





Requirements

- Frontliner reports for duty every morning to start their shift
- Get an overview of their shift for the day
 - Which train to drive
 - Which stations
 - Construction activities to take into account
- During the shift
 - Any obstacles or delays have to be signaled immediately

There's more...

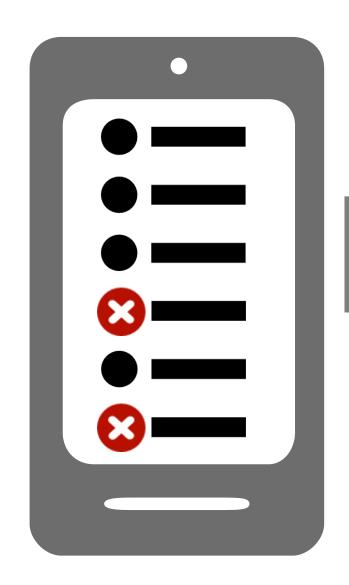
- It must run on smartphones!
- Bring Your Own Device
- Secure access to enterprise backoffice systems
- Backoffice exposes SOAP/XML webservices
- Single Sign On across all apps

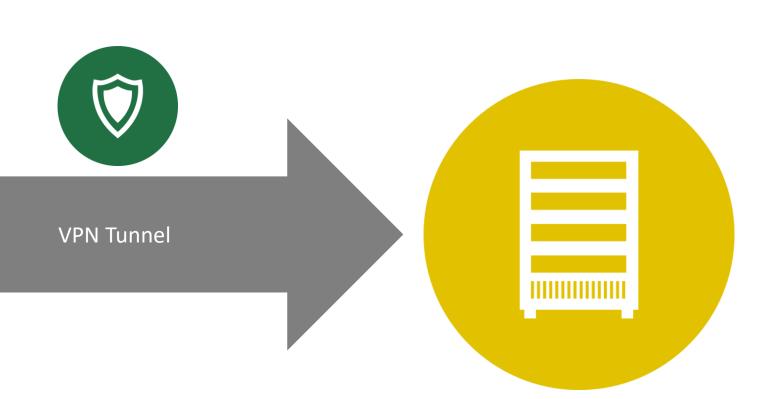






How would you architect this?





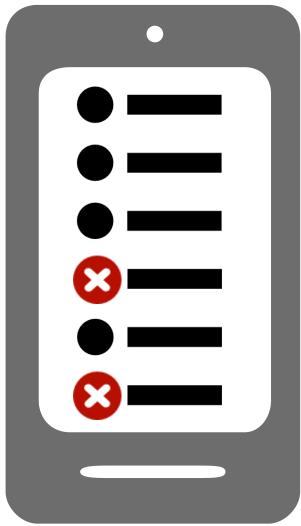


But what about...







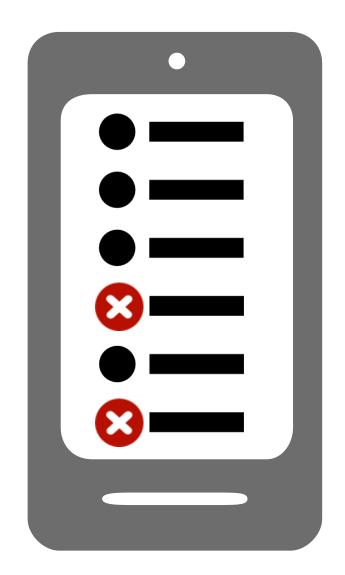






VPN Tunnel



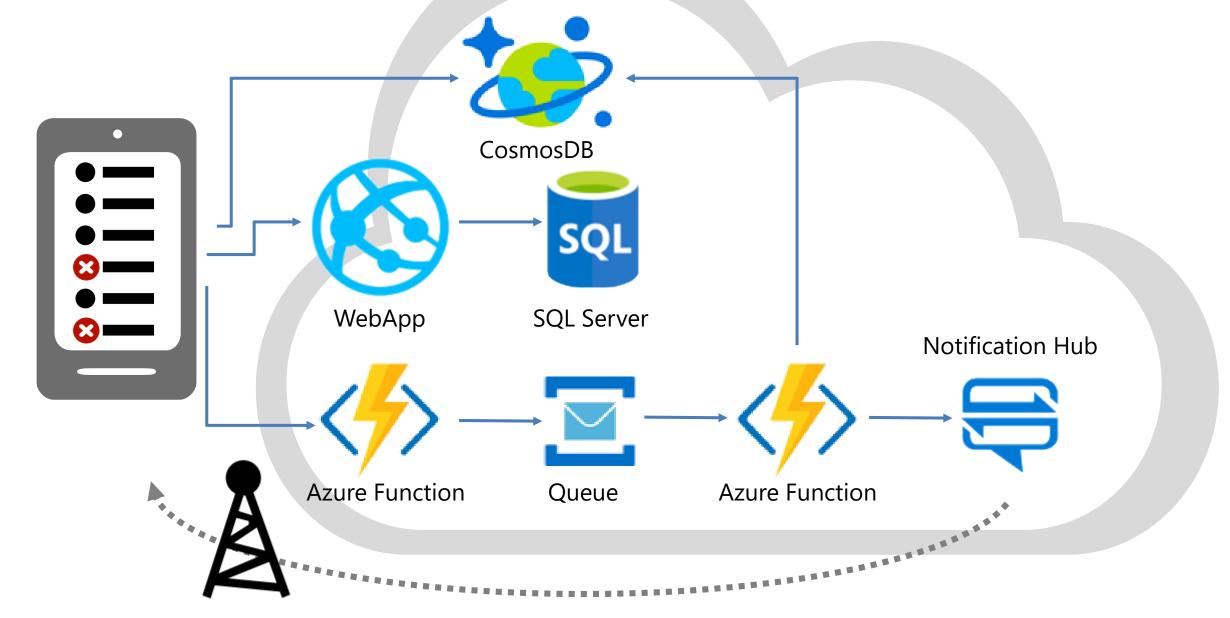








How this could look in Azure...

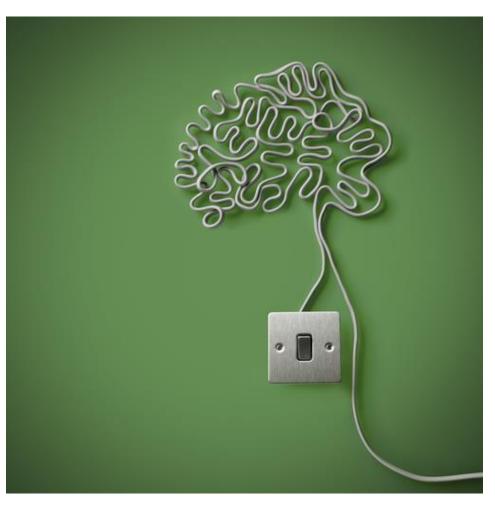




Architecture tips & tricks

- Use offline data on the device to reduce network traffic
- Use local device resources sparingly
- Create optimized API's for your mobile apps
- Leverage cloud native components
- Use both pull and push style communication for getting data across

Summary



- Remember that devices have limited or expensive resources
- Take the context of the user into account, e.g. BYOD
- Try to focus on creating "smart systems" instead of just "apps on smartphones"
- Leverage the cloud to add more brainpower to your solution

How would you NOW rate your current Xamarin

Mentimeter

skills?

No idea

Advanced





Expert





Jedi Master

Let us know!



Please fill out the evaluation form on paper or using the app!