



SITECORE **ON AZURE WEB APPS**

CLUJ CONNECT.IT

AZURE HOSTING OPTIONS – FOR SITECORE



Virtual Machines

- Customized Windows and Linux VMs with complete control of the OS

Cloud Services

- Highly available, scalable n-tier cloud apps with more control of the OS

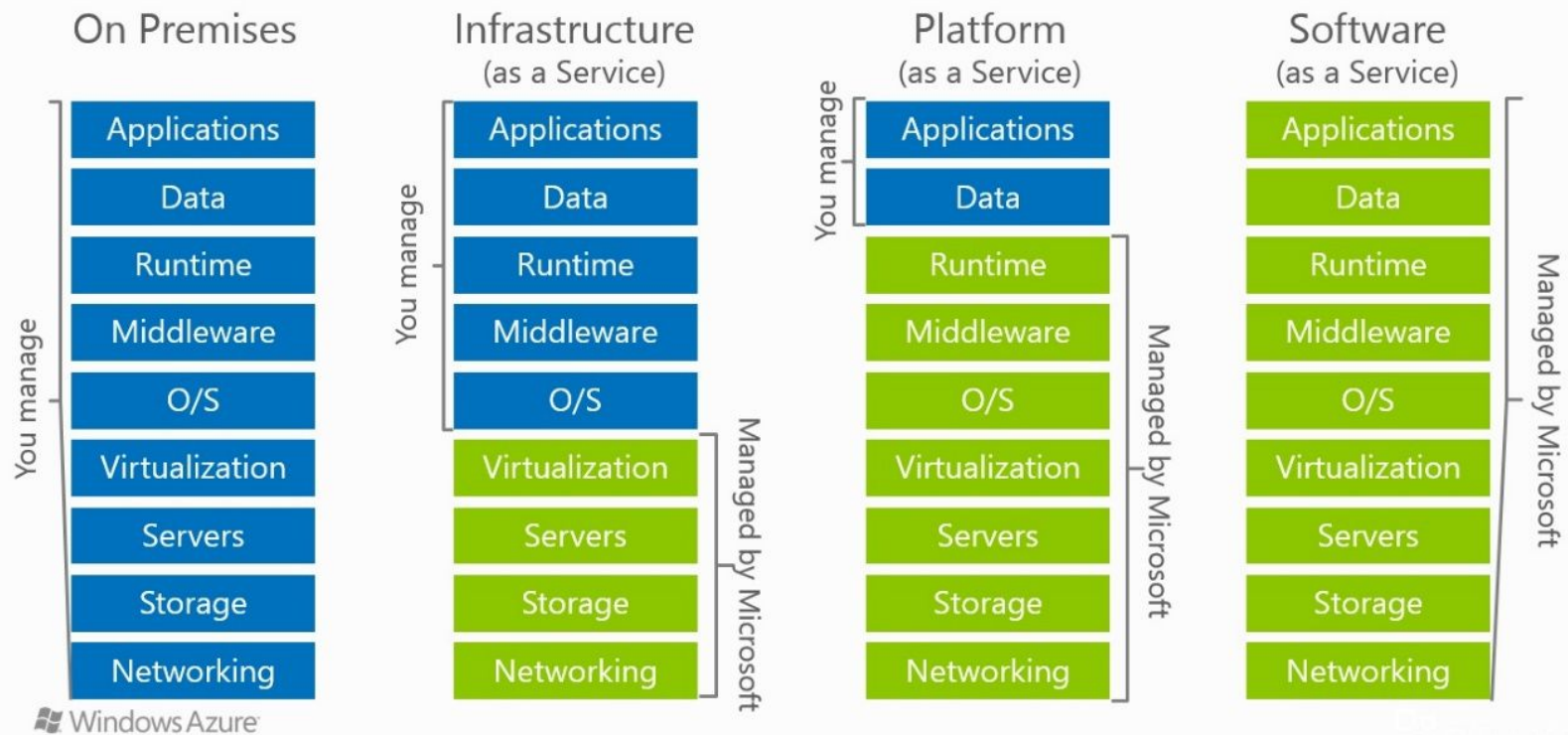


App Services

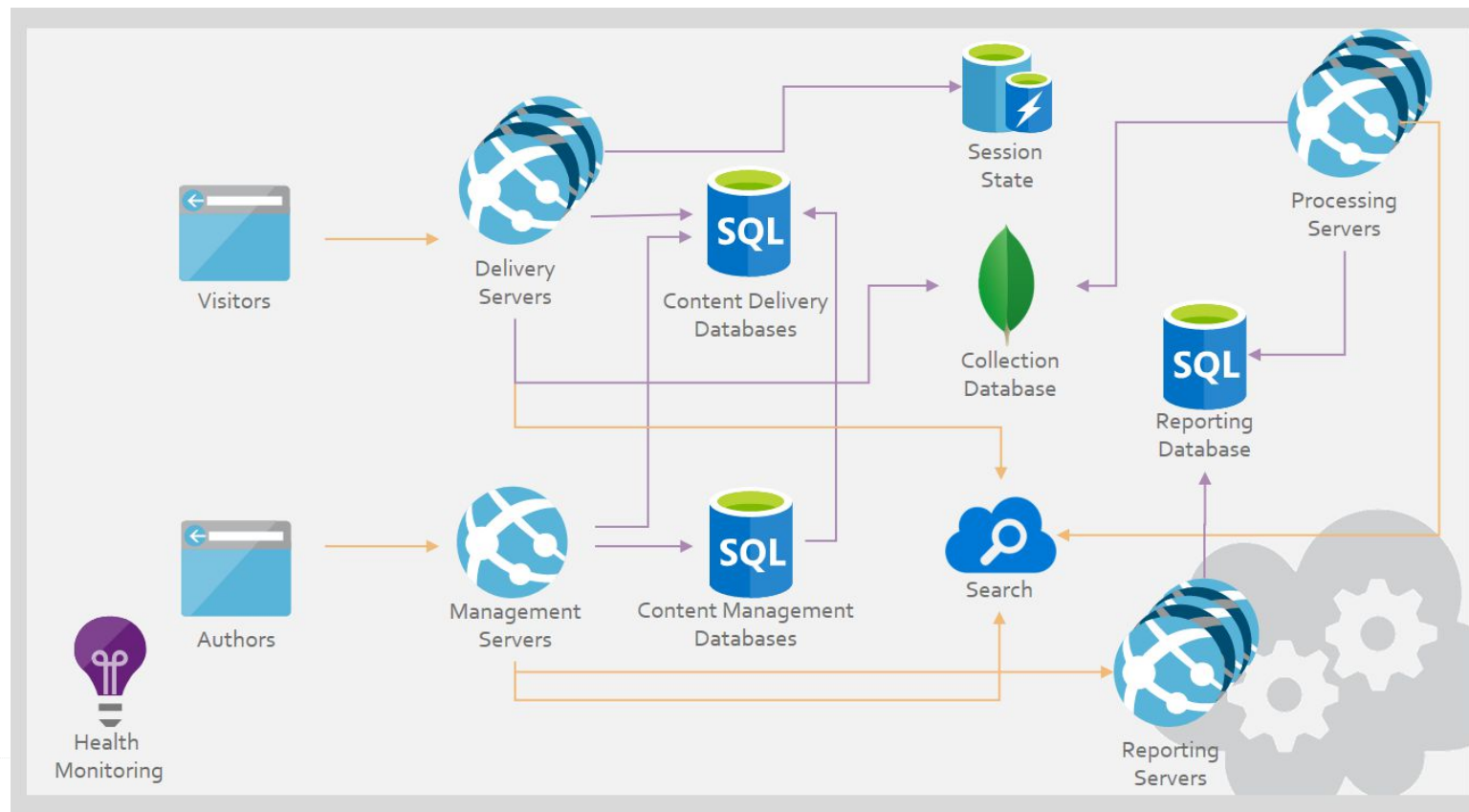
- Scalable Web Apps, Mobile Apps, API Apps, and Logic Apps for any device

IAAS PAAS SAAS

Cloud Models



EXAMPLE SETUP



BUILDING BLOCKS



Web Apps

- Separate web apps for each role: CD, CM
- Put in different App Service plan to be scaled separately



Azure SQL

- Stores content and analytics databases



MongoDB

- Not part of deployment
- Use VM, cloud based or whatever



Azure Redis Cache

- Default session state backend



Azure Search

- Default search engine



Application Insights

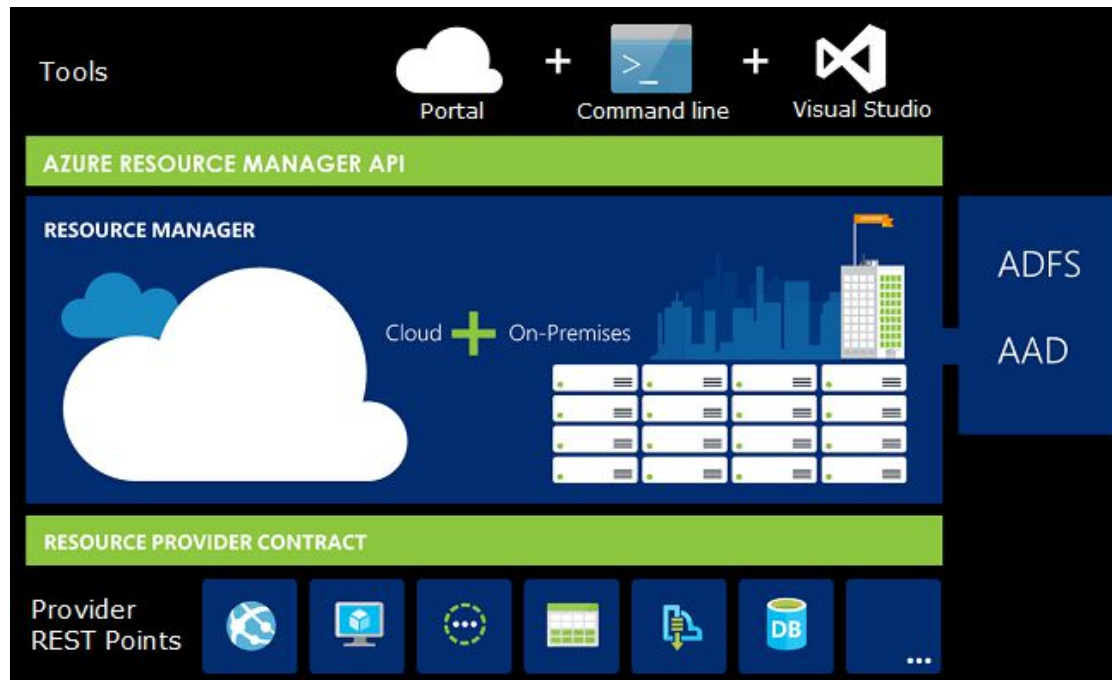
- Health monitoring, logs, performance counters

PROVISIONING OPTIONS



- Azure Marketplace
 - Select predefined Sitecore environment
 - No technical skills needed
- ARM Templates
 - Powershell based predefined or custom Sitecore environment
 - Technical skills needed

APP SERVICE AND ARM TEMPLATES

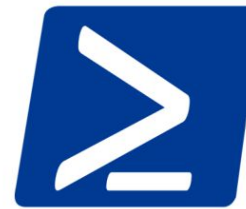


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"resources": [
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    "name": "[parameters('storageAccountName')]",
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    "location": "[resourceGroup().location]",
    "properties": {
      "accountType": "Standard_LRS"
    }
  }
]
```

SITECORE OFFER FOR AZURE APP SERVICE

- Sitecore Azure Toolkit
 - https://dev.sitecore.net/Downloads/Sitecore_Azure_Toolkit.aspx
- Web deploy packages
 - https://dev.sitecore.net/Downloads/Sitecore_Experience_Platform/82/Sitecore_Experience_Platform_82_Update2.aspx
- Sitecore Azure QuickStart Templates
 - <https://github.com/Sitecore/Sitecore-Azure-Quickstart-Templates>
- New Licensing Model

BEFORE YOU START



PowerShell
Microsoft Azure



{ name: mongo, type: DB }



(SOME) DEPLOYMENT OPTIONS



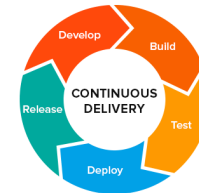
Visual Studio

- Publishing Profiles



FTP

- Manual deployment using FTP connections



Continuous delivery

- TeamCity, Bamboo, etc., VSTS

WHY AZURE (WEB APPS)

EASY AND FAST DEPLOYMENT (~25 MINUTES)



INFINITE SCALABILITY



ALWAYS ON



COST REDUCTION (NEW LICENSING)



LIMITATIONS?

- Web Apps
 - max 20 instances
 - <https://docs.microsoft.com/en-us/azure/azure-subscription-service-limits>
- Azure Search
 - 1000 fields per index
 - max 16 MB per request
 - max 1000 results returned
 - <https://docs.microsoft.com/en-us/azure/search/search-limits-quotas-capacity>
- Azure SQL
 - max 1TB per database
 - slower than normal SQL Server
- Application Insights:
 - 500GB total data per day
 - 16k events per second



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