

# Accelerating Adaptive UI with Serverless Cloud Backend

Presented by:

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**Dan Mitchell – Principal Sales Engineer** 

## A Tale of Two Companies



- Medium-sized IT parts distributor
- Online customer ordering
- All inside sales, no field presence
- Few CSRs handle customer issues
- Commercial OpenEdge-based ERP



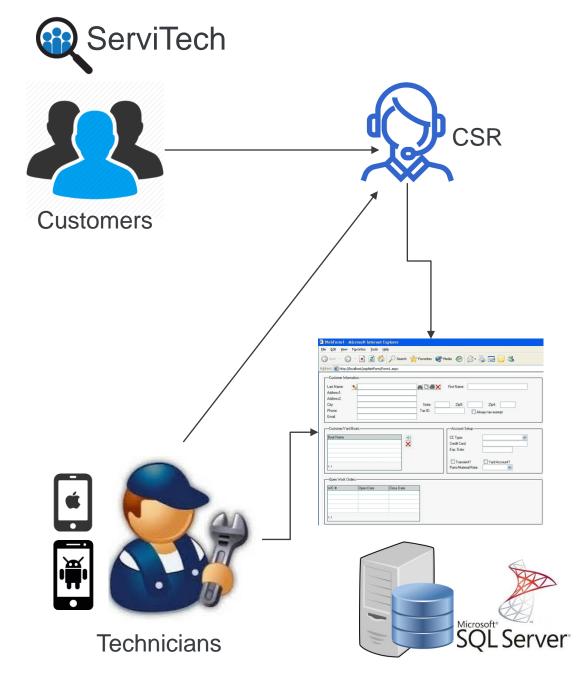
## ServiTech

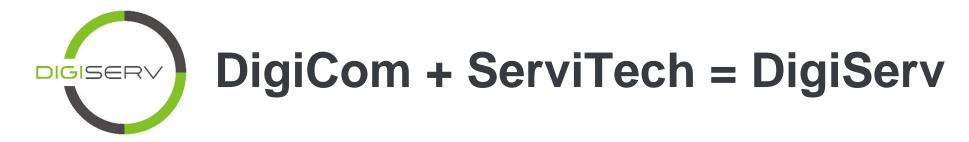
- Medium-sized field services company
- Lots of CSRs handle customer requests
- CSRs dispatch requests to technicians
- Techs work remote, using own devices
- CRM & Service System are .NET/MSSQL





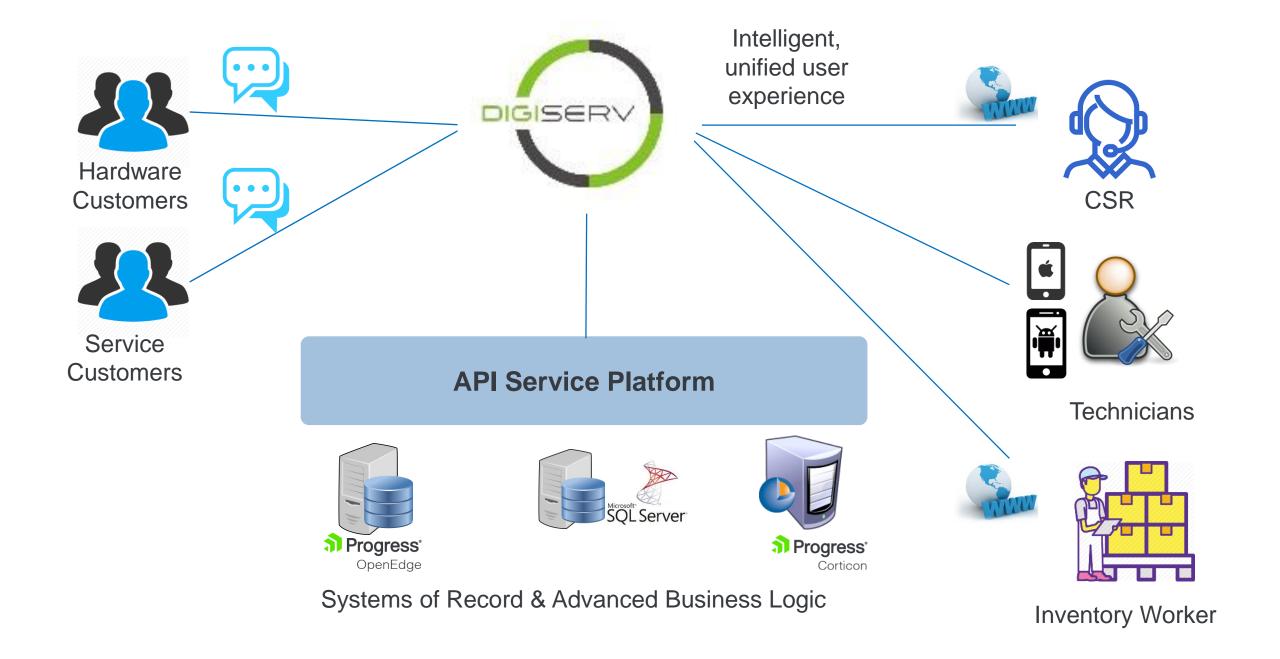






#### **Challenges:**

- Post-merger joint CSR team downsized 75%
  - How do they support volume and diversity of inbound service requests?
- DigiCom needs access to ServiTech backend system
  - To deliver inventory/shipping notifications to field technicians
- ServiTech needs remote access to DigiCom backend system
  - Techs need to research and order replacement parts from the field
- Field techs need modern mobile apps
  - To leverage device features like geolocation, camera, messaging, push notifications...
- Growth strategy is aggressive diversification of products sold and serviced
  - How best to maintain ever more complex and numerous technician assignment rules?



## What You Will See Today



User system down



Technician Acknowledges



Stock replenished via web app



Live Chat to schedule service



Contact Customer



Technician notified



Technician assigned



Order needed parts



Service completed



Technician notified



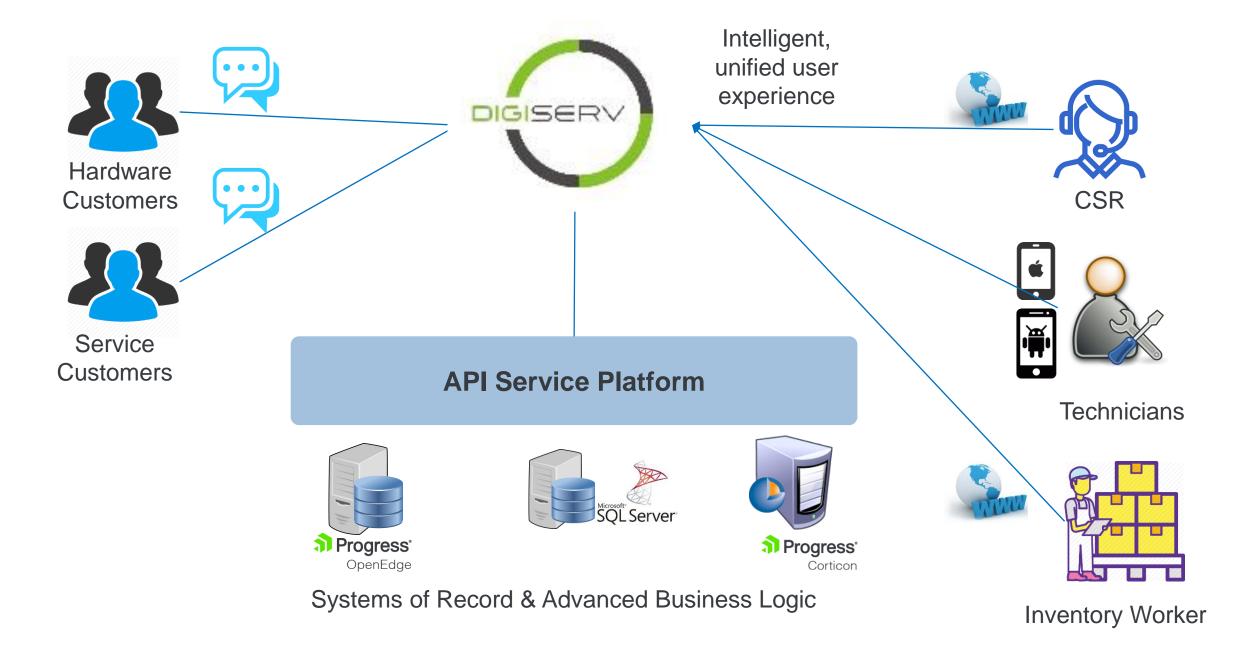
Needed part out of stock



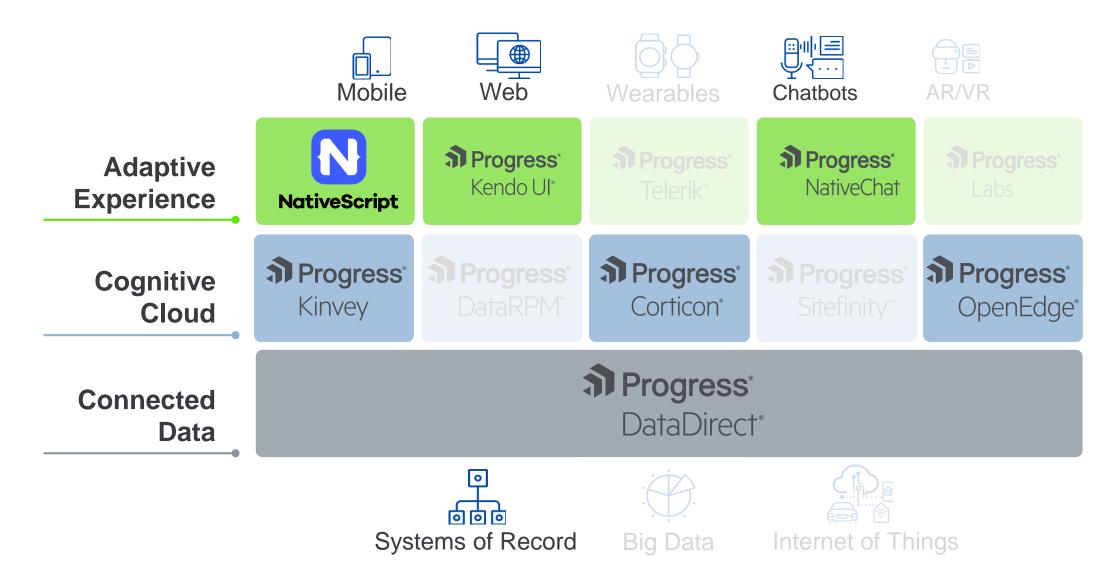
Customer Acknowledge



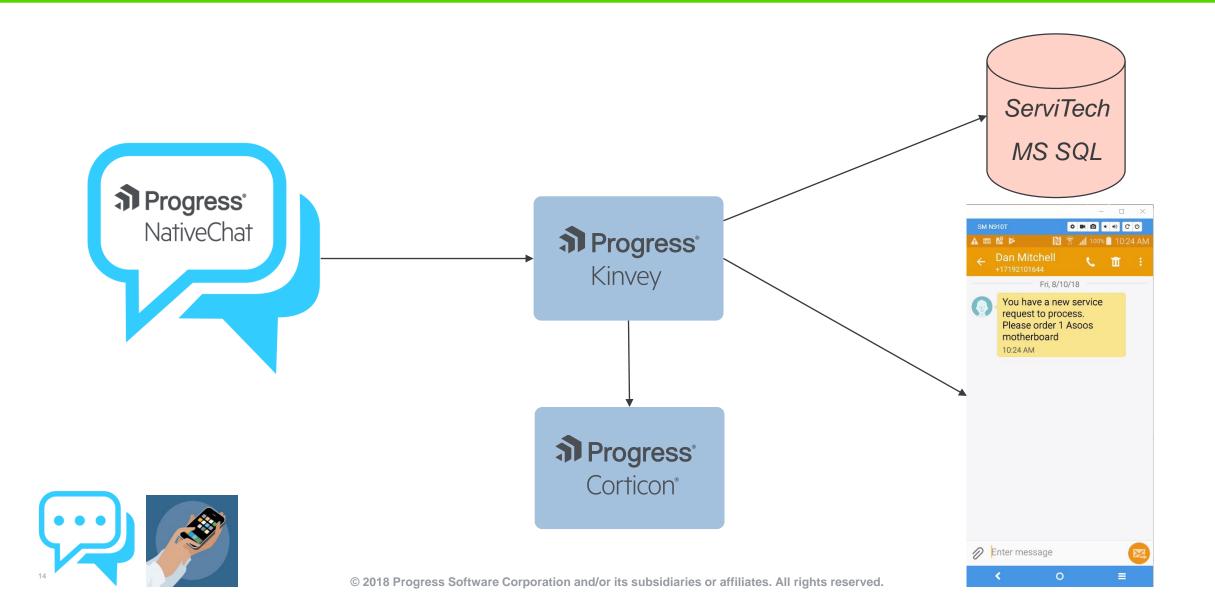
# Field Service Demonstration



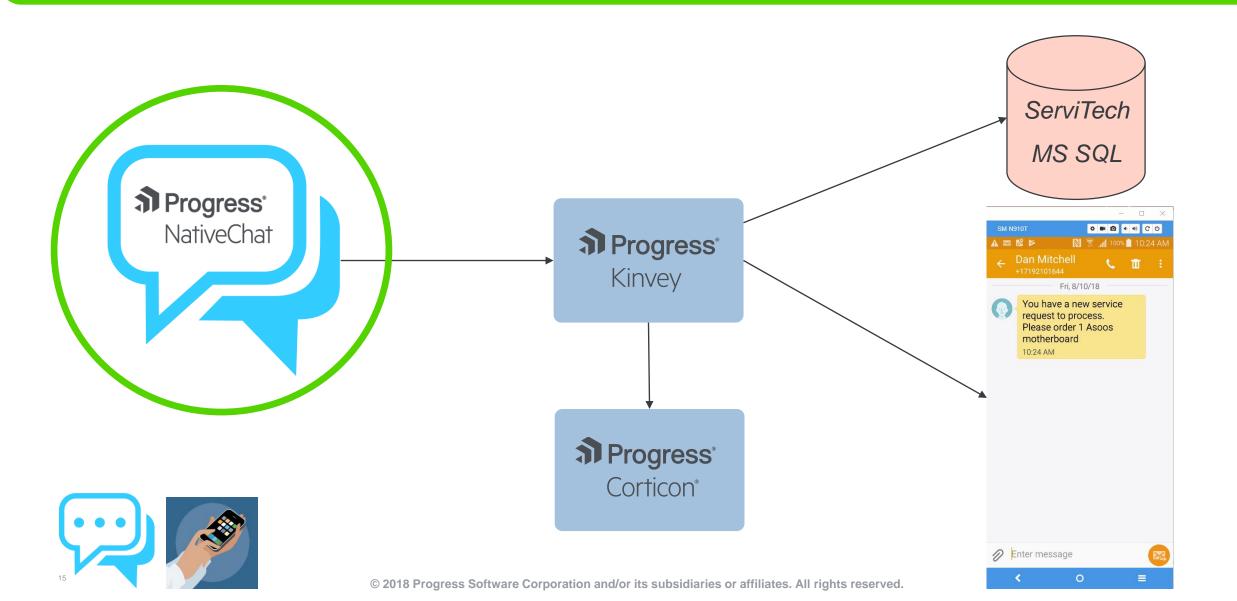
## The Progress Cognitive-first Platform



#### Demo Step 1: WHAT DID YOU SEE: Chat Bot, mBaaS, Biz Rules, MSSQL and SMS



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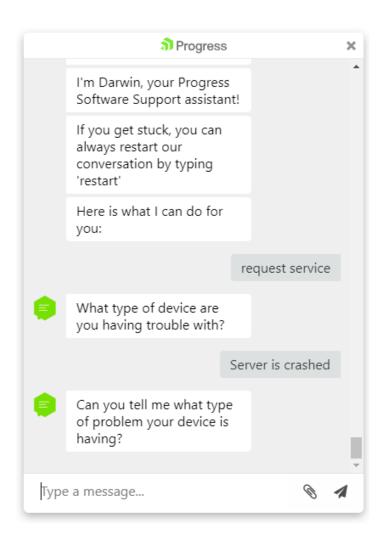


#### **Intelligent Chat Experience**

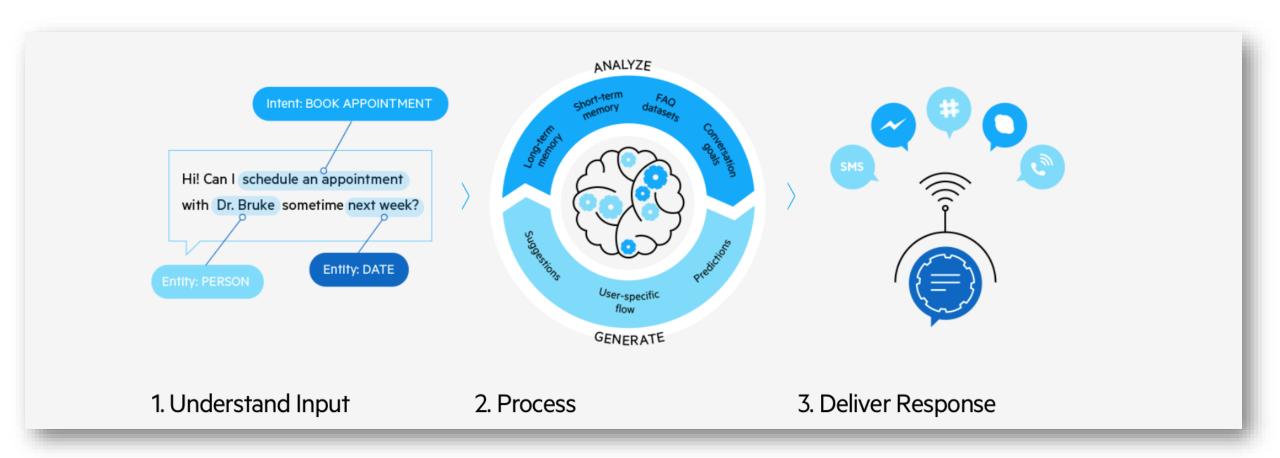
## Al powered, goal driven conversation experiences

- Reduce cost and overload of your contact center
- Increase revenue with new social media and web customer communication channels
- Retain and delight more customers with better customer experiences
- Digital leadership makes you competitive, relevant and cutting edge





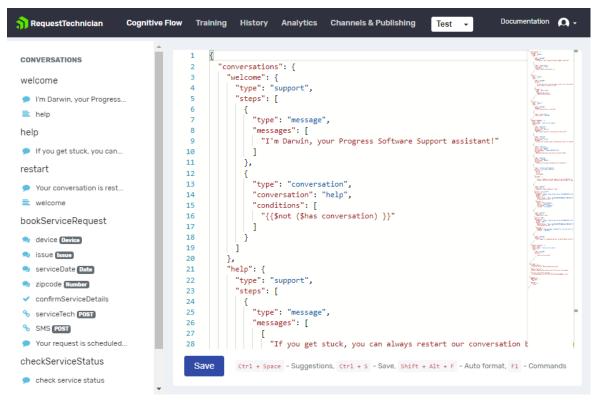
### **How NativeChat Works**



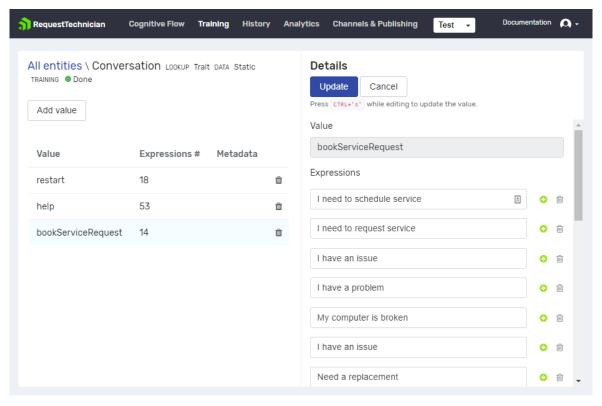


#### **Intelligent Chat Experience**

#### **Declarative based Cognitive Flow**

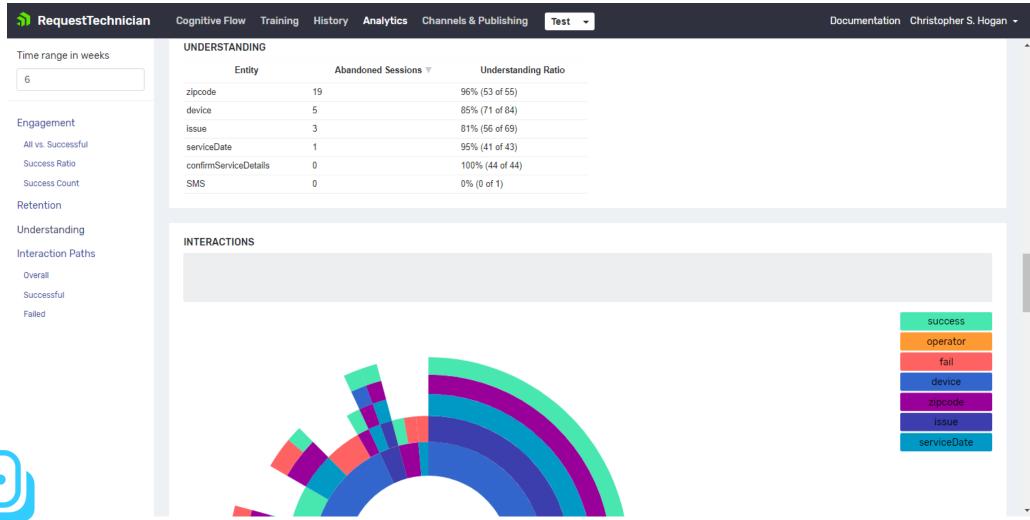


#### Synonym based training



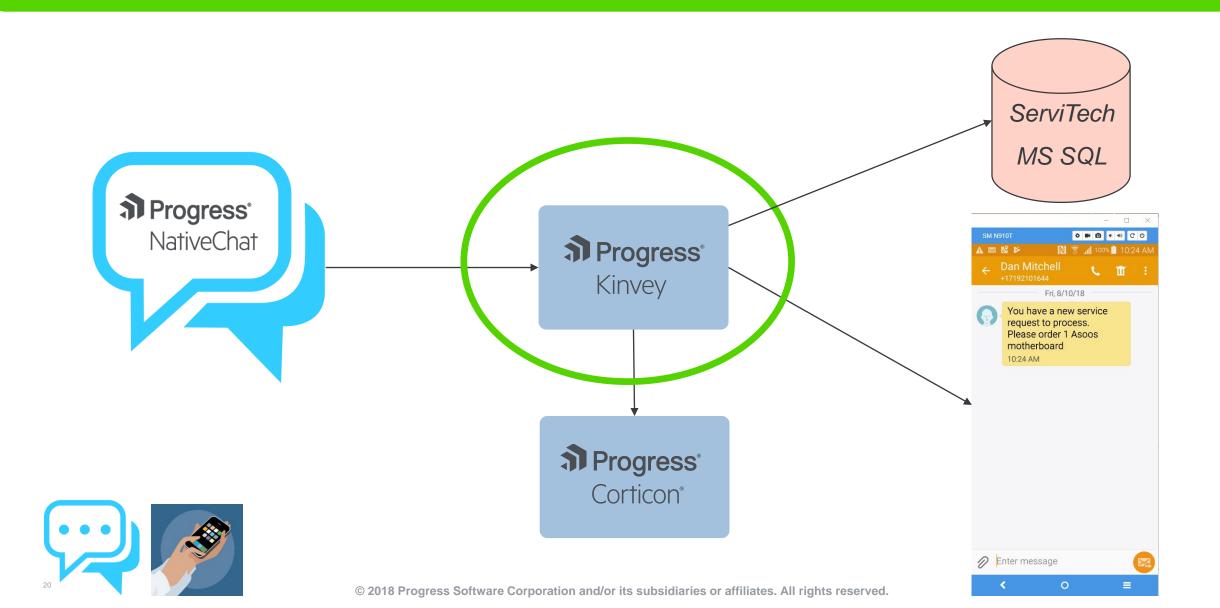


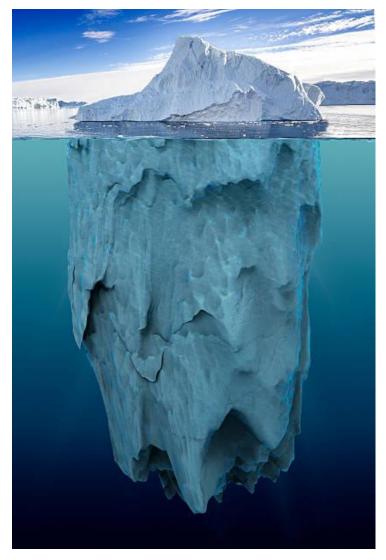
#### **Intelligent Chat Experience**





#### Demo Step 1: WHAT DID YOU SEE: Chat Bot, mBaaS, Biz Rules, MSSQL and SMS





























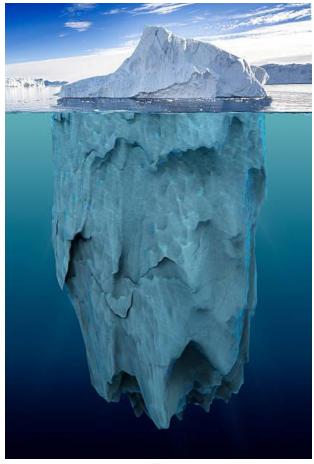






































Integration

Orchestration

Security

Compliance

Disconnection

**Notifications** 

Scalability

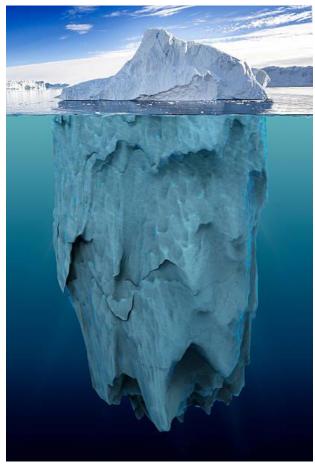
Reliability











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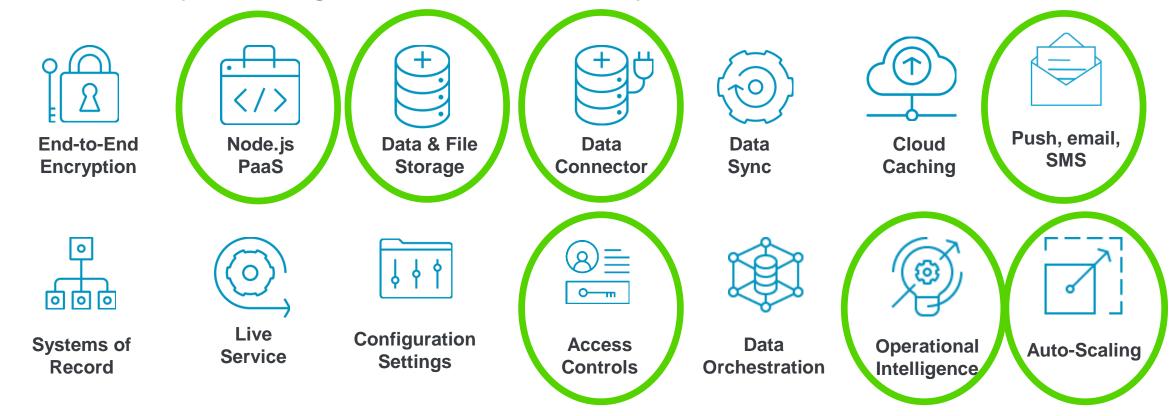






#### **Kinvey Cloud Service Accelerators**

Leverage more than 20 integrated, configurable and secure serverless cloud services to reduce development, integration, maintenance and operations costs.



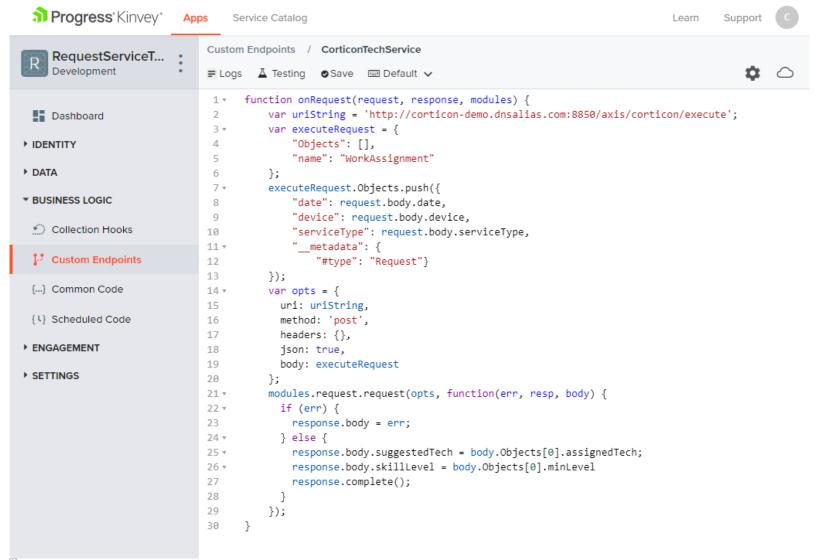








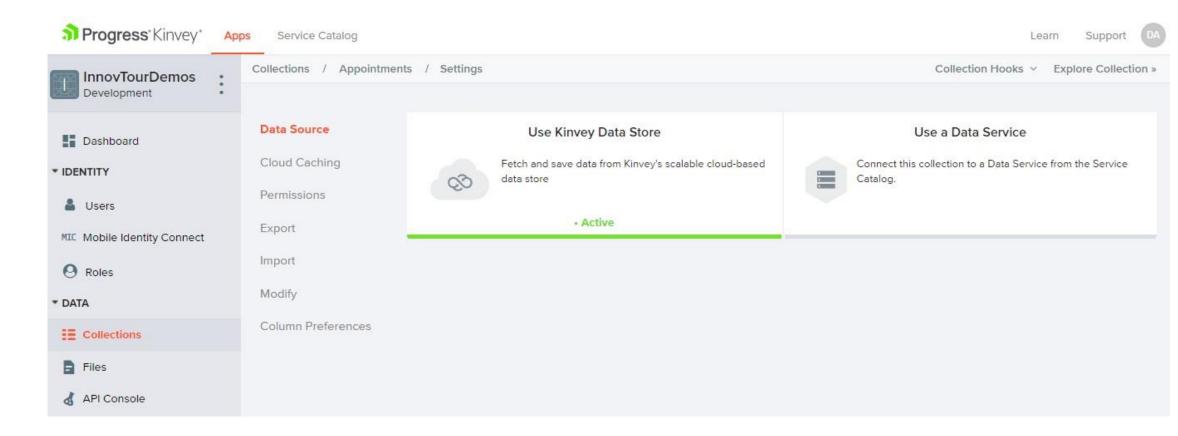
#### Backend as a Service – Business Rules as a Service









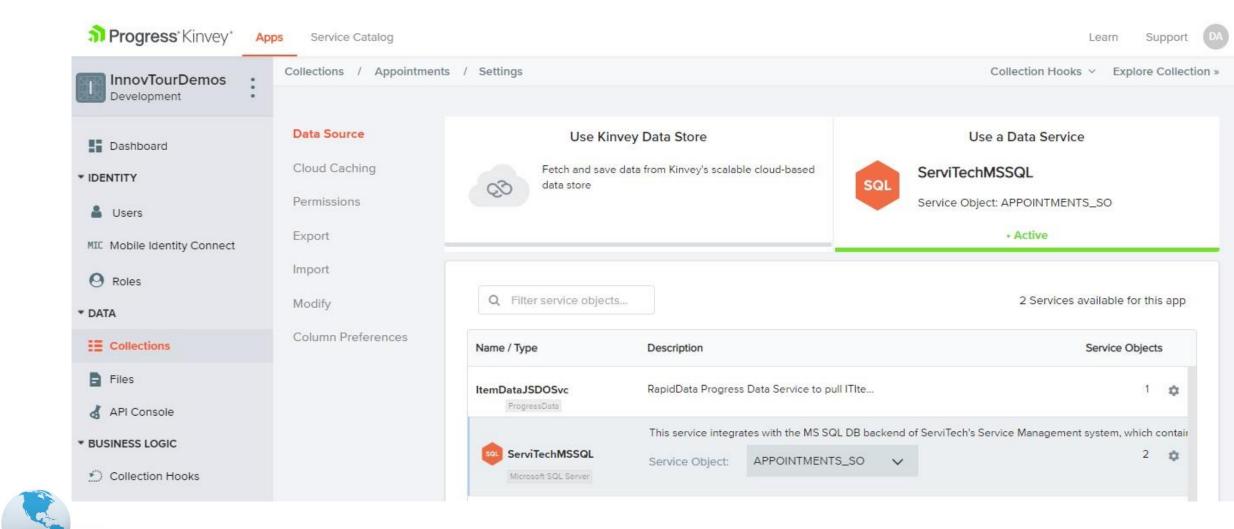




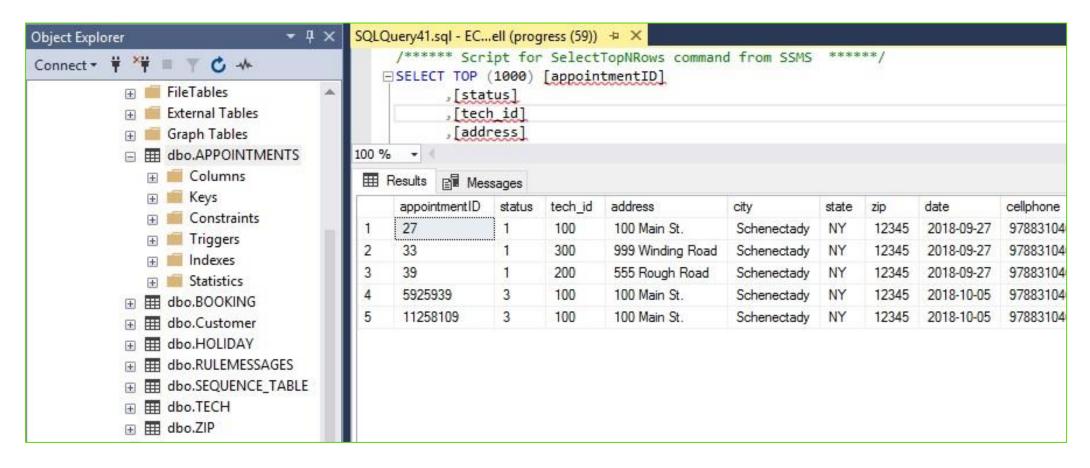
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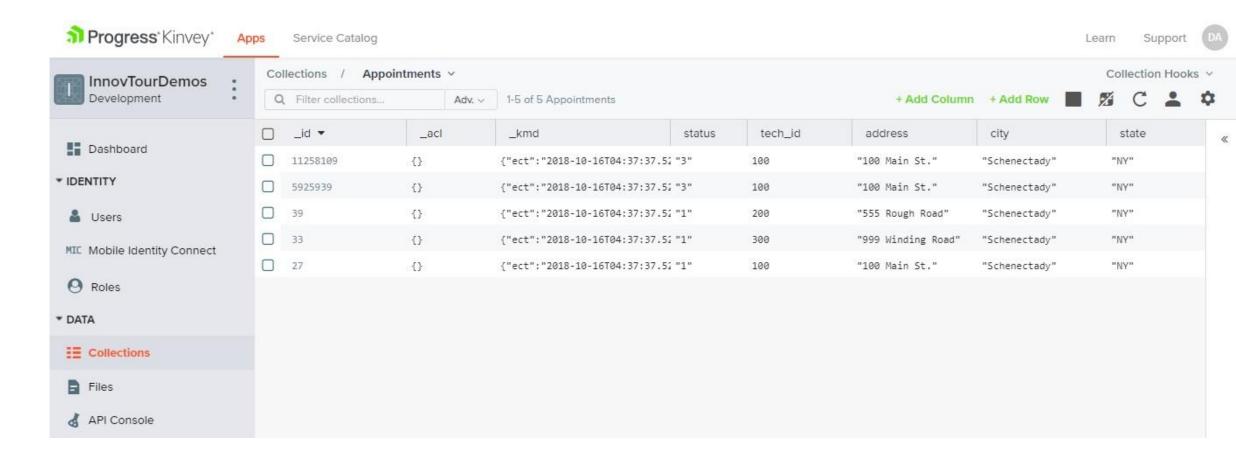


#### Backend as a Service – MSSQL Service Appointment Data



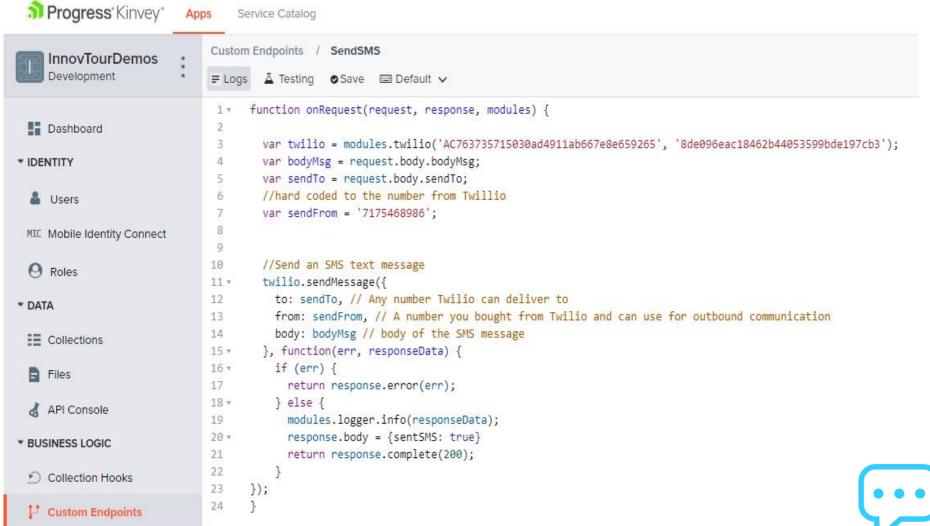


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#### **Backend as a Service – SMS Gateway**

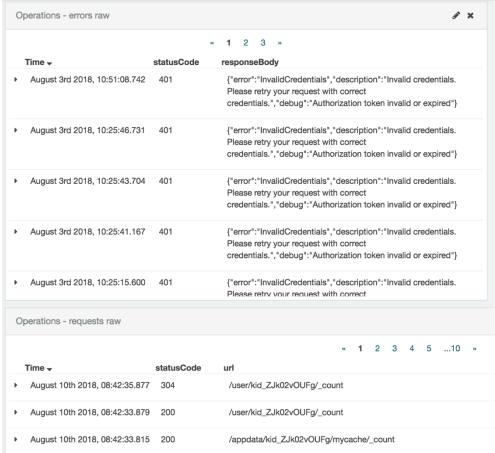








#### Backend as a Service – Operational Intelligence





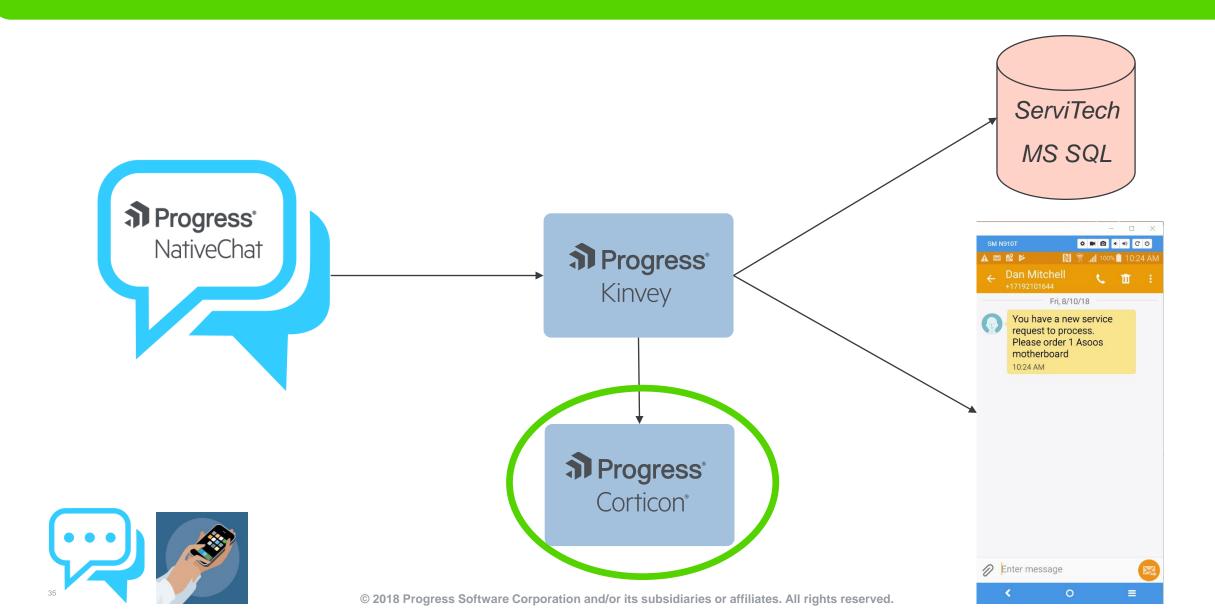






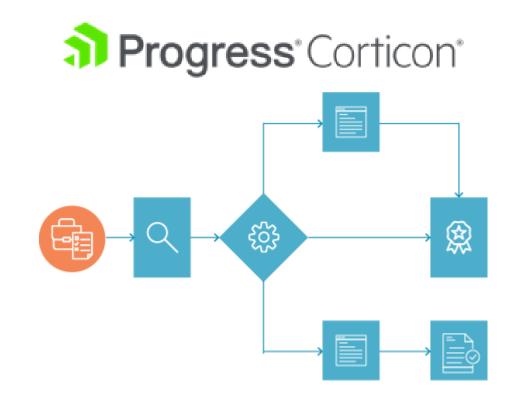


#### Demo Step 1: WHAT DID YOU SEE: Chat Bot, mBaaS, Biz Rules and SMS

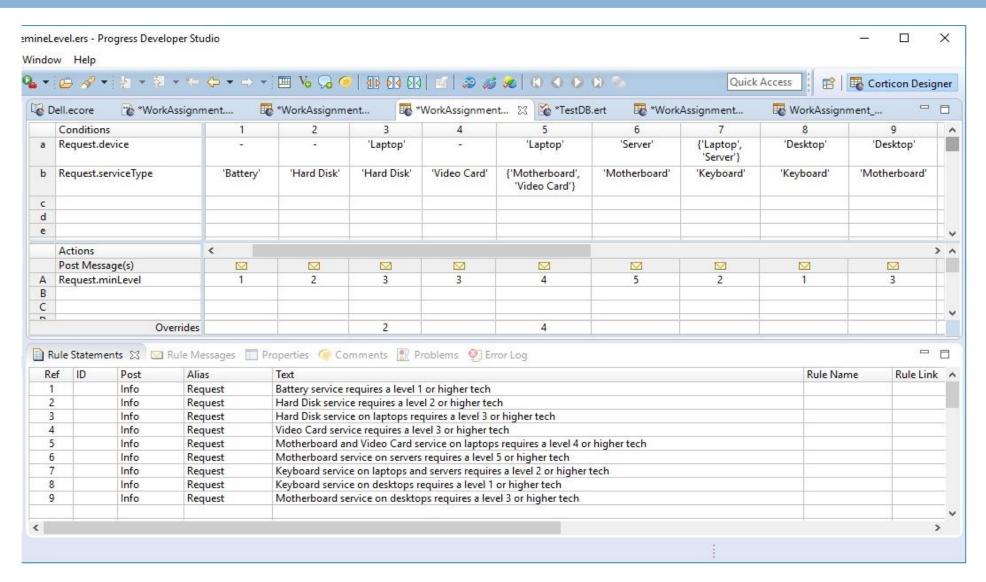


#### Empower business users to manage business rules

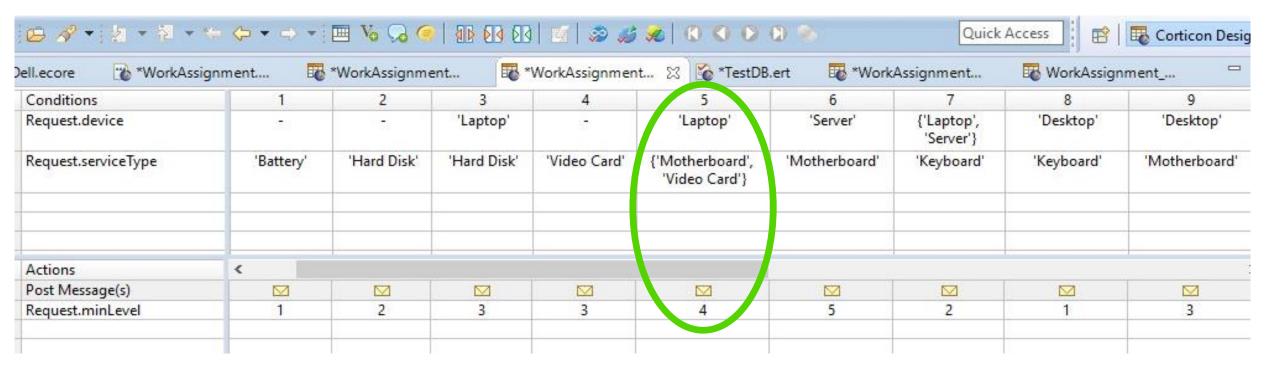
- Empower subject matter experts
- Reduce burden on development teams
- Industry leading performance & scalability





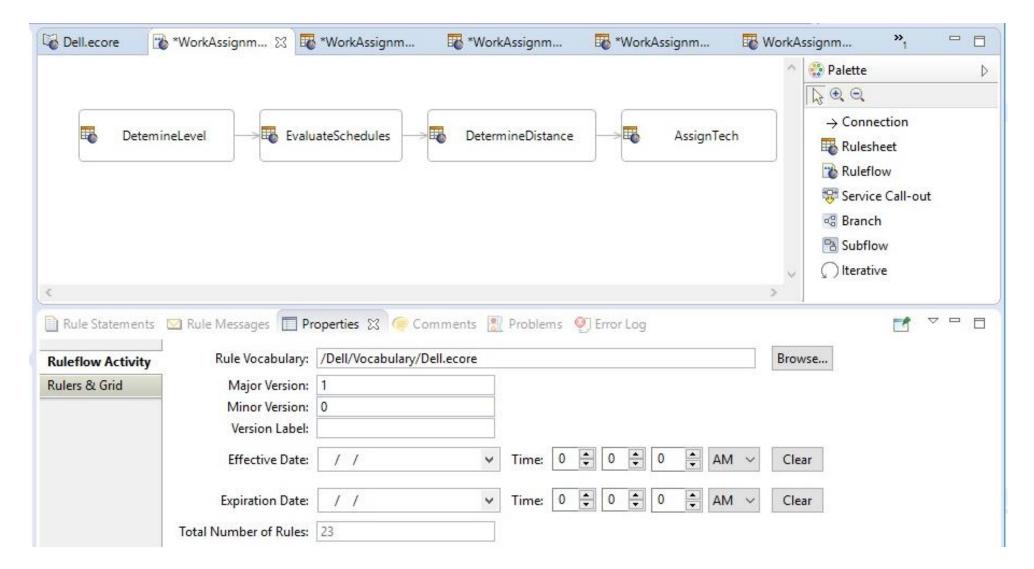






If the device type is a laptop AND the service type is motherboard or video card replacement then the minimum technician skill level required for that service task is 4





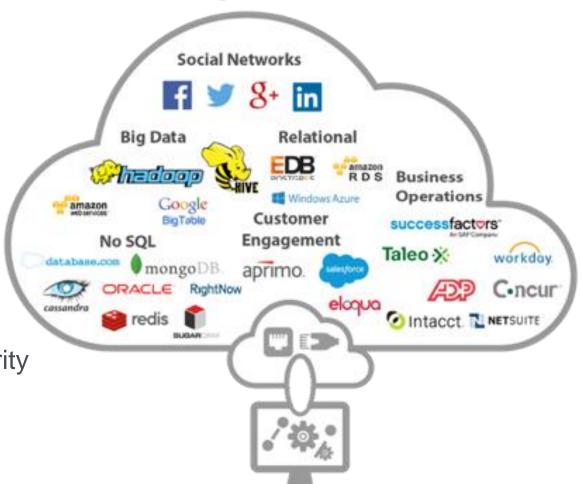


#### **Data Connectivity**

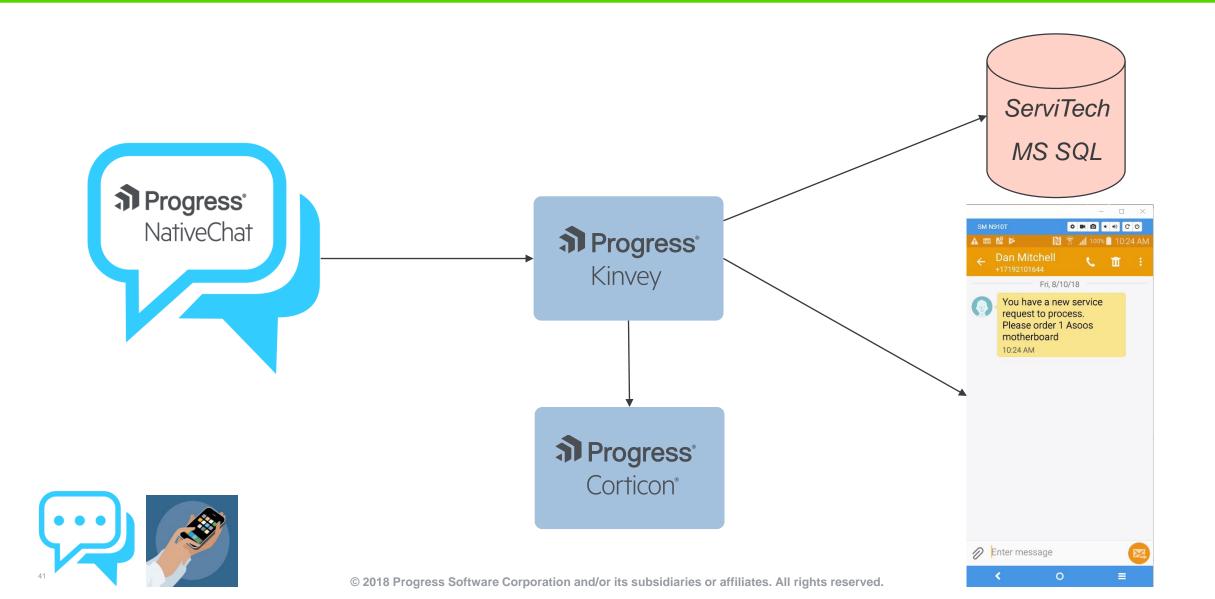
#### The Industry Standard for Data and Application Connectivity



- 9 of the top 10 BI vendors embed DataDirect
- Long history of industry standards leadership
- Patented hybrid integration approach
  - cloud / on-premise / both
- Best-in-class performance, scalability and security



#### Demo Step 1: RECAP WHAT YOU SAW: Chat Bot, mBaaS, Biz Rules, MSSQL and SMS



#### Demo Step 2a: WHAT DID YOU SEE: Native Mobile App and mBaaS



#### Demo Step 2a: WHAT DID YOU SEE: Native Mobile App and mBaaS



#### **Mobile App Development – What is the Challenge?**

- "Swift" for Apple
- "Java" for Android
- Develop the same app twice
- Try to keep apps looking the same and code in sync





#### **Mobile App Development – What is the Answer? NATIVESCRIPT!**

 Create truly native iOS and Android apps from a single codebase in JavaScript, TypeScript or Angular

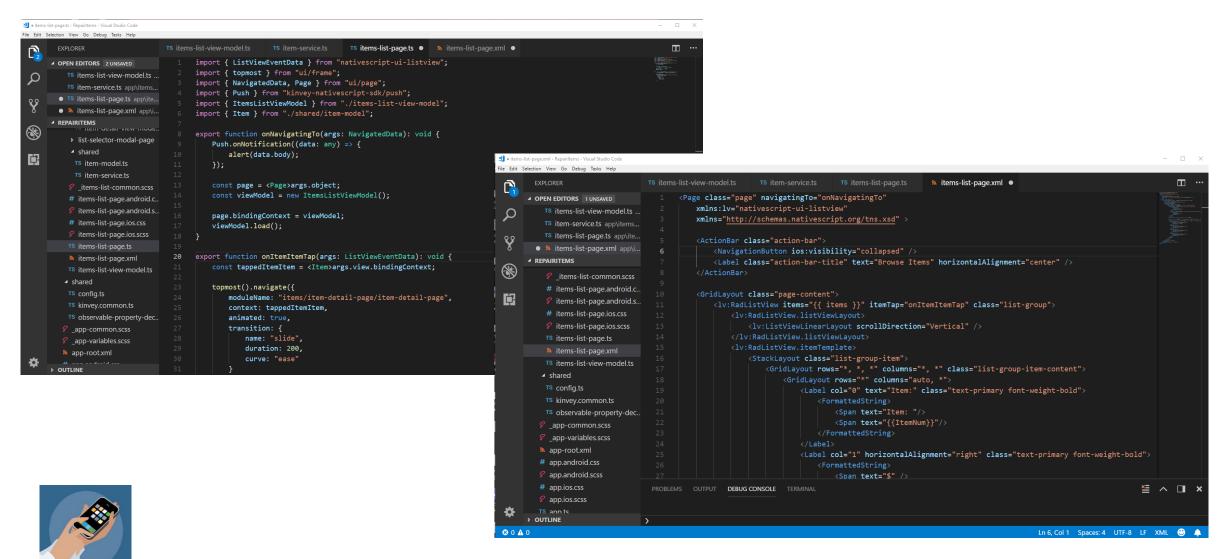


- No need to write bridging code. All native functionality is available from single codebase.
- Get native performance and user experience



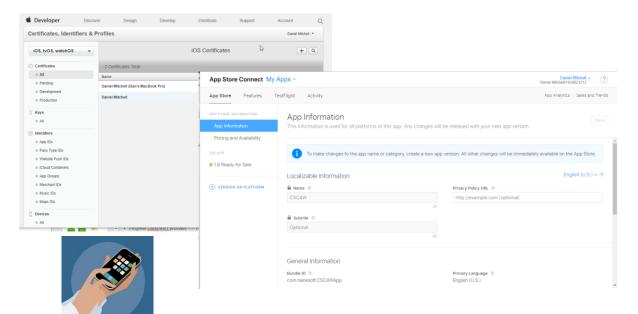


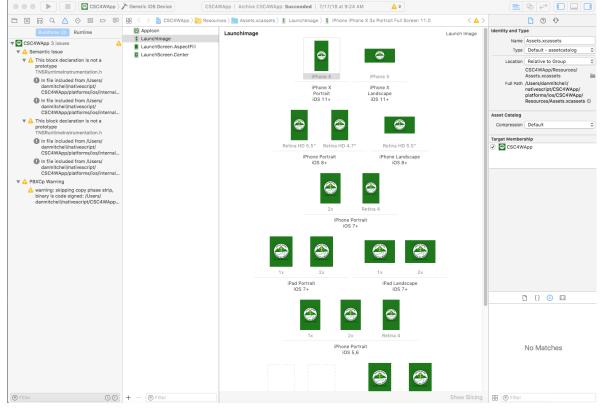
#### **NativeScript Development – Javascript and HTML**



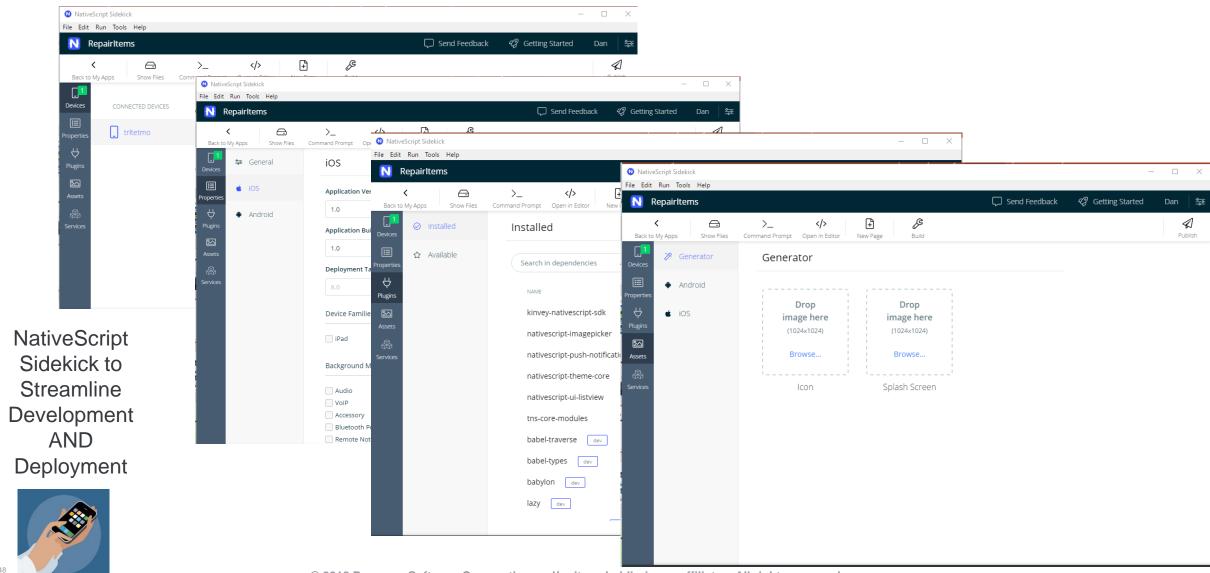
#### **Mobile App Deployment – What is the Challenge?**

- App Store deployment must have a Mac
- Settings for App in Store
- Icons and App Store Images

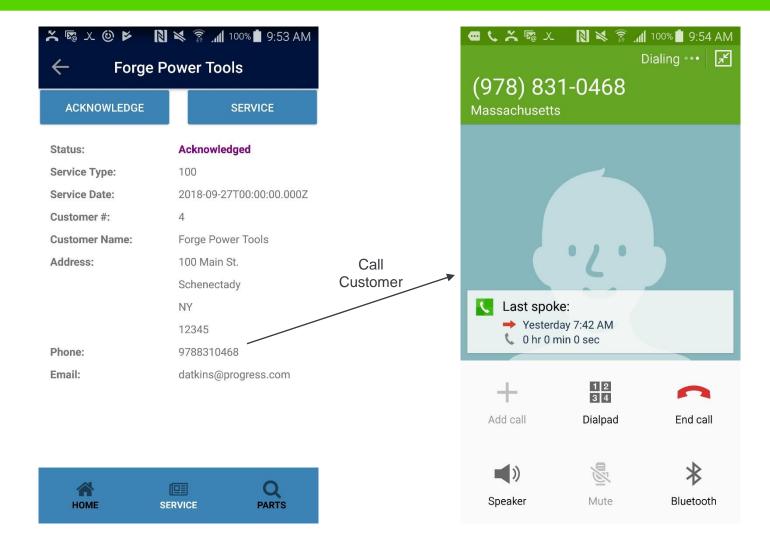




#### **Mobile App Deployment – What is the Answer? NATIVESCRIPT SIDEKICK!**

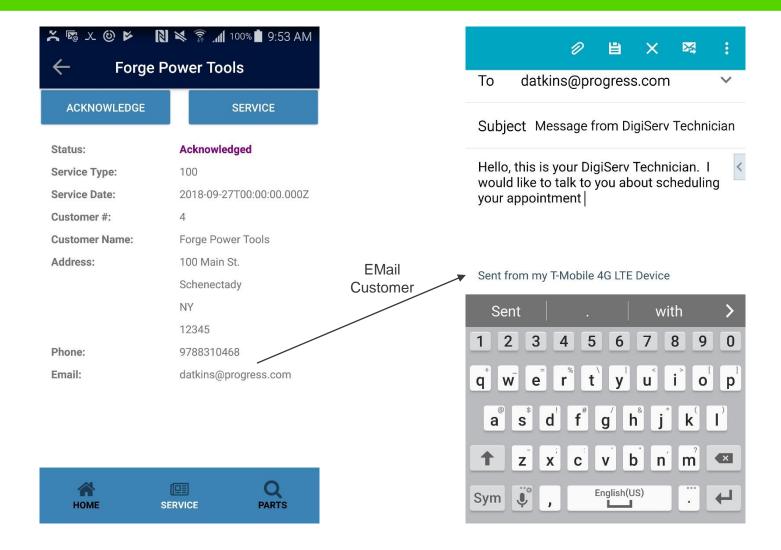


#### **NativeScript - Native Device Functionality**



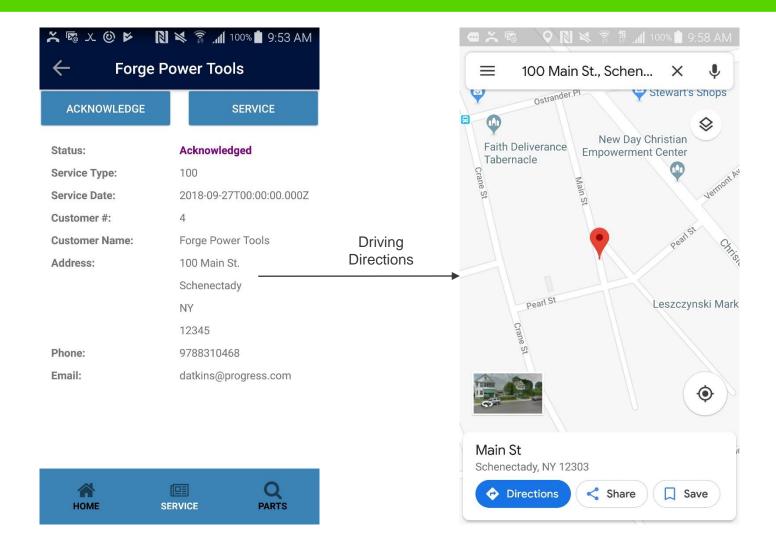


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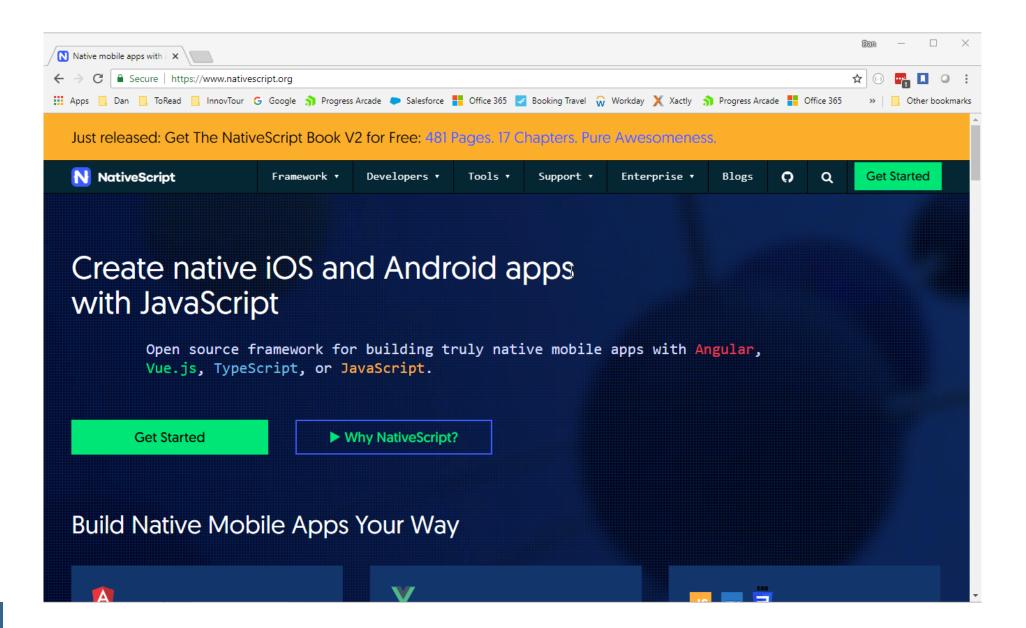
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#### Demo Step 2a: WHAT YOU SAW: Native Mobile App and mBaaS







#### Demo Step 2b: WHAT DID YOU SEE: Native Mobile App and mBaaS



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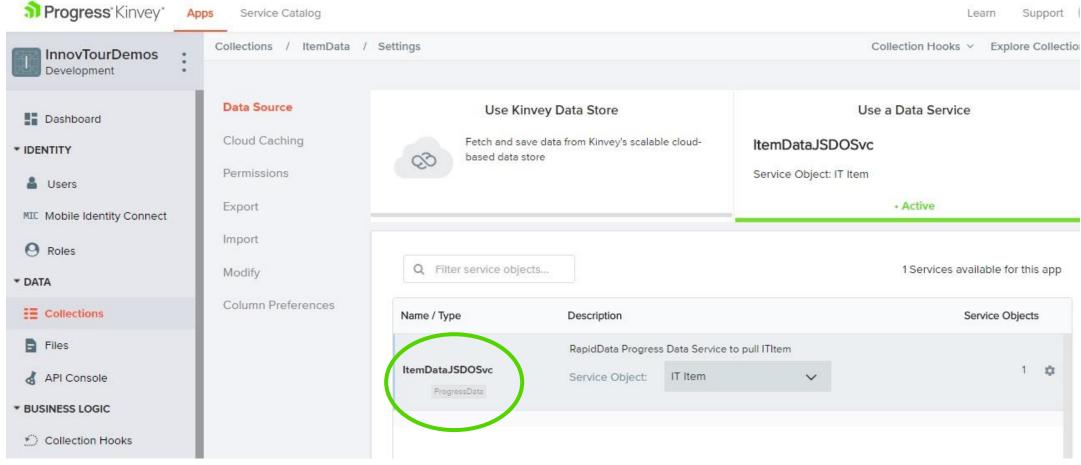


## Backend as a Service - OpenEdge Data

ItemNum ItemName  1 Asoos Motherboard AB	Manufacture	r ManufacturerSKU	VendorSKU	n.				
1 Asoos Motherhoard AR			Terradiono	Price	OnHand	Category1	Category2	Detail1
A3003 Woodicibodid Ab	C123 Asoos	MB12345	AcmeMB12345	199.95	127	Computer parts	Motherboards	4 DIMM slots - max RAM 64
2 GigaBite Motherboard >	YZ007 GigaBite	MB987	AcmeMB55555	299.95	127	Computer parts	Motherboards	6 DIMM slots - max RAM 96
3 GTX 1050	GoFarce	GTX1050	GTX1050	159.95	12	Computer parts	Video Cards	2GB GDDR5
4 Intellimouse	Mirco Soft	HDQ-0001	Classic Intellimouse	39.99	20	Computer parts	Input Device	USB 2.0
5 Sculpt Comfort Keyboa	d Mirco Soft	L3V-0001	Sculpt Comfort	79.99	20	Computer parts	Input Device	USB 2.0

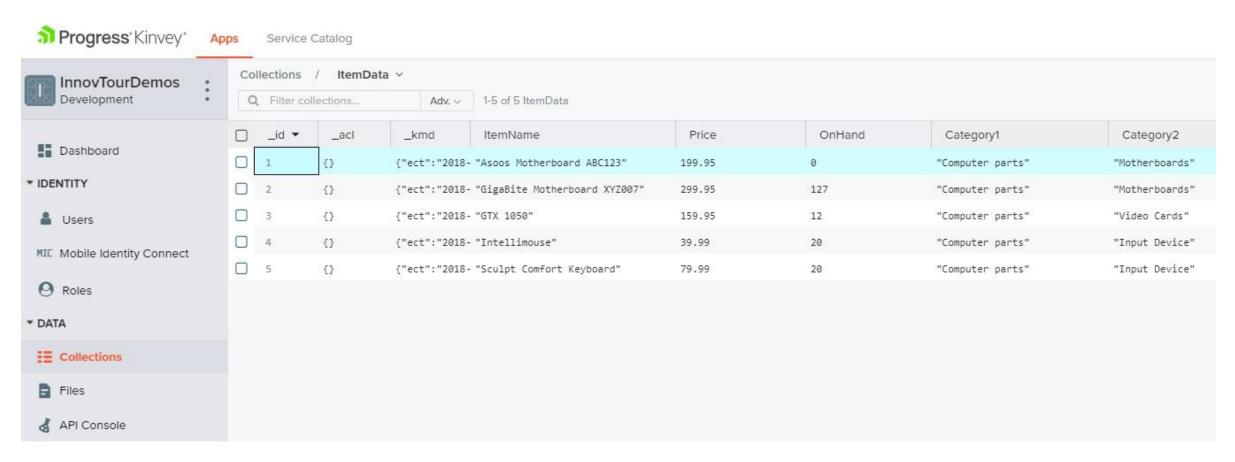


#### **Backend as a Service - Data Connectivity**



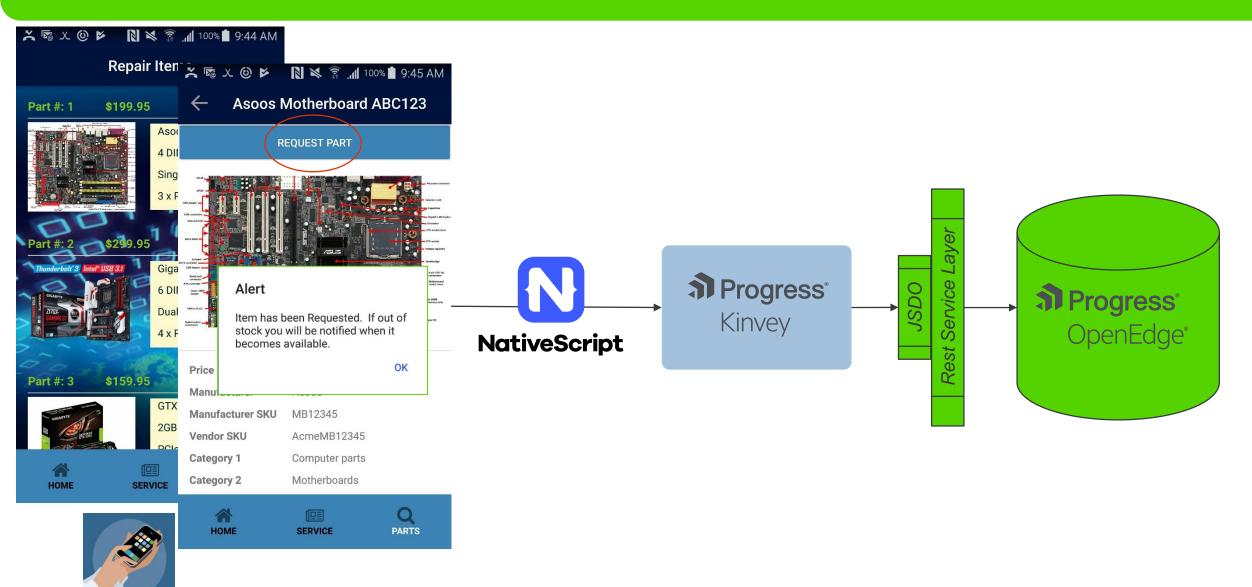


#### **Backend as a Service - Data Connectivity**

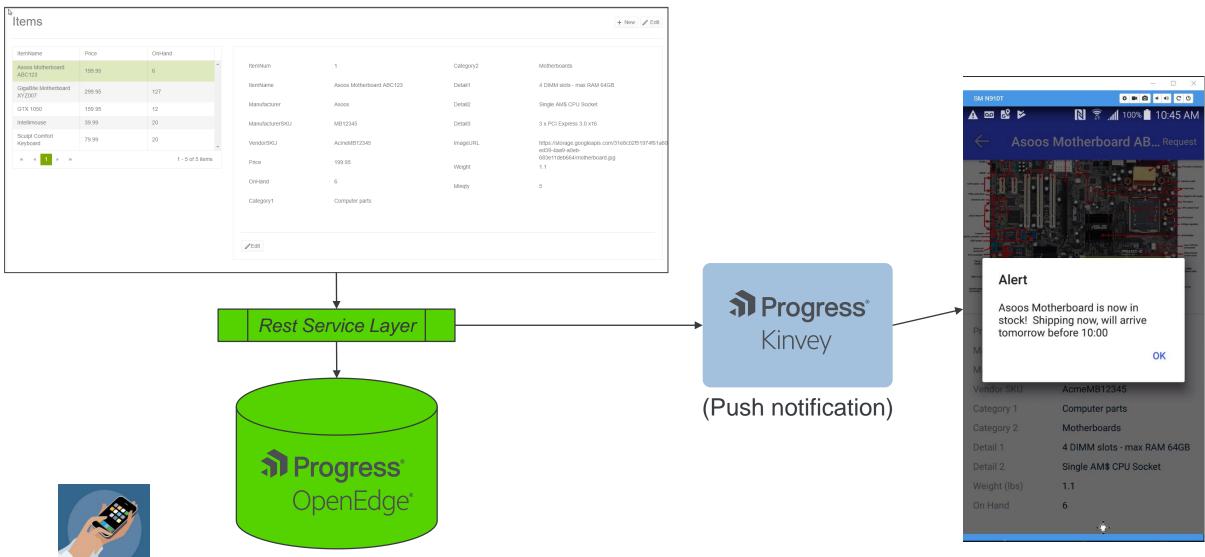




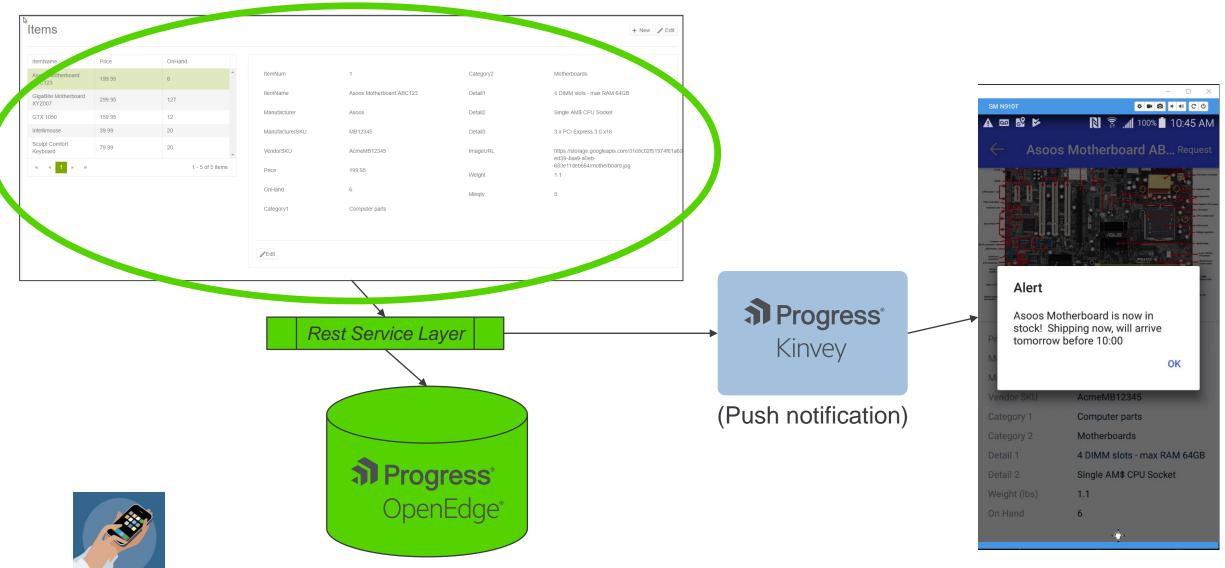
## Demo Step 2b: WHAT YOU SAW: Native Mobile App and mBaaS



#### Demo Step 3: WHAT DID YOU SEE: Responsive Web and Push Notifications

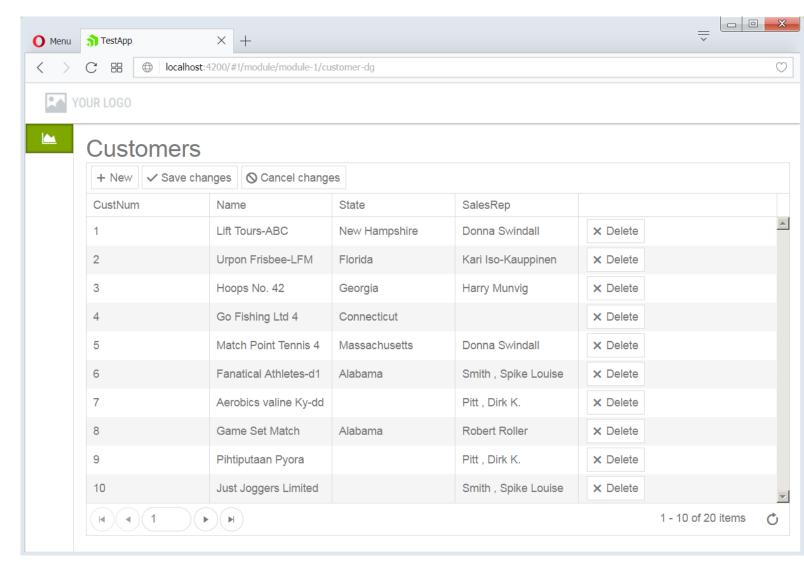


#### Demo Step 3: WHAT DID YOU SEE: Responsive Web and Push Notifications



#### Web Development - What is the Challenge?

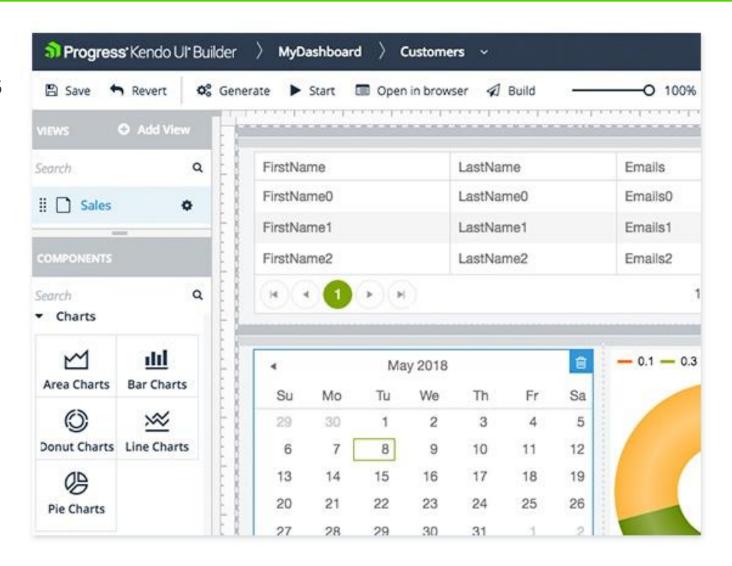
- Many Tools and Technologies to Choose From
- Connectivity to Multiple Data Sources
- Standard Development Framework





#### Web Development – What is the Answer? Kendo UI Builder!

- Graphical Development based on current standards
- Built-in OpenEdge, REST and OData data source integration
- Model-based code generation to simplify customization





#### **Kendo UI Builder – Standards Based**





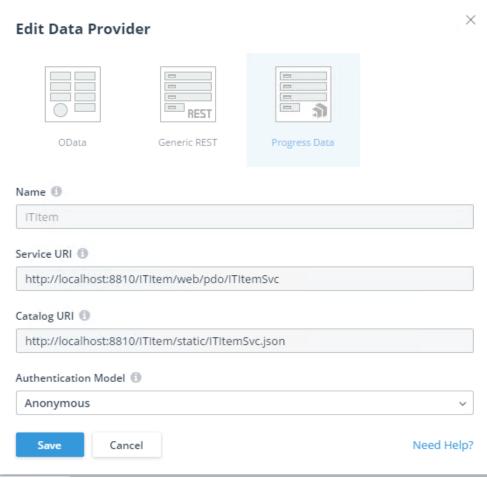


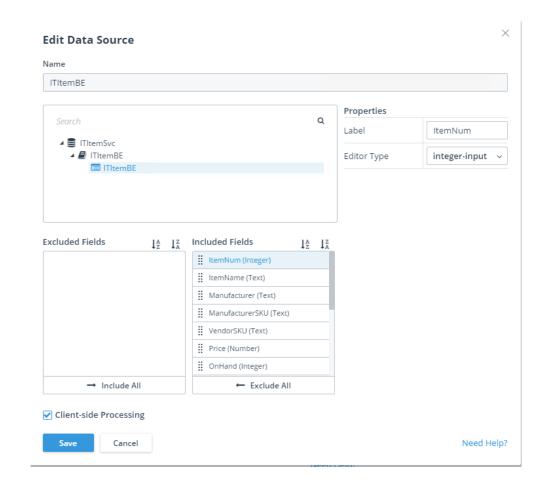






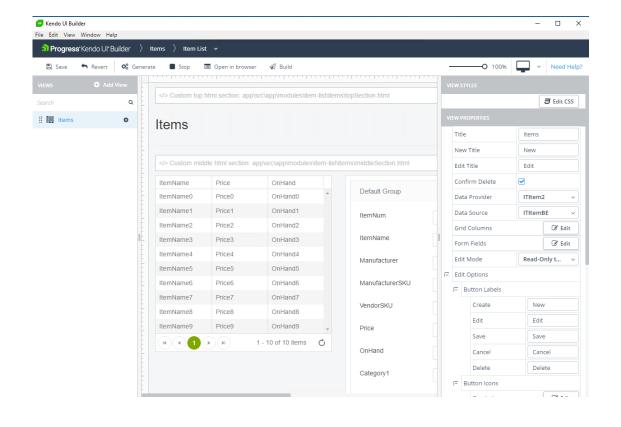
#### **Kendo UI Builder – Simplified Data Interfaces**

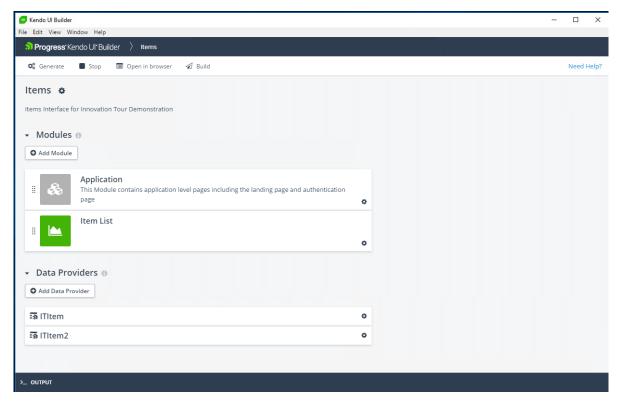






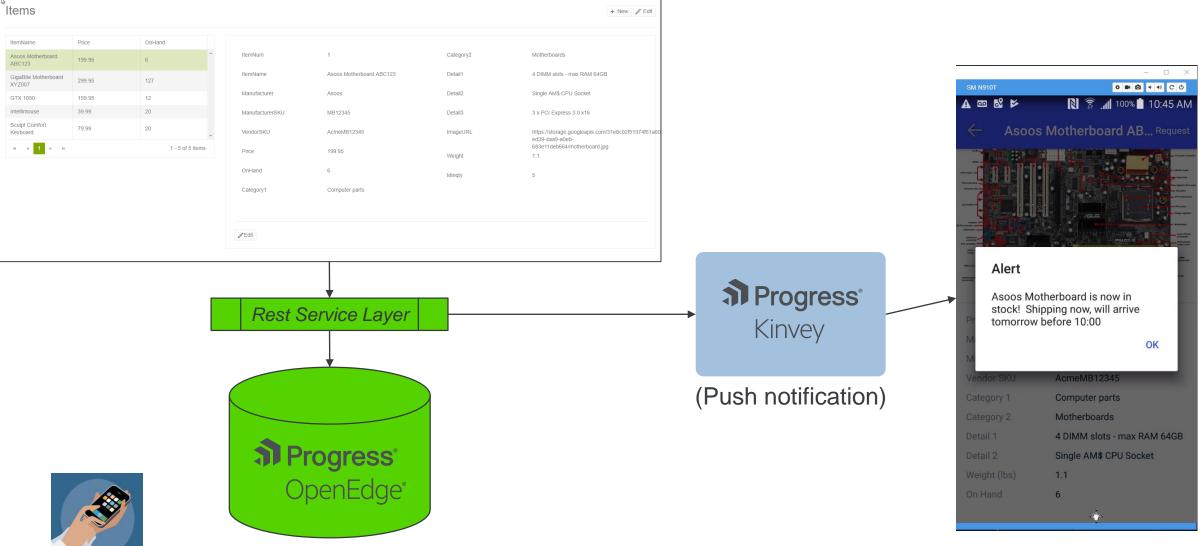
#### **Kendo Ul Builder – Simplified Screen Creation**

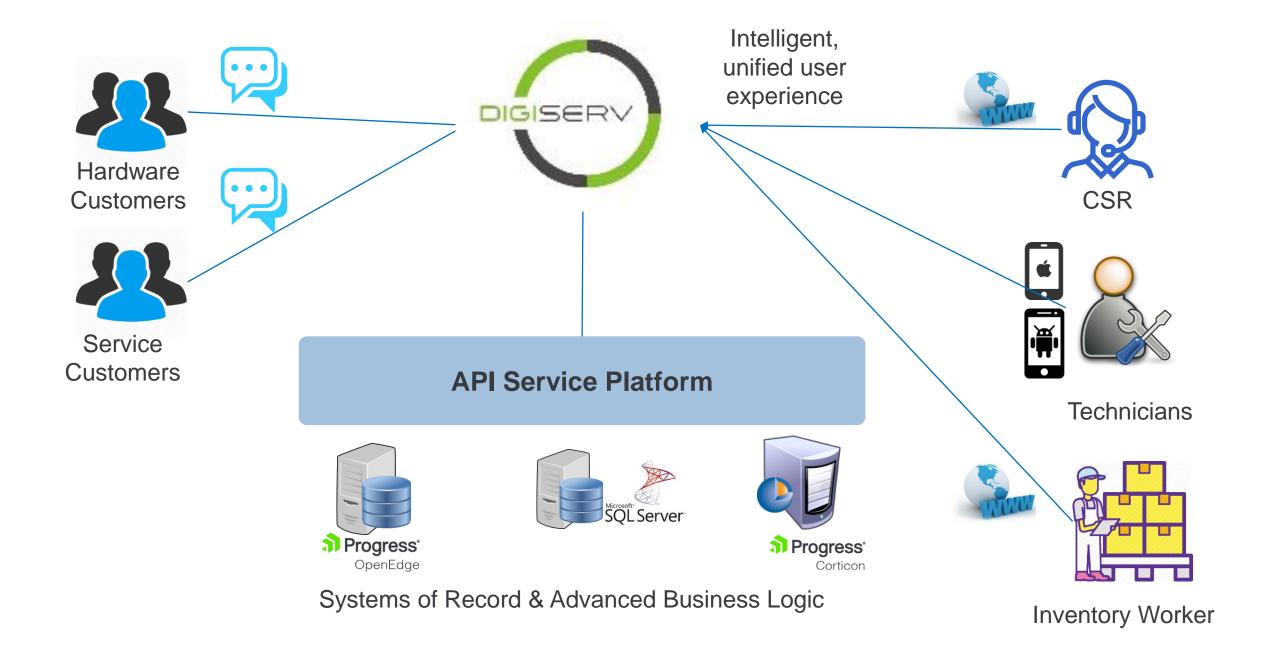




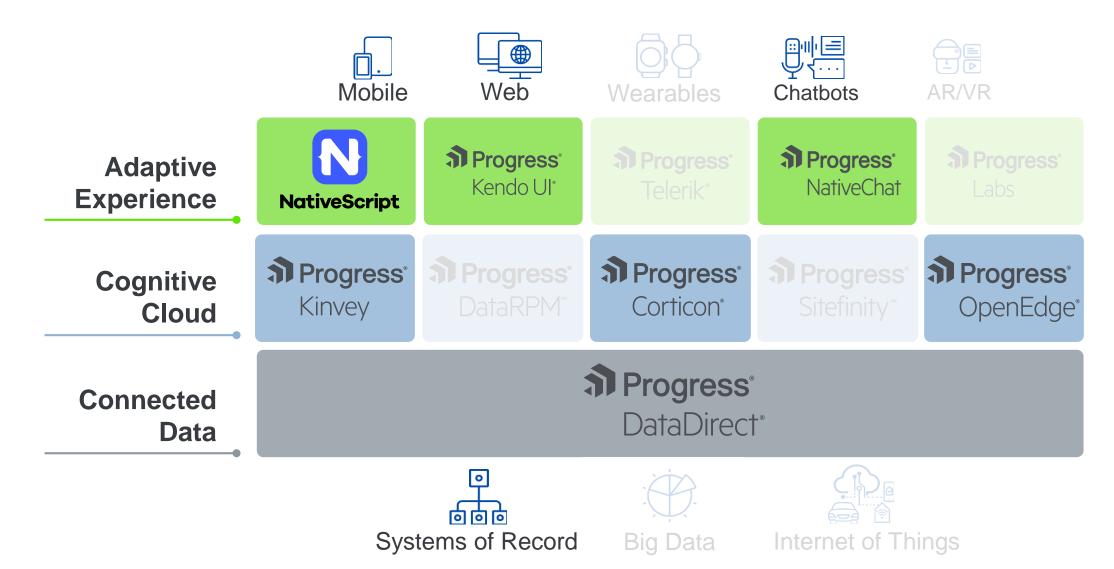


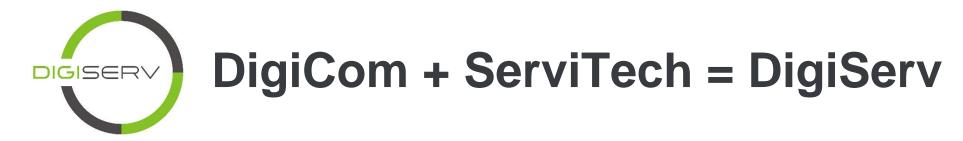
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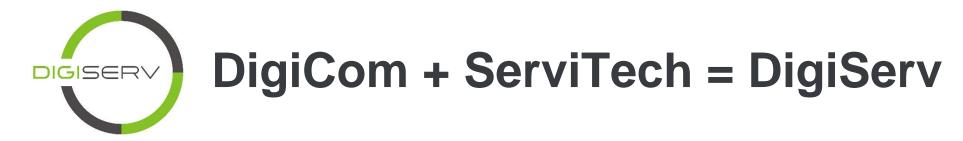
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  - Self-service scheduling through conversational chatbot interface





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  - {N} app uses native device features, seamlessly integrated by Kinvey

















# DigiCom + ServiTech = DigiServ

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- DigiServ wants to expand the diversity of products they service
  - Corticon tech assignment business rules are agile and manageable

















