

#### Slides & Code!

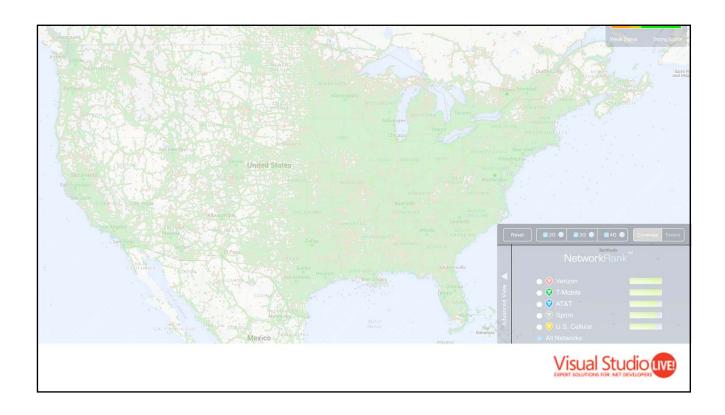
Slides: slideshare.net/MatthewSoucoup

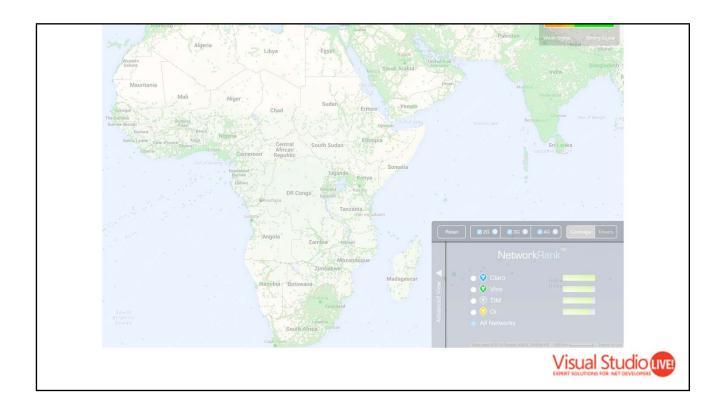
Code: github.com/codemillmatt/zumo-resilient

Matthew Soucoup Sr. Cloud Developer Advocate Microsoft

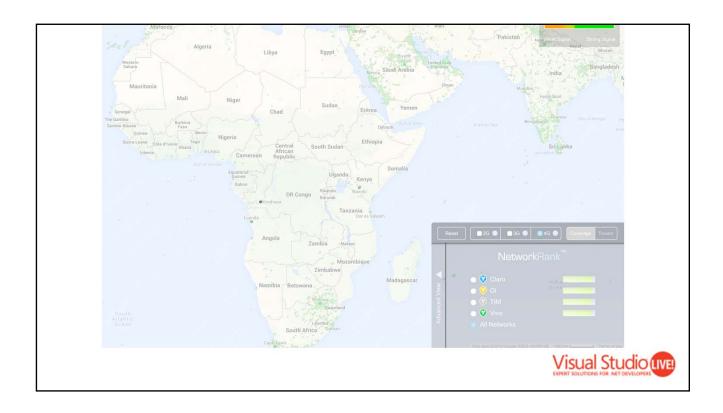


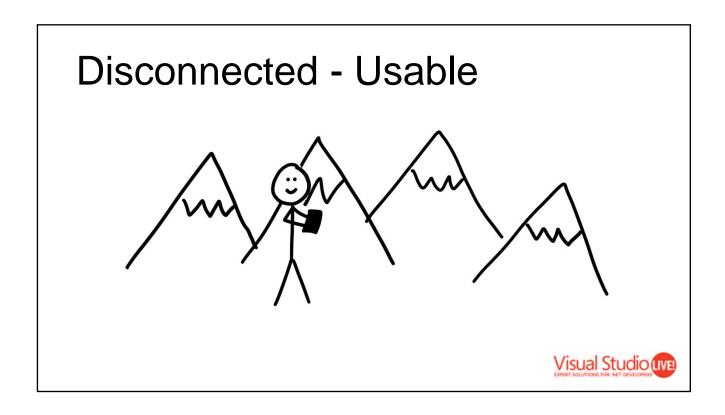
#### Visual Studio Live! Chicago 2017

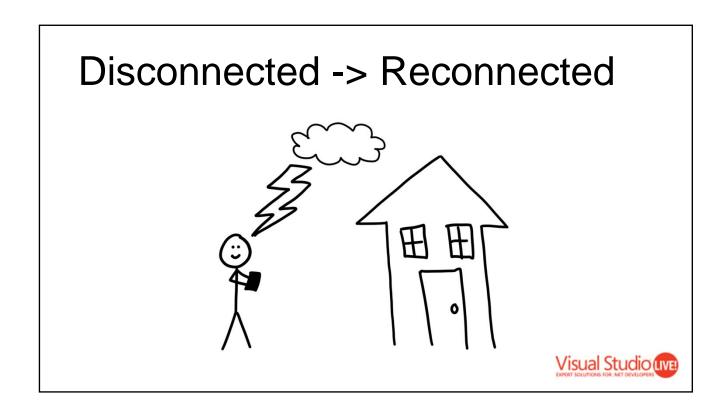


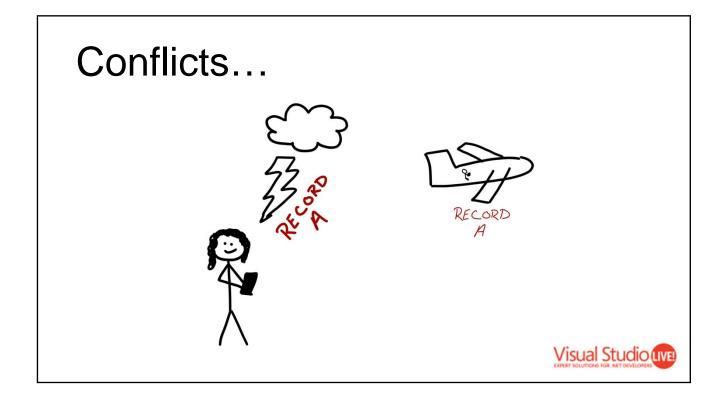


 $\ensuremath{\mathsf{TH03}}$  - Lessons Learned from Making Resilient Apps with Azure Mobile App Services - Matthew Soucoup

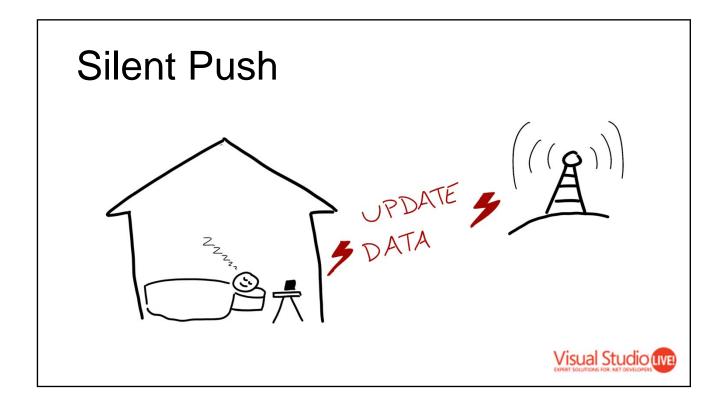






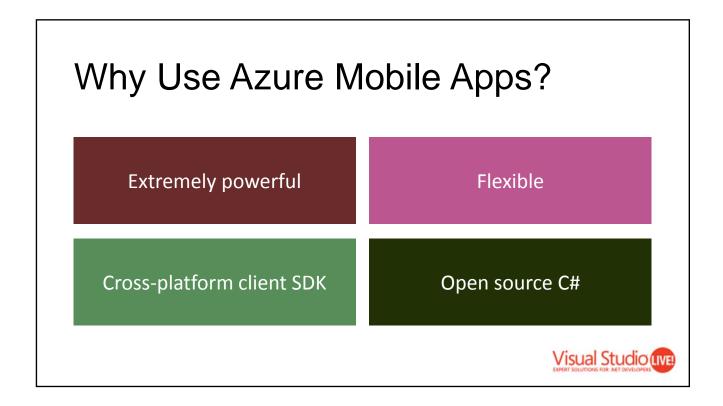


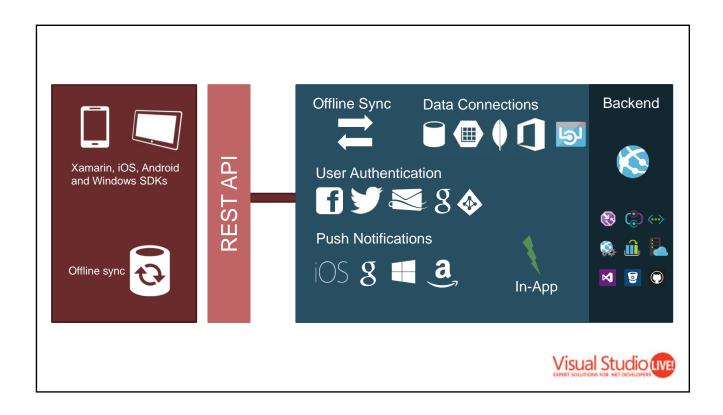


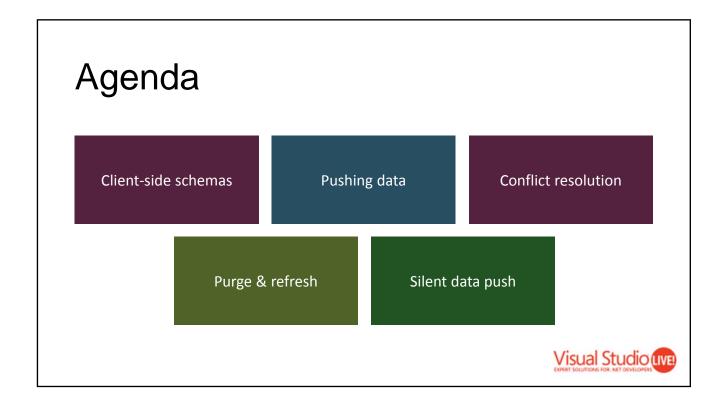


## Azure Mobile Apps





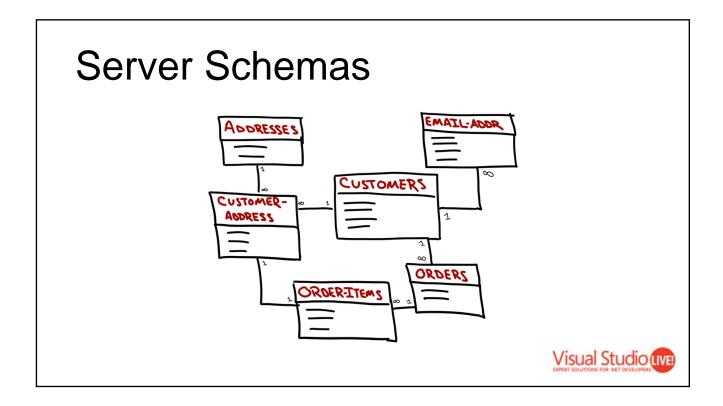




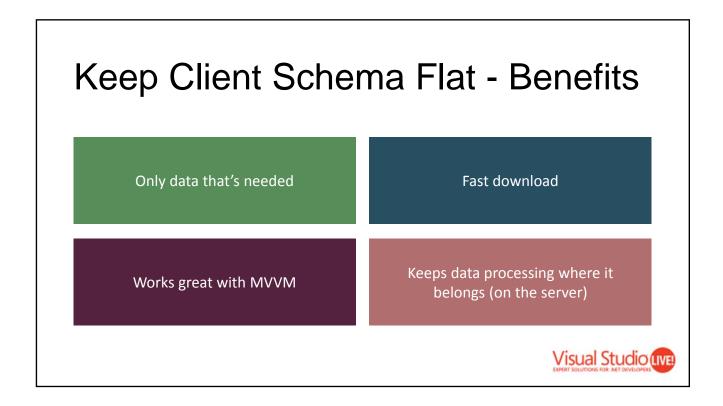
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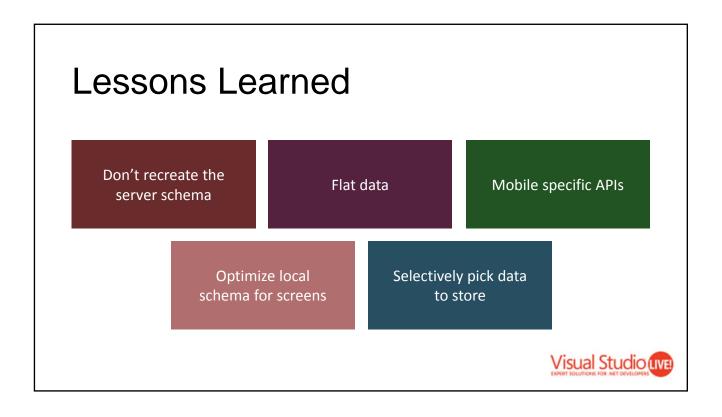
#### **CLIENT-SIDE SCHEMAS**





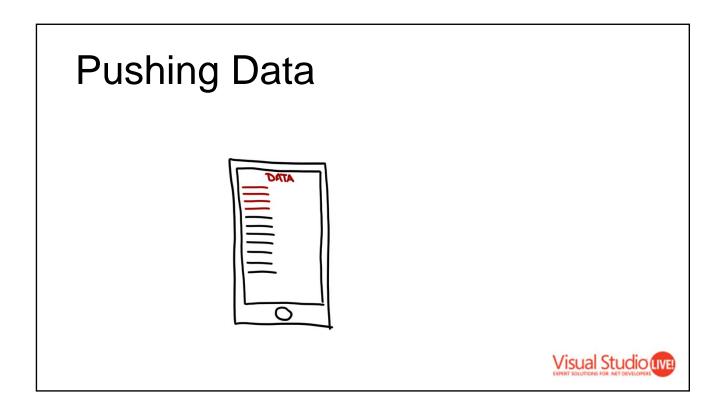


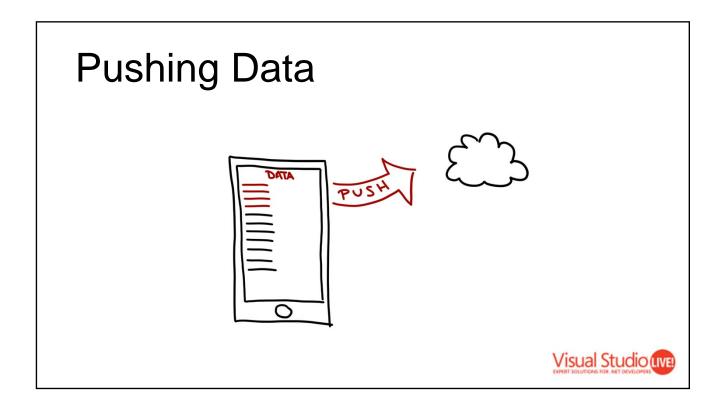


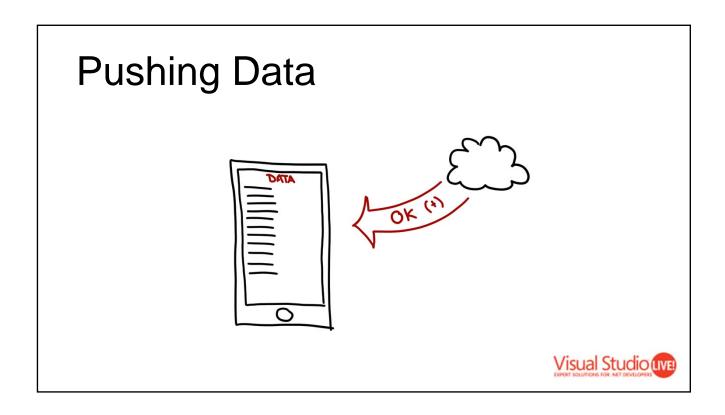


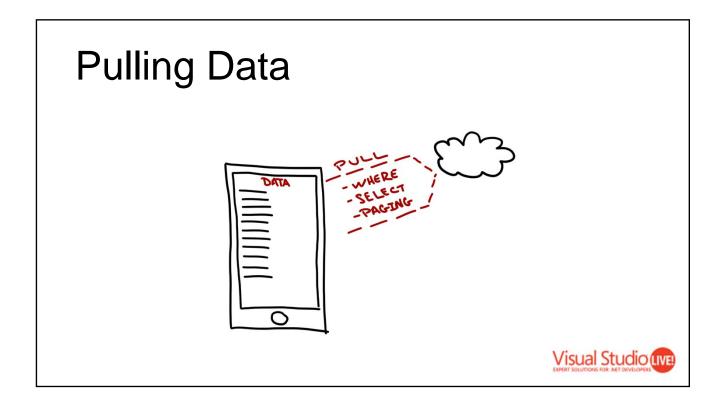
#### **PUSHING & PULLING DATA**

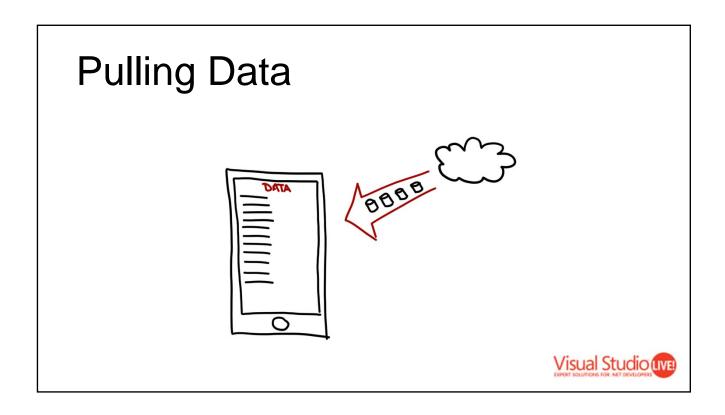






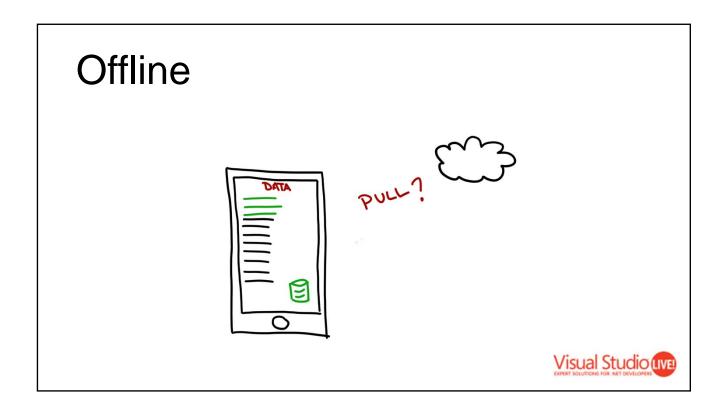


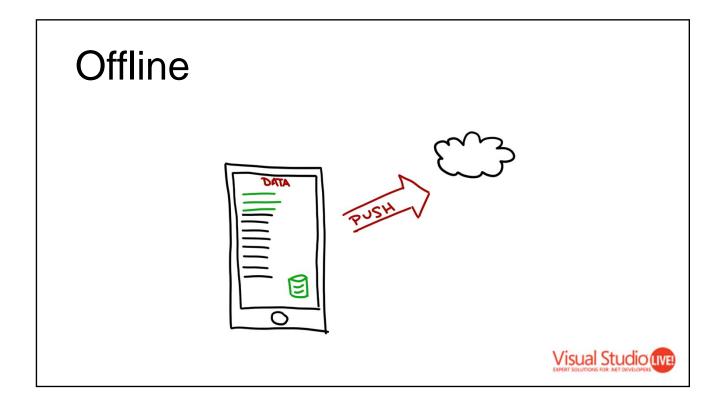




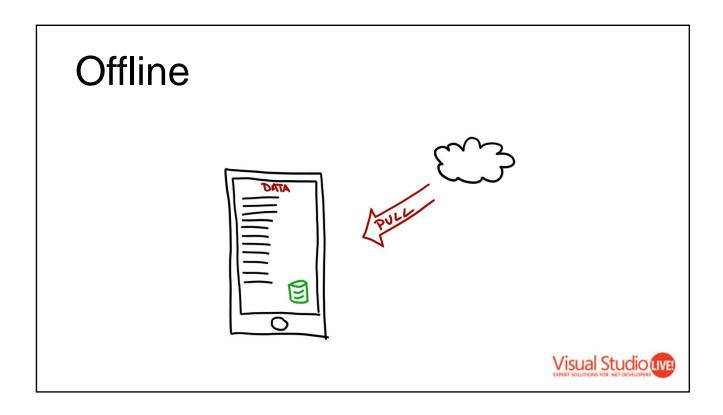


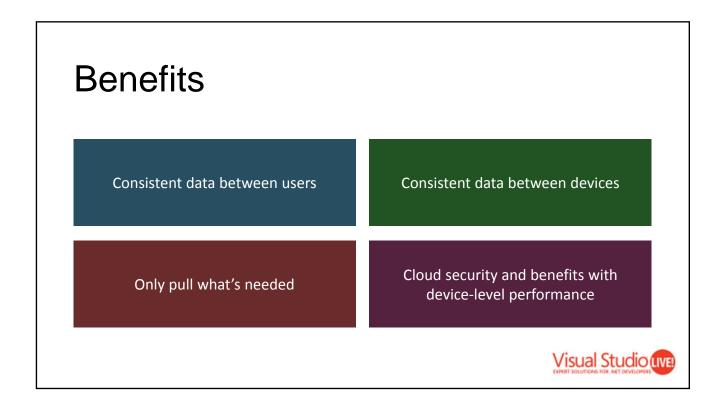
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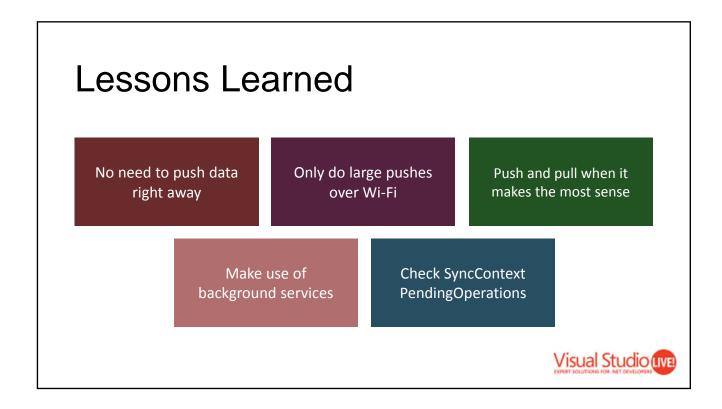


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## Demo

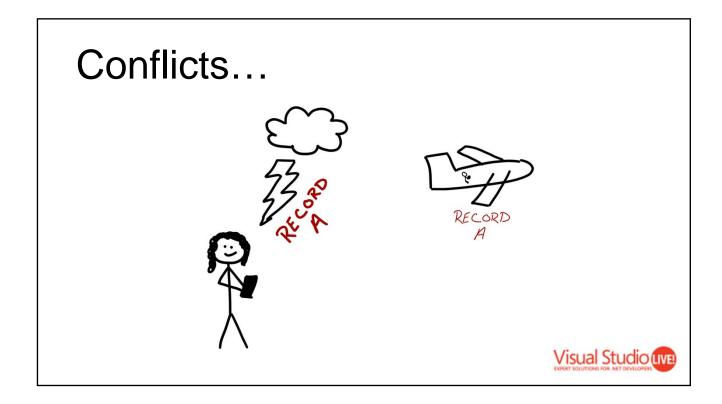
Resuming Upload of Pending Edits

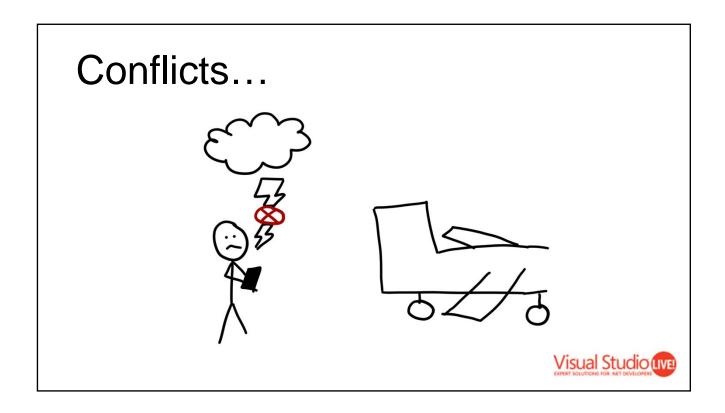


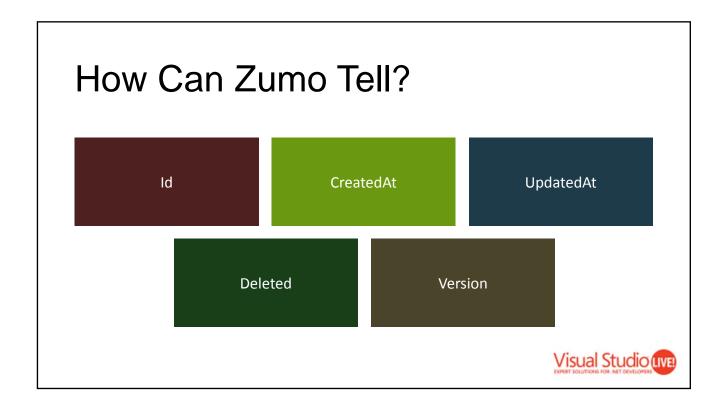


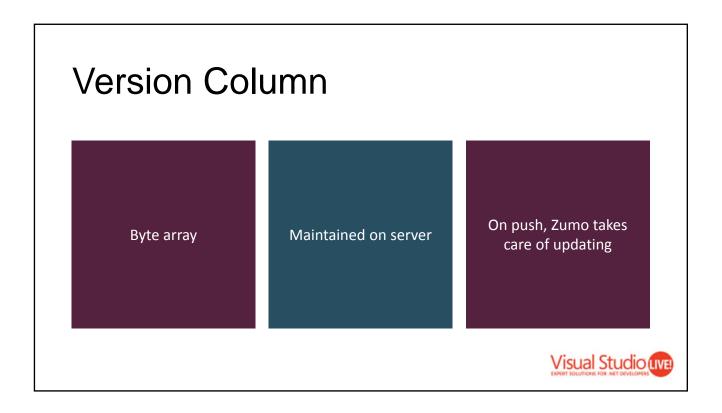
### **CONFLICT RESOLUTION**

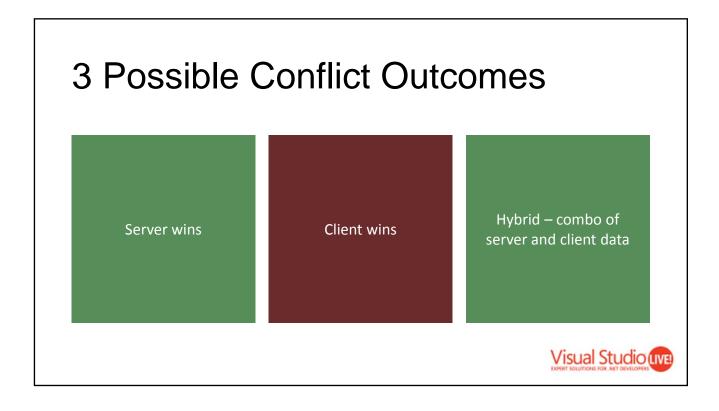


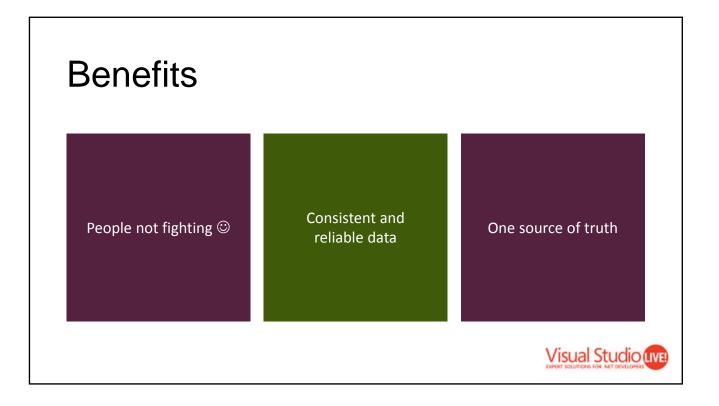








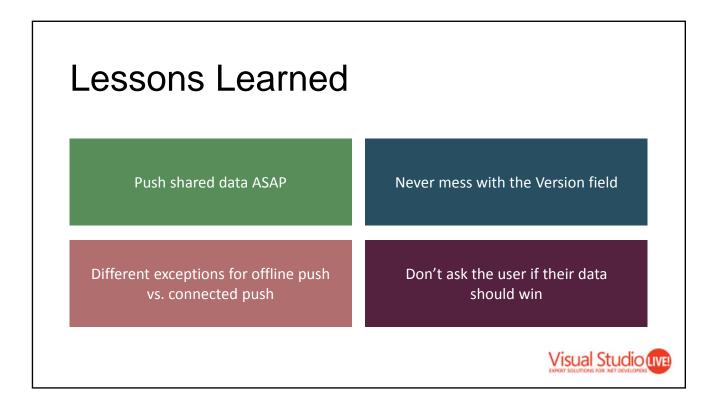




# Demo

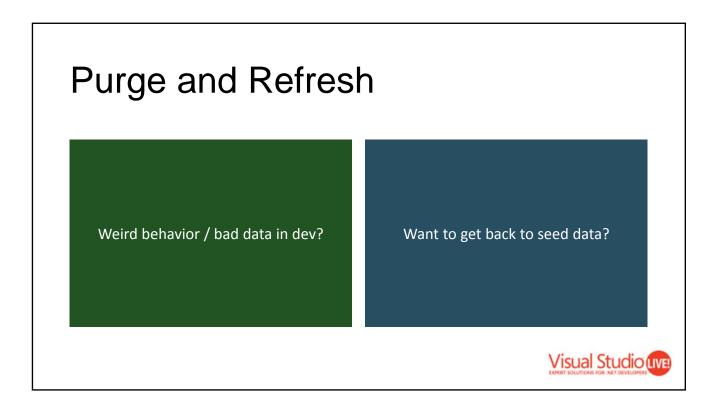
**Handling Conflict** 

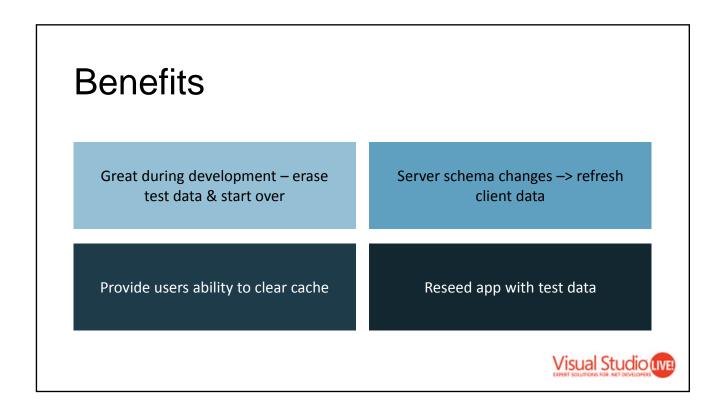




#### **PURGE & REFRESH**







#### **Visual Studio Live! Chicago 2017**

var query = syncTable.CreateQuery()
.Where(st => !st.SeedData);

syncTable.PurgeAsync("seed\_query", query, true, null);

- Create a query that defines data to purge
- Run "PurgeAsync" to delete data
- ◆ First parameter resets incremental sync query for all pulls
- 3<sup>rd</sup> parameter "forces" delete even with pending operations



### Lessons Learned

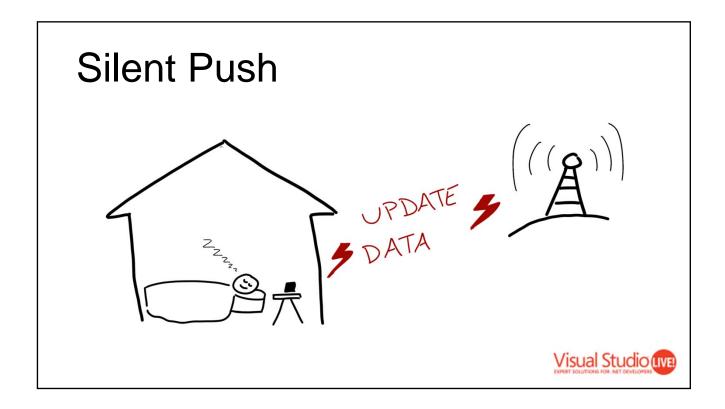
Do it early in the dev cycle

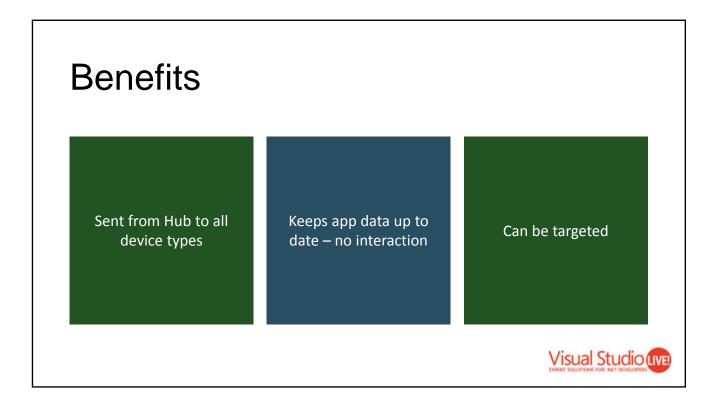
Seriously, do it super early



#### SILENT DATA PUSH









Silent Push



