

Brian.About();



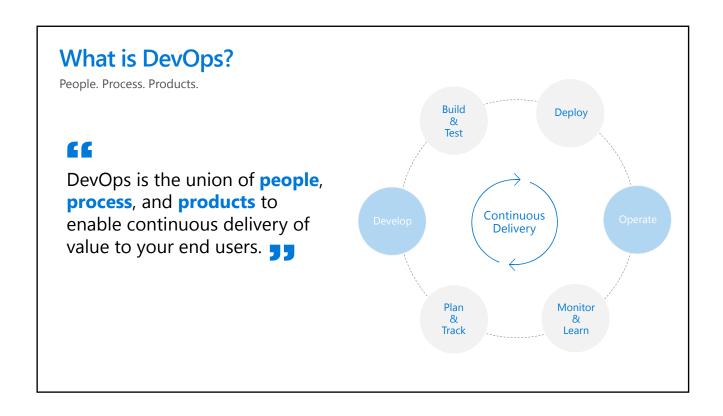
- Partner with MCW Technologies, <u>www.mcwtech.com</u>
- Co-author Pro ALM 2013 from Wrox
- 15 year Microsoft MVP—Development Technologies
- Linked In Learning author
 - New course DevOps for the Database with VSTS and Azure https://bri.gd/lildbdevopsvsts0818
 - Also Db DevOps with TFS 2018 http://bri.gd/lildbdevopstfs18
- brianr@mcwtech.com | @brianrandell | blog.brianrandell.com

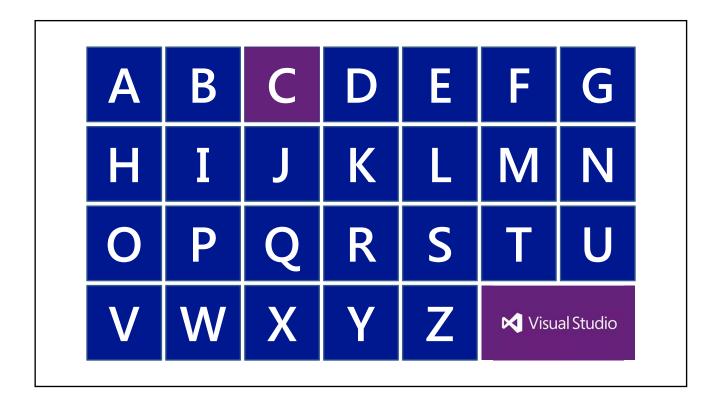












Continuous

Focus on the Flow

- Continuous Integration
- Continuous Testing
- Continuous Deployment
- Continuous Feedback
- Continuous Improvement
- Continuous (Value) Delivery

Great, but how?

- Let's show you an end-to-end pipeline
 - Manage change for a database
 - · Look at a continuous delivery pipeline
- Tools I'm using
 - SQL Server Data Tools
 - Azure Pipelines
 - VSTS Azure DevOps
 - Microsoft Release Management
 - TFS 2015 Update 2 or later
- Other Tools
 - · Redgate, Octopus Deploy, ...

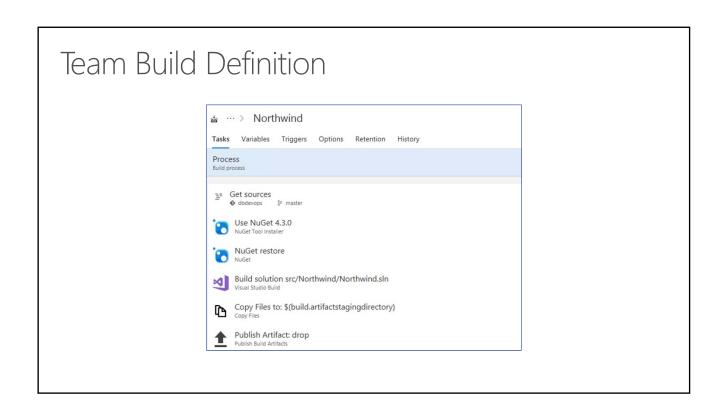
Models and Databases

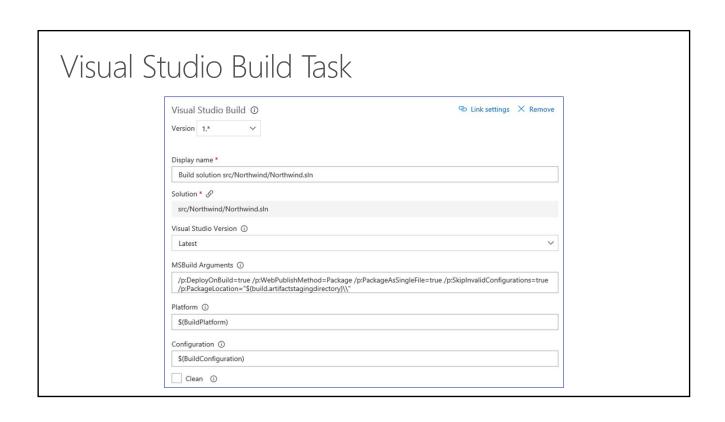
- SSDT approach
- Take the "catalog" offline
 - Use a "state" model
- Model database entities as DDL entities
- Publish changes by comparing model to target
 - Changes packaged as DACPAC
 - Could use SQL scripts as well

Migrations and Databases

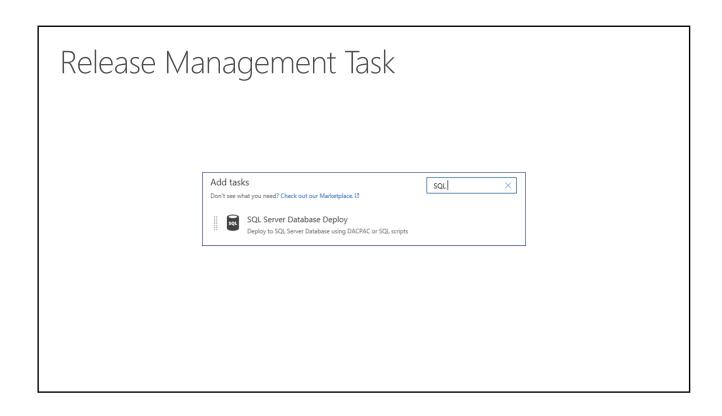
- EF Core is an example of what this is
- Define database via ORM
- "Migrate" changes from model
- Redgate ReadyRoll SQL Change Automation uses migrations
 - SQL Change Automation Core included with VS 2017 Enterprise Edition

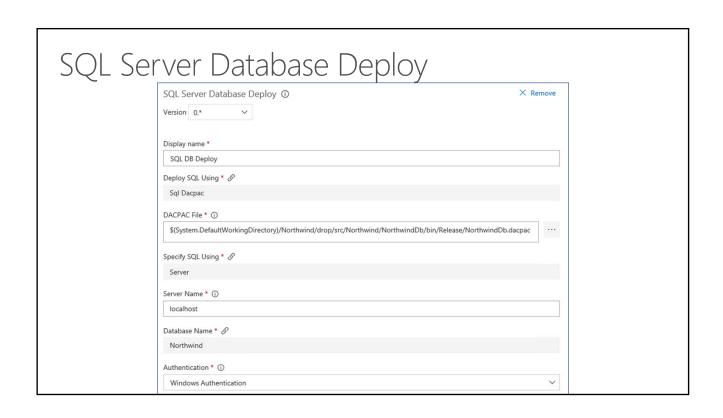




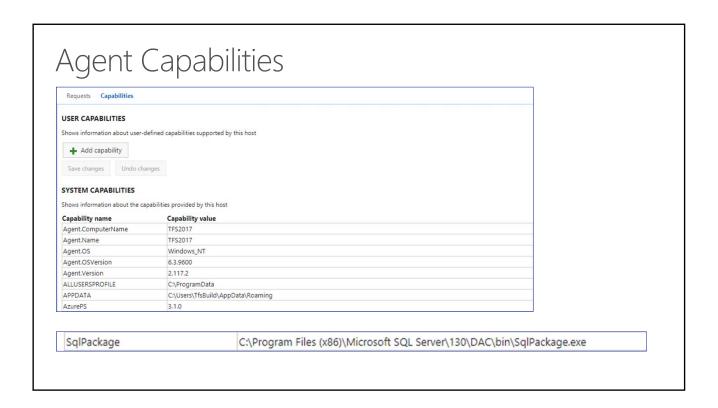


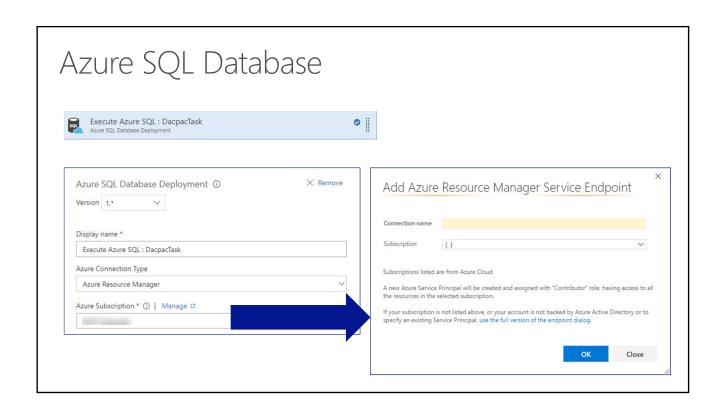
Visual Studio Live! San Diego 2018

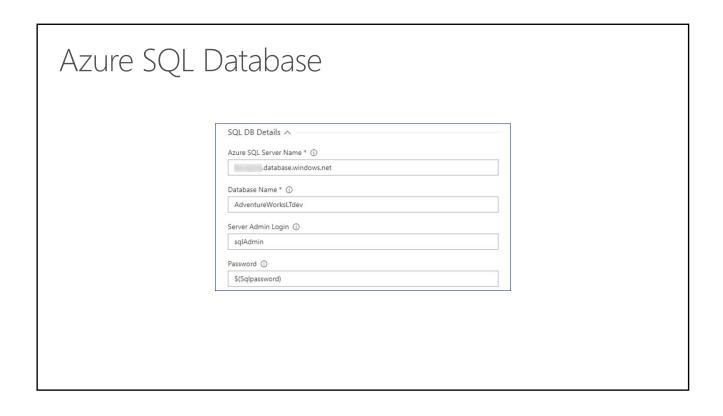


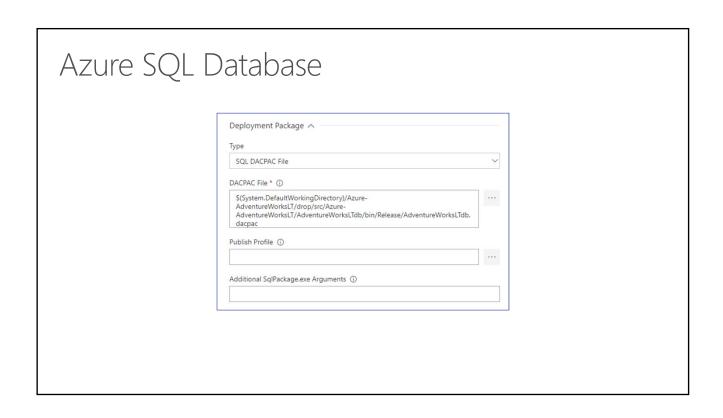


Visual Studio Live! San Diego 2018









Issues

- How do you update database and app together
 - App (binaries) first, then database
 - Database first, then app (binaries)
- Drift
- Data Motion
- Static Data Loading
- Test Data
- Replication

A final thought ...

Don't let your **experience** be an **impediment** to your ability to **learn** and **grow**.

contact me

brian a. randell

partner, mcw technologies

brianr@mcwtech.com @brianrandell blog.brianrandell.com

