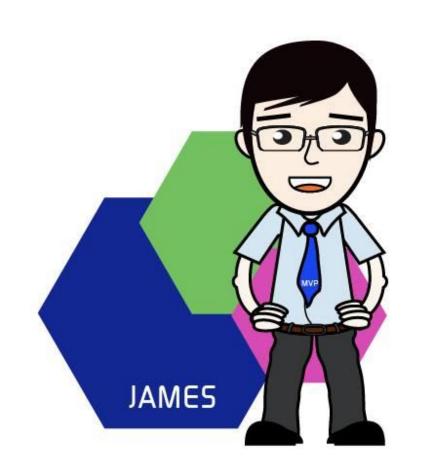


現代化應用程式的交付體驗





自我介紹





Data Platform 2013~



Dotblogs 五餅二魚工作室 www.dotblogs.com.tw/JamesFu

STUDY4.TW 台中、新竹、台北 為 學 習 而 生技術分享



什麼是鼎新A1商務應用雲?

A1是鼎新電腦專為中小企業量身所訂做的 SaaS雲端管理軟體。







任何裝置 隨時可用

隨手拿起電腦、手機或平板上網連線,不 只在公司,就算外出洽公也能查庫存看業 績,一手掌握經營資訊。







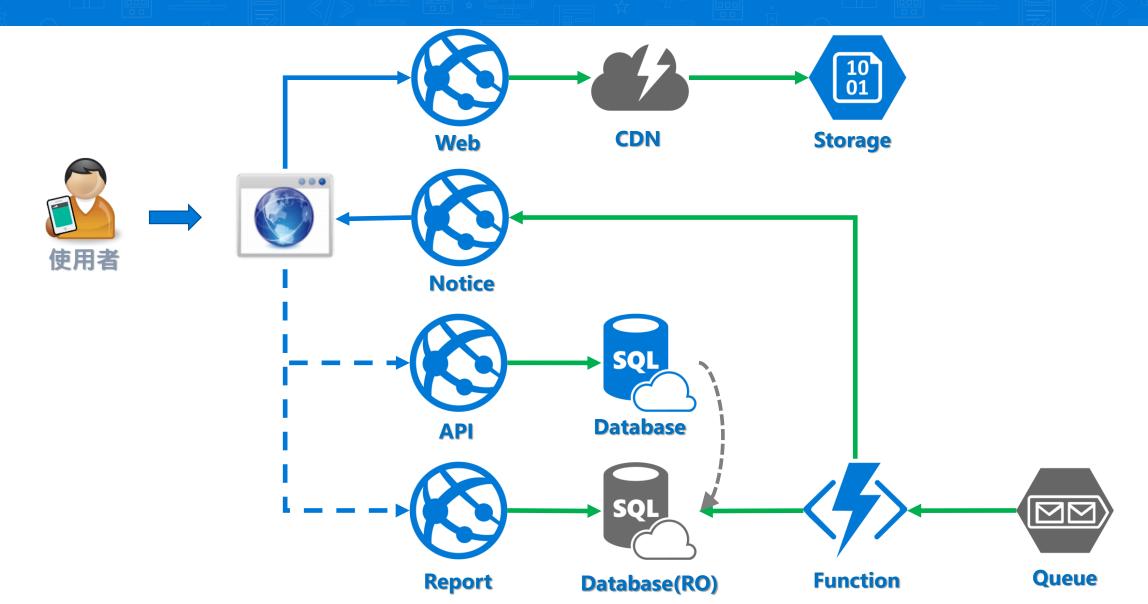


成熟的開發 Pipeline 需具有的十個訊號

- 1. 使用 Git 當 Version Control
- 2. 擁有 Continuous Integration 伺服器
- 3. 擁有多個環境, e.g. Dev, Staging, Production
- 4. 開發人員可以一鍵部署最新版本到 Production
- 5. 可以監測應用程式在 Production 環境的行為
- 6. 設定好 Alert 用以得知使用者遇到問題
- 7. 擁有收集 Log 的中央管理機制
- 8. 可以在數秒內 Rollback 改變
- 9. 可以在數秒內部署 hot fix
- 10. 不重新部署下,更改執行中程式組態的能力



A1 簡易佈署架構圖



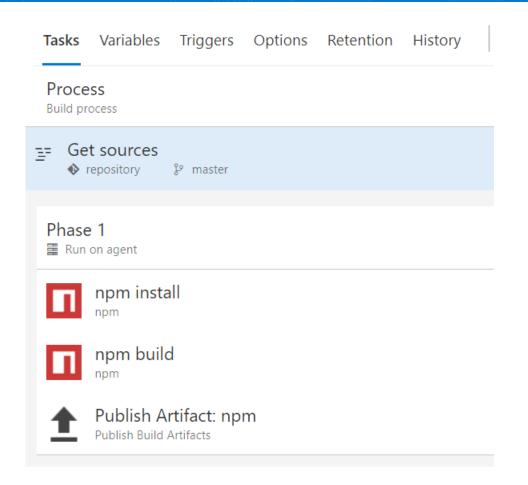


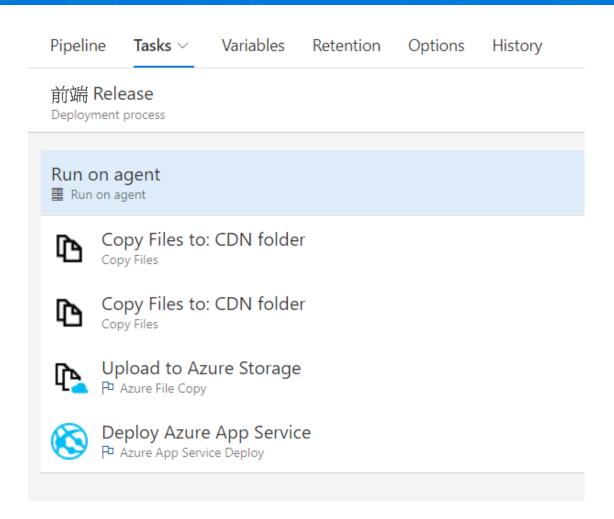
需要透過 VSTS 佈署項目

- Web
 - Web App
 - Azure Function
- Azure SQL Database
- Storage



Web App (Angular)

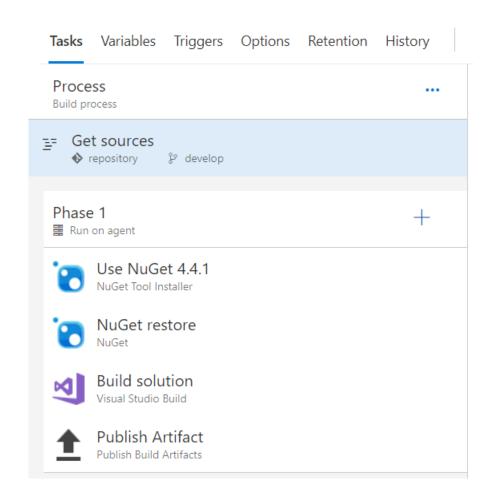


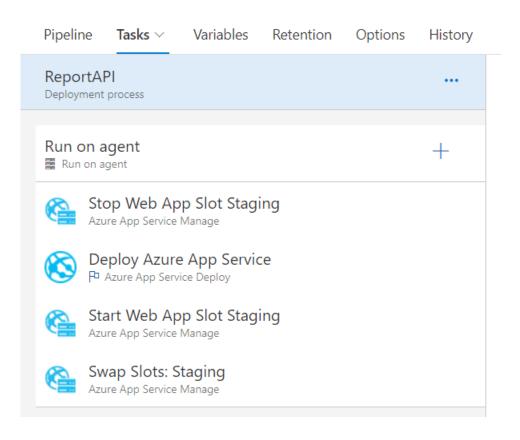


Build



Web App (DotNet Core 2.0)

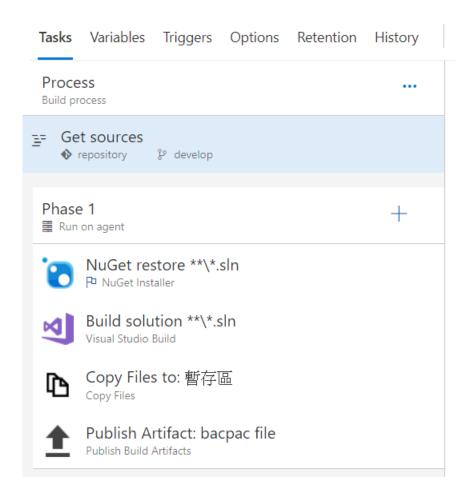


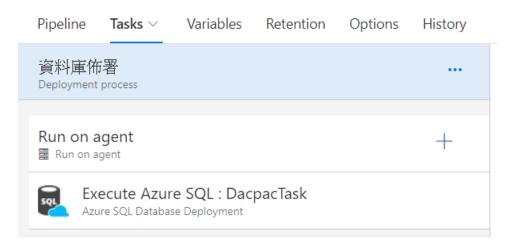


Build



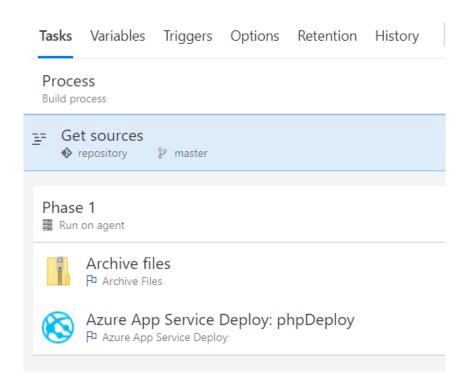
Azure SQL Database





Build

Web App (PHP)



Build



常用 Task



.NET Core

Build, test, package, or publish a dotnet application, or run a custom dotnet command. For package commands, supports NuGet.org and authenticated feeds like Package Management and MyGet.



Archive Files

Archive files using compression formats such as .7z, .rar, .tar.gz, and .zip.



Azure App Service Deploy

Update Azure WebApp Services On Windows, Web App On Linux with built-in images or docker containers, ASP.NET, .NET Core, PHP, Python or Node based Web applications, Function Apps, Mobile Apps, Api applications, Web Jobs using Web Deploy / Kudu REST APIs



Azure App Service Manage

Start, Stop, Restart, Slot swap, Install site extensions or Enable Continuous Monitoring for an Azure App Service



Azure File Copy

Copy files to Azure blob or VM(s)



Azure SQL Database Deployment

Deploy Azure SQL DB using DACPAC or run scripts using SQLCMD



Copy Files

Copy files from source folder to target folder using match patterns (The match patterns will only match file paths, not folder paths)



npm

Install and publish npm packages, or run an npm command. Supports npmjs.com and authenticated registries like Package Management.



NuGet

Restore, pack, or push NuGet packages, or run a NuGet command. Supports NuGet.org and authenticated feeds like Package Management and MyGet. Uses NuGet.exe and works with .NET Framework apps. For .NET Core and .NET Standard apps, use the .NET Core task.



Publish Build Artifacts

Publish build artifacts to Visual Studio Team Services/TFS or a file share



Visual Studio Build

Build with MSBuild and set the Visual Studio version property

注意事項

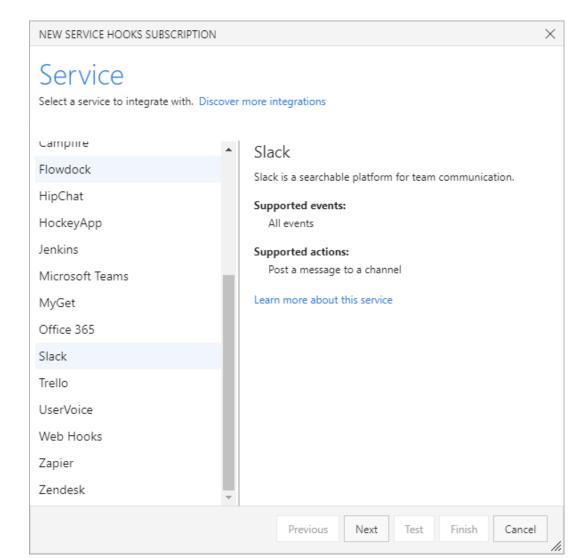
- Web App 可搭配 Slot 的切換使用,縮短佈署的時間。
- 可以先將 Web App 先停止後再發佈,避免站台上還有連線造成發佈失敗。
- Build 每次會有 30 分鐘逾時的限制,如果建立大型專案或者是採用 npm 的時候,建議搭配 private agent 來使用。
- 當建立資料庫專案的時候,要注意 Sequences 物件每次發佈時會被 reset





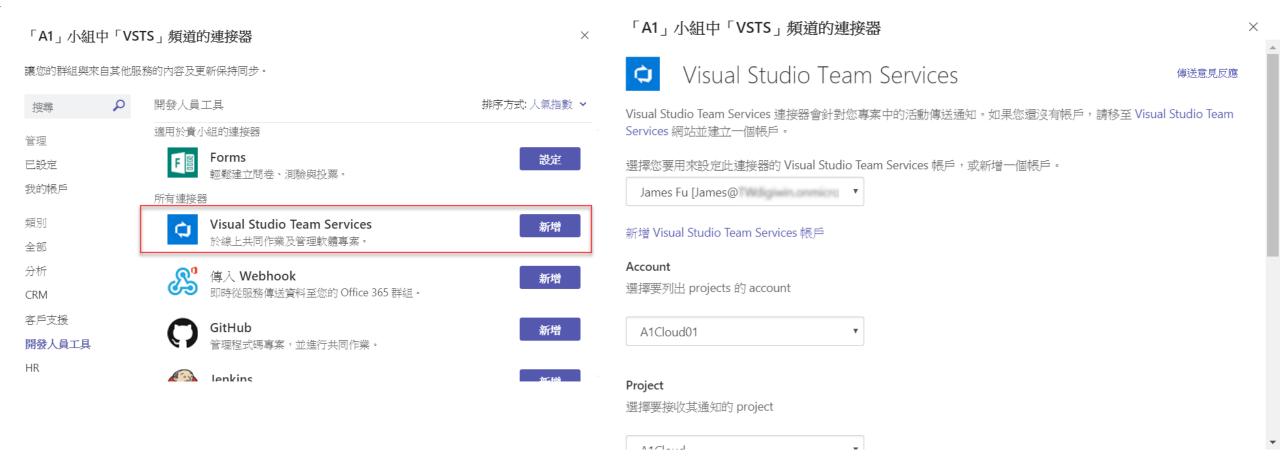


 Service hooks enable you to perform tasks on other services when events happen in your VSTS projects



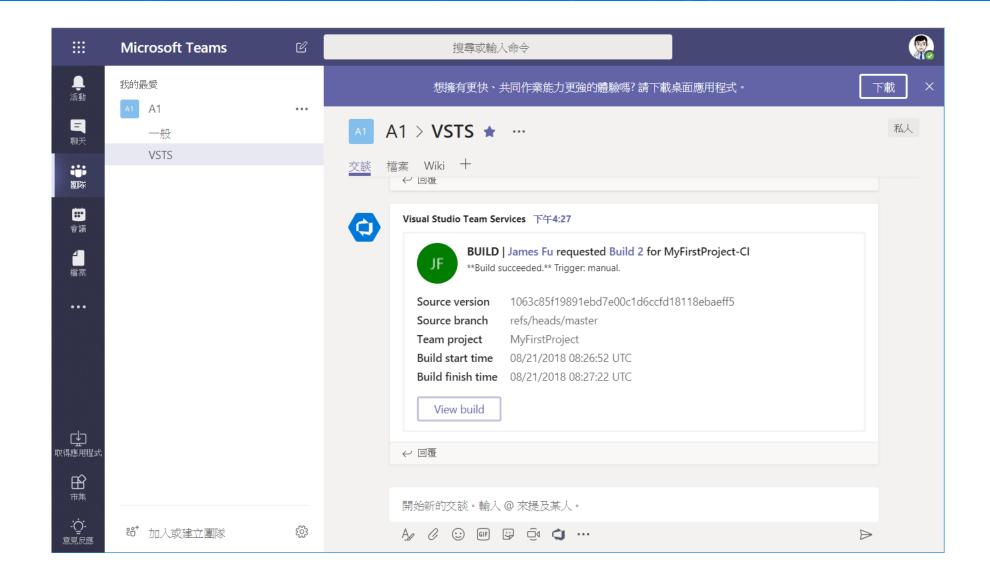


Teams for Office 365





Teams Connector



Teams for free

• 設定 VSTS Service Hook ,將訊息指定到「Azure Storage」

• 建立 Teams 頻道, 設定連接器「傳入 Webhook」,並取得連接 URL

• 建立 Azure Function,讀取 Queue 的資訊,並將其轉換送到 Teams 的 URL 上

• 可參考 https://dotblogs.com.tw/jamesfu/2018/08/12/teams-vsts

令 参考資料

- Post an actionable message card to an Office 365 group
 - https://docs.microsoft.com/en-us/outlook/actionable-messages/actionable-messages-via-connectors
- Legacy actionable message card reference
 - https://docs.microsoft.com/zh-tw/outlook/actionable-messages/message-card-reference
- Azure Functions developers guide
 - https://docs.microsoft.com/en-us/azure/azure-functions/functions-reference
- json2csharp
 - http://json2csharp.com/





