



Reach Cloud App timeware[®] Professional



General observations

- i. Truly scalable from 25 to unlimited employees
- ii. All bespoke work must be re-written
- iii. Reach cloud app accessible from partner's domain e.g.: marathon.mt-001.actintime.co.uk
- iv. Reach cloud email appears to be sent from partner's domain e.g.: system@actintime.co.uk
- v. Multi language and culture support (date, currency)
- vi. Single & multi tenants
- vii. Resource groups tenants capped to x (x yet to be determined)
- viii. Friction free migration from on premise to cloud
- ix. Friction free upgrades
- x. Two form factor authentication using an authenticator app

Architecture

- i. Clean architecture design pattern
- ii. Azure cloud services (UK based)
- iii. Coded with C#
- iv. C# scripting (see 5.a.ii)
- v. Blazor client technology
 1. Blazor gives of an 'app feel' whilst running within a browser
 2. WebAssembly is a binary instruction format and virtual machine that brings near-native performance to web browser applications.
- vi. Azure services:
 1. Azure storage
 2. SQL database (tenant data).
 3. SQL database (hangfire - message queue) 'fire and forget'.
 4. App service - Blazor web app to configure tenants by operations team.
 5. App service - Blazor web app (used by partners and end users).
 6. Sendgrid email service.
 7. App service - API.
 8. SSL wildcard certificate (enables HTTPS on sub domains e.g.: marathon.mt-001.actintime.co.uk)
 9. SignalR service - provides real-time communication between server and client. (eg: refresh)
 10. Microsoft cognitive services:
 - a. Language resource files for greater global reach.
 - b. Form Recognizer that uses AI and OCR to quickly extract text and structure from documents.
 11. Key vault service (connection strings and passwords injected into memory at runtime - not stored in code)



Azure Cloud Services



Coded with C#



Azure Storage



Blazor Client Technology



Blazor Web Assembly



Microsoft SQL Azure



Email Service



SSL Wildcard Certification



SignalR



Microsoft Cognitive Services



Microsoft Key Vault

Customer relationship model

