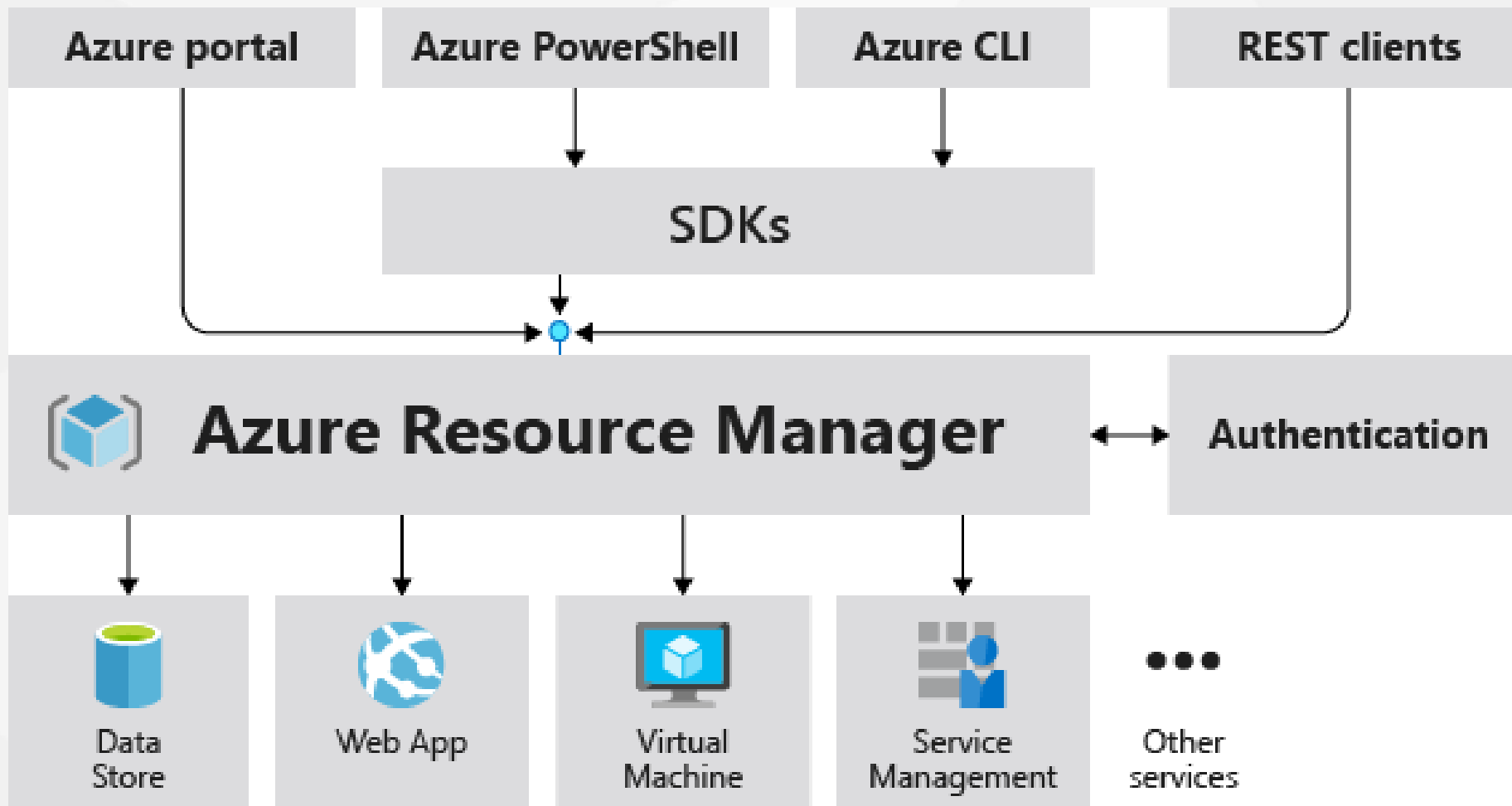
- 管理工具
 - Azure CLI、Azure Powershell、Azure Portal、Azure Resource Management Template (ARM)、Mobile App
- 監控工具
 - Azure Advisor
 - Azure Monitor
 - Azure Service Health

管理工具





Azure Resource Management



[What is Azure Resource Manager?](#)



Azure Portal



- <https://portal.azure.com/>

The screenshot displays the Microsoft Azure Portal interface. At the top, a blue header bar contains the 'Microsoft Azure' logo, a search bar with the placeholder 'Search resources, services, and docs (G+)', and user account information for 'demo@AlanTsai.onmicr...' with the name 'ALAN TSAI'. Below the header, the main content area is divided into three sections. On the left is a sidebar with 'All services' and a search bar, followed by a 'Categories' list including 'All', 'General', 'Compute', 'Networking', 'Storage', 'Web', 'Mobile', 'Containers', 'Databases', 'Analytics', 'Blockchain', 'AI + machine learning', 'Internet of things', 'Mixed reality', 'Integration', 'Identity', 'Security', and 'DevOps'. The central area features a 'Featured' section with icons for Virtual machines, App Services, Storage accounts, SQL databases, Static Web Apps, Azure Cosmos DB, Kubernetes services, and Function App. Below this is another row of icons for Virtual networks, Azure Active Directory, Resource groups, Monitor, Advisor, Security Center, Cost Management, and an 'All services' link. The bottom section, titled 'Free training from Microsoft', lists three courses: 'Core Cloud Services - Azure architecture and service guarantees' (9 units, 45 min), 'Core Cloud Services - Manage services with the Azure portal' (9 units, 1 hr 13 min), and 'Cloud Concepts - Principles of cloud computing' (10 units, 1 hr 2 min). Each course includes a brief description and a 'Start' button with an external link icon.



Azure CLI/Powershell



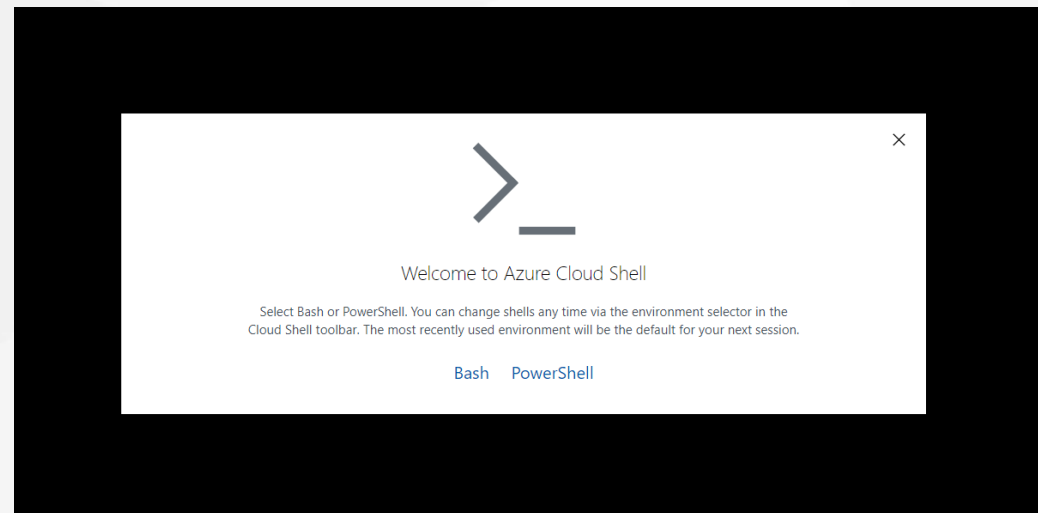
- Azure CLI - 跨平台的工具
 - [Install the Azure CLI](#)
 - 指令都是 az 開頭：az group create
- Azure Powershell – Powershell 版本，也支援跨平台
 - [Install Azure PowerShell](#)
 - 舊指令 AzureRM 開頭：New-AzureRmVM
 - 新指令 Az 開頭：New-AzVM



Azure Cloud Shell



- <http://shell.azure.com/>
- 提供 Powershell 和 Azure CLI 的工具
- 運算免費，但是收取存儲 (Azure Storage) 的費用
- 機器 20 分鐘會回收掉

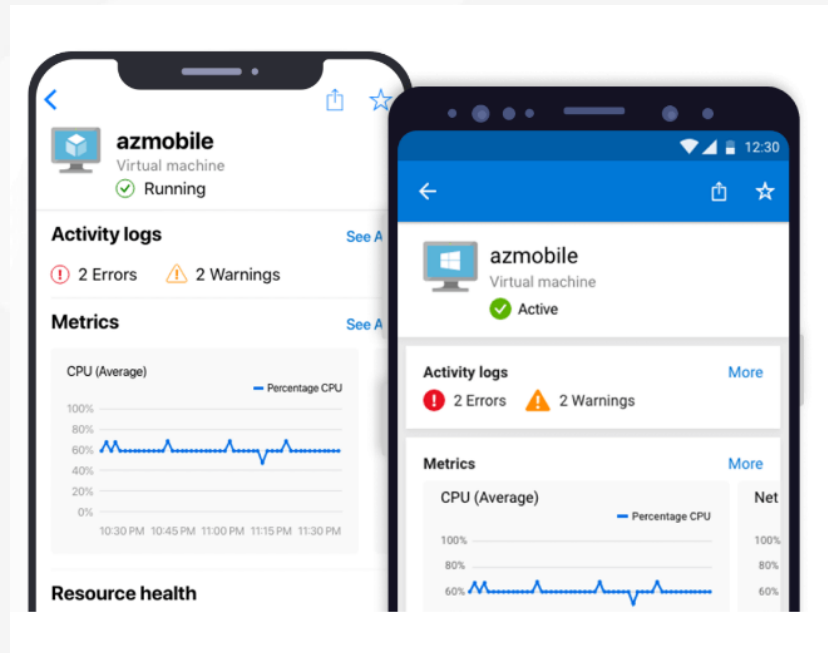




Azure Mobile App



- 看有沒有什麼問題
- 指令解決問題



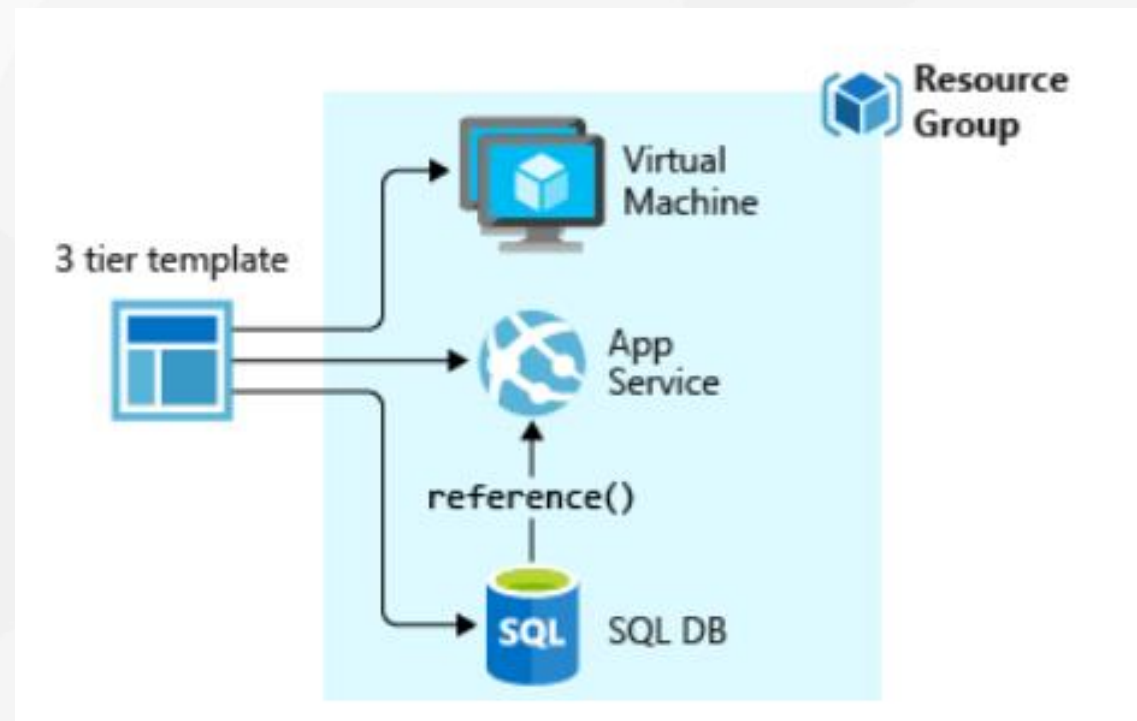
[Get the Azure mobile app](#)

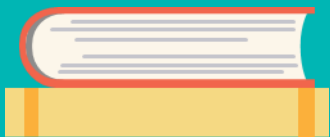


Azure ARM Template

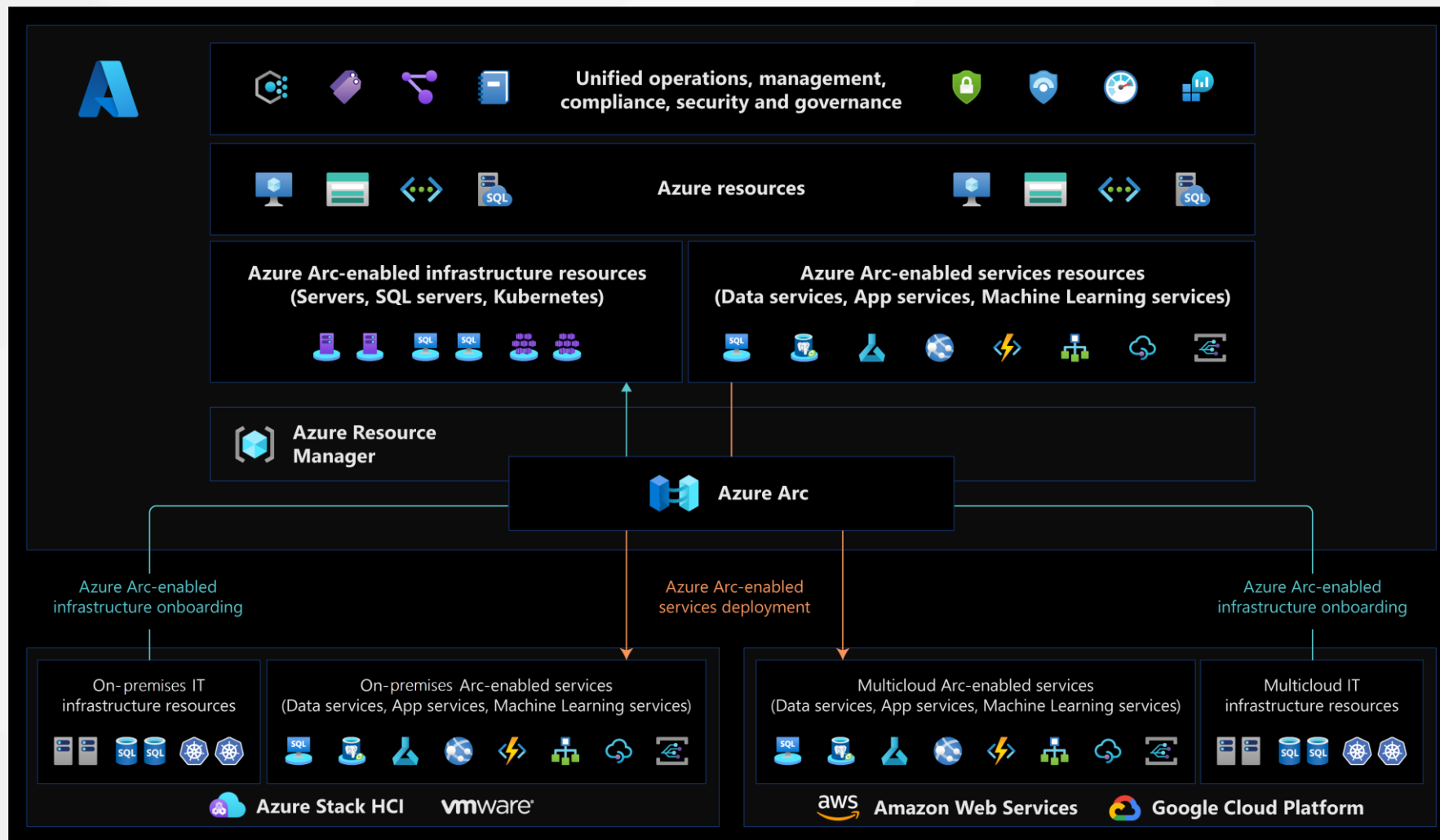


- 建立很多 Resource 並且確保都有執行成功
- JSON 檔案
- 宣告式 (declarative) 的語法來操作
- Infrastructure as Code (IaC)





Azure Arc



Azure Arc Overview

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監控工具

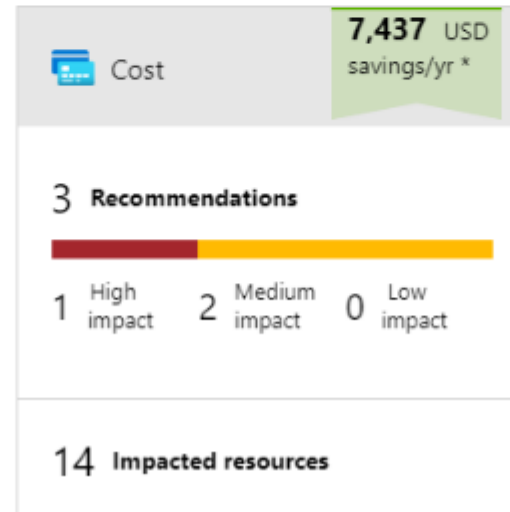
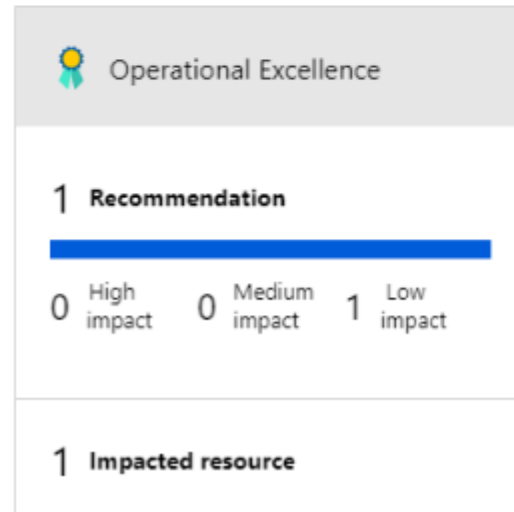
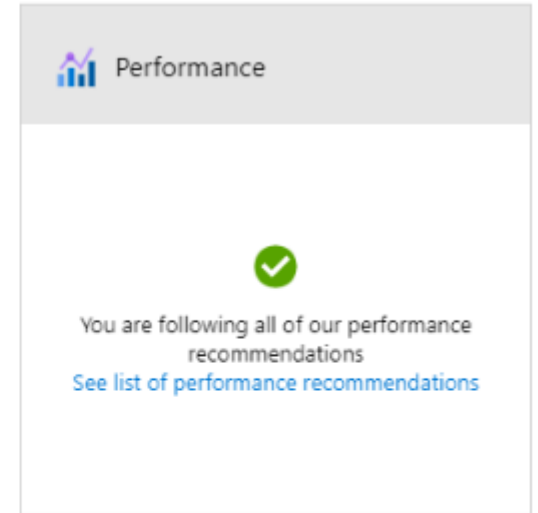
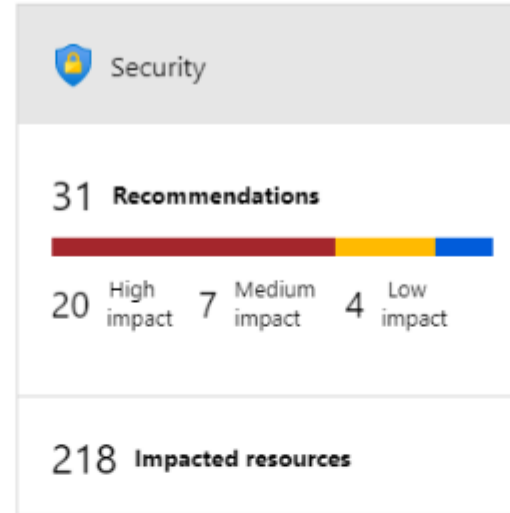
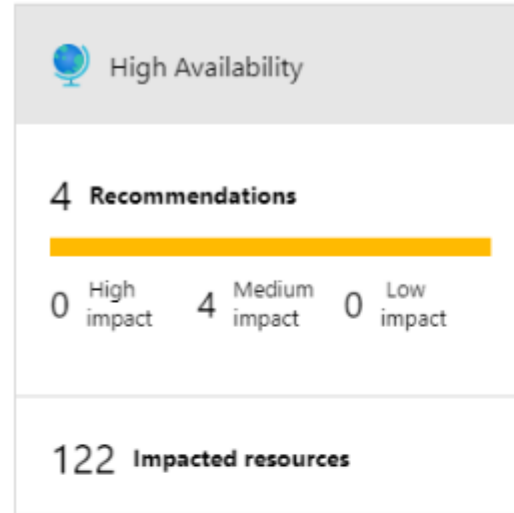




Azure Advisor

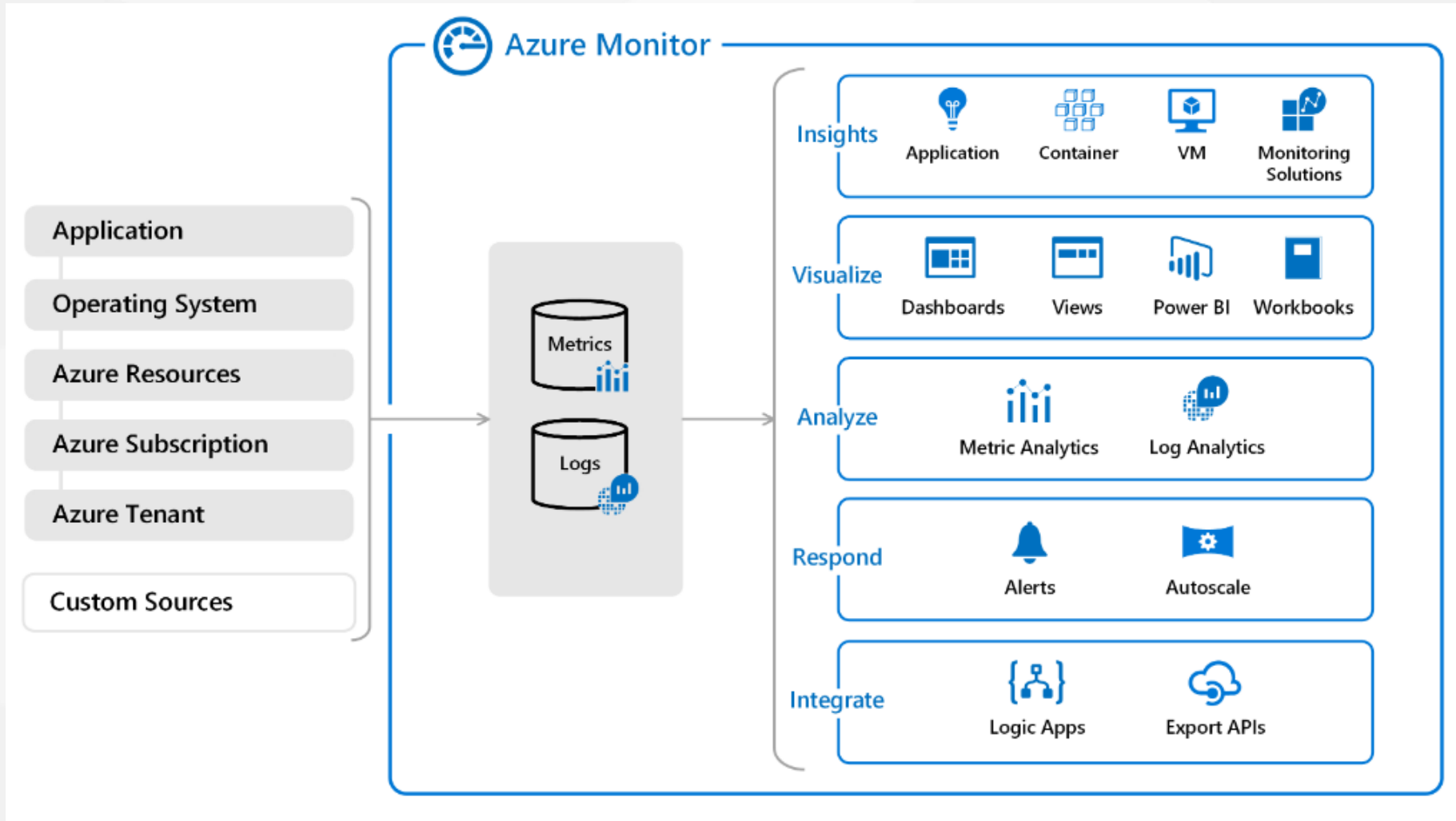


- 個人的顧問
- High Availability
- Security
- Performance
- Operational Excellence
- Cost





Azure Monitor



Azure Monitor overview

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Azure Service Health



- Azure Status
 - 看到 Region 情況
- Azure Service Health
 - 針對有使用的 Service 狀況做呈現
- Azure Resourc Health
 - 針對裡面資源做呈現

[What is Azure Service Health?](#)

結語





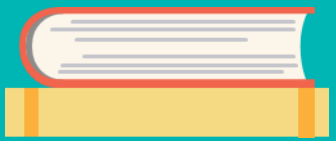
結語



- 用不同工具管理 Azure
- 用不同工具監控 Azure



- **Azure Fundamentals part 3: Describe core solutions and management tools on Azure**



歡迎訂閱、按贊 + 分享



- Alan Tsai 的學習筆記
- <https://blog.alantsai.net>
- FB粉絲頁
- <http://fb.alantsai.net>
- Youtube
- <http://yt.alantsai.net>



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