



The story behind `recurr.in`



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My idea

Outlook
Google Calendar

...

Doodle, but for private recurring events

Facebook Events
Whatsapp

Meetup.com
Doodle
EventBrite

...



Débutant

€ 3.5 /mois

payé annuellement

1 utilisateur ⓘ

Commencez l'essai gratuit

Aucune pub

Synchroniser les réunions avec les calendriers

Dates limites et rappels

Demandez une adresse courriel, un téléphone et une adresse

Suivre les invitations aux réunions

Intégration Zapier **New**

RECOMMANDÉ

Pro

€ 5 /mois

payé annuellement

1 utilisateur ⓘ

Commencez l'essai gratuit

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Bookable Calendar **New**

Logo et image de marque

Team

€ 25 /mois

payé annuellement

5 utilisateurs ⓘ



Commencez l'essai gratuit

Aucune pub

Synchroniser les réunions avec les calendriers

Dates limites et rappels

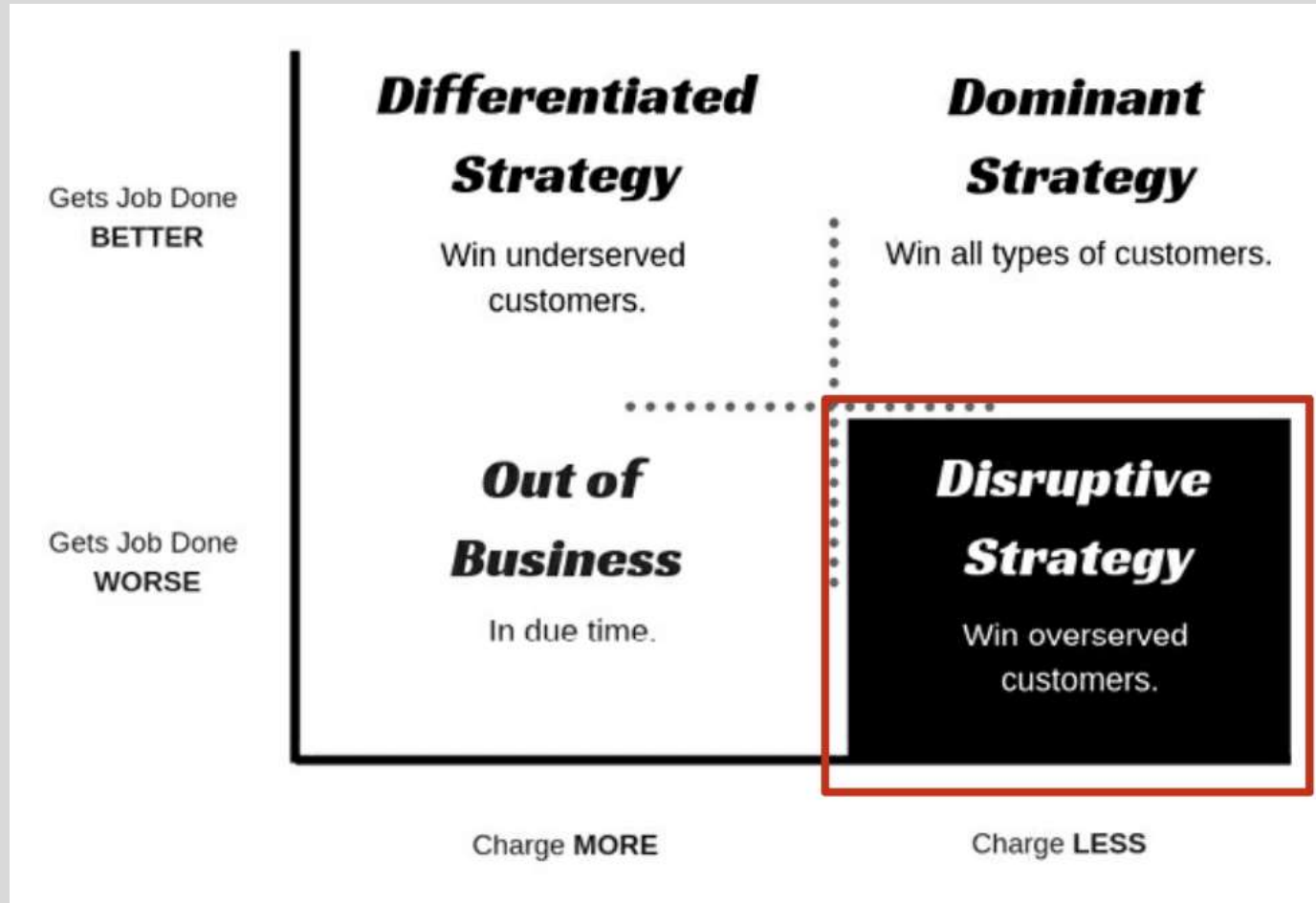
Demandez une adresse courriel, un téléphone et une adresse

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Recurr.in
Simply manage
groups recurring
meetings

My idea

For who?

Sports clubs

Group of
gamers/sports/...

Study groups

Team Breakfasts /
lunches / ...

..

Features

Create groups

Manage groups

Have several admins

Create a recurring event

Send reminder

List RSVPs

List attendance

Statistics

...

Constrains

Me & myself

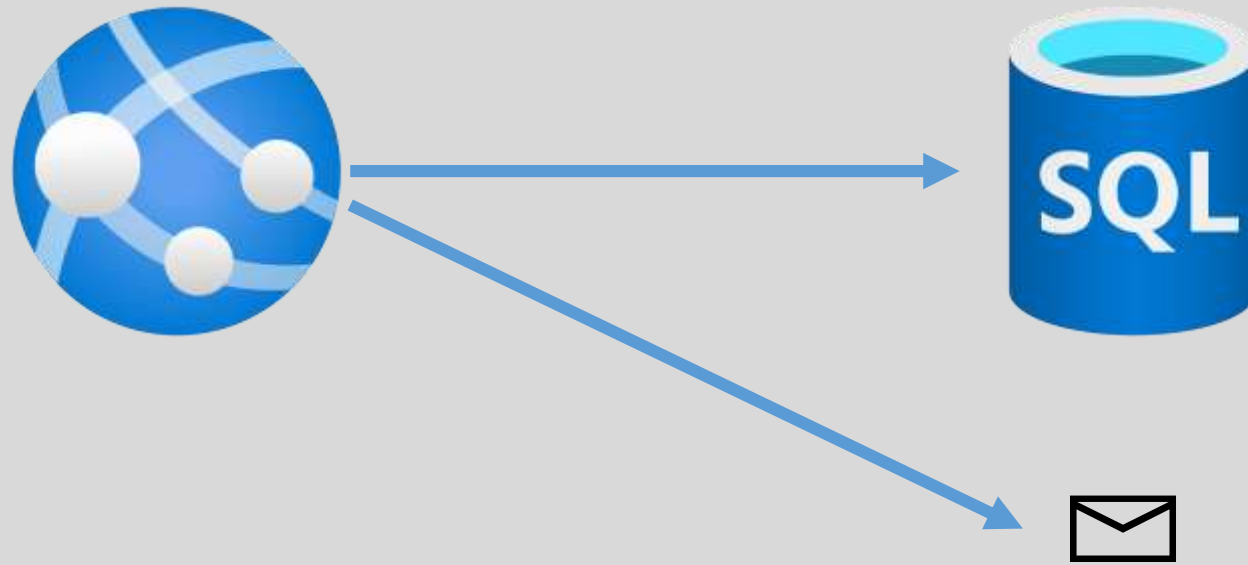
1 week-end (or less)

No \$\$\$ (except Azure
monthly credit)

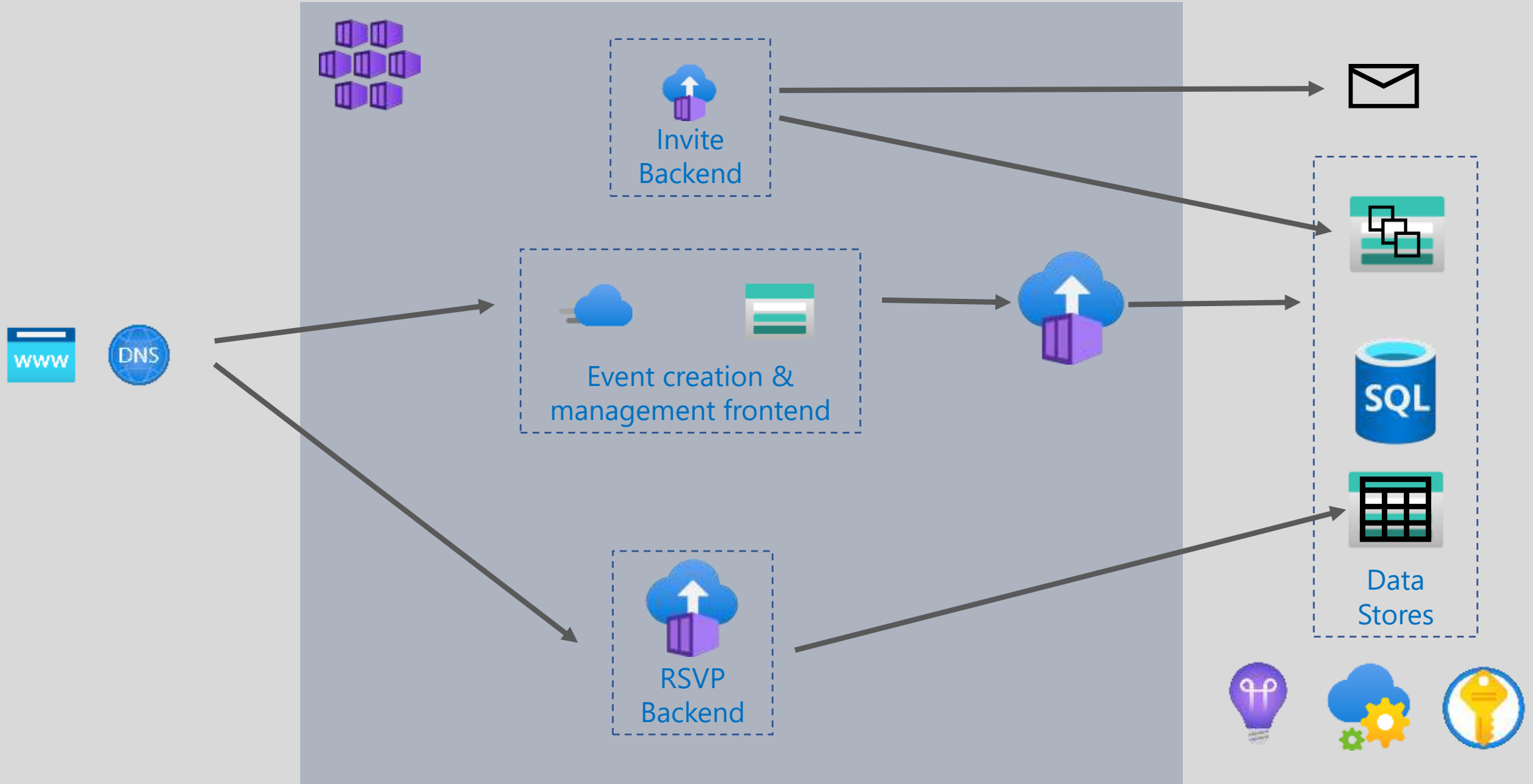
What I need ?

- ☐ A project name
- ☐ A domain name 😊
- ☐ Some SSL Certificates
- ☐ A database to store everything
- ☐ Some account management
- ☐ A platform to send email
- ...
- ☐ An admin UI
- ☐ An app for users
- ☐ A cron/service to send notifications
- ☐ Some reporting

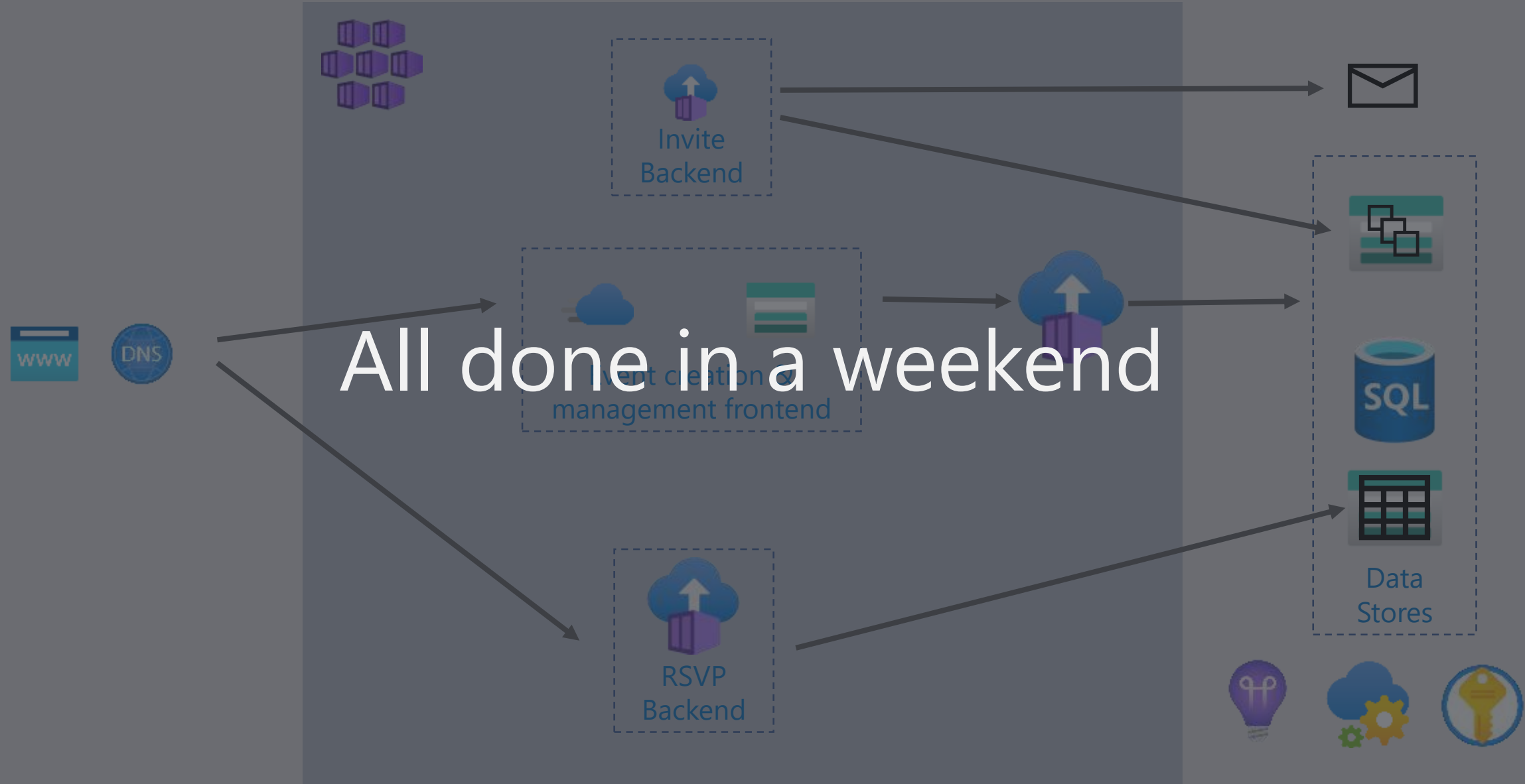
Architecture v1



Architecture v2 « Cloud Native »



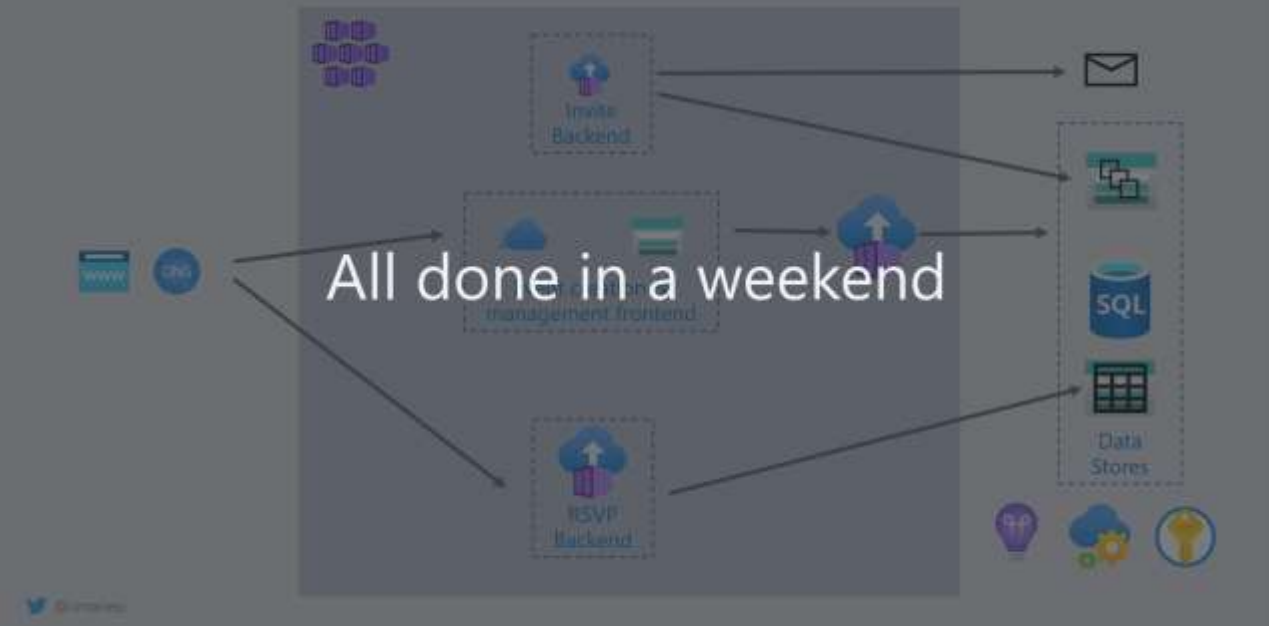
Architecture v2 « Cloud Native »



For real?



Architecture v2 « Cloud Native »



Doing harder, better, faster, stronger

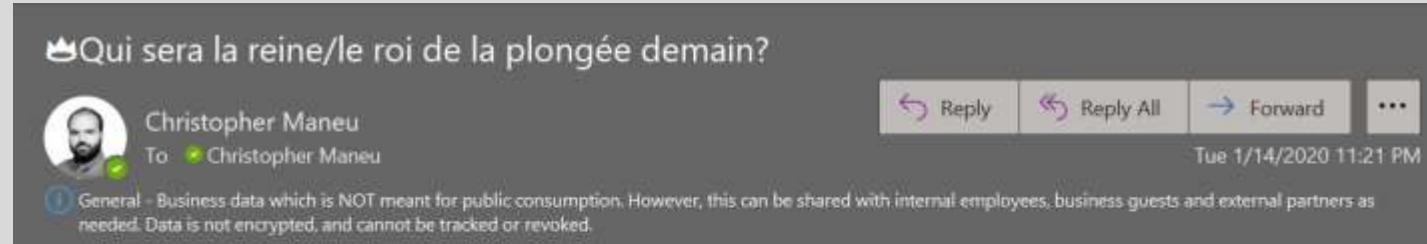
Doing harder, better, faster, stronger
and start by the end

No UI

- Reduce the amount of UI needed
- Try to see if you can have an email-based / chat-based / etc.. UI
- AMP-project can help you create interactive emails

<https://amp.dev/documentation/examples/?format=email>

<https://docs.microsoft.com/en-us/outlook/actionable-messages/index>



Séance du lundi 13 janv.

Bonjour à tous,

Demain est l'une des séances *spéciales* de l'année: c'est la séance de la galette 🍰!

Est-ce que l'on te garde une part ? (Et oui, il faudra se mettre à l'eau pour la mériter 😊)

A bientôt, Christopher

Je serai présent 🙋→

Pas cette fois 😞→

No databases

Event Data

Blob Storage

- Json for event data
- Csv for attendees

Quite scalable, but very limited for future features

RSVP Data

Table Storage

- PartitionKey: eventId
- RowKey: attendeeId

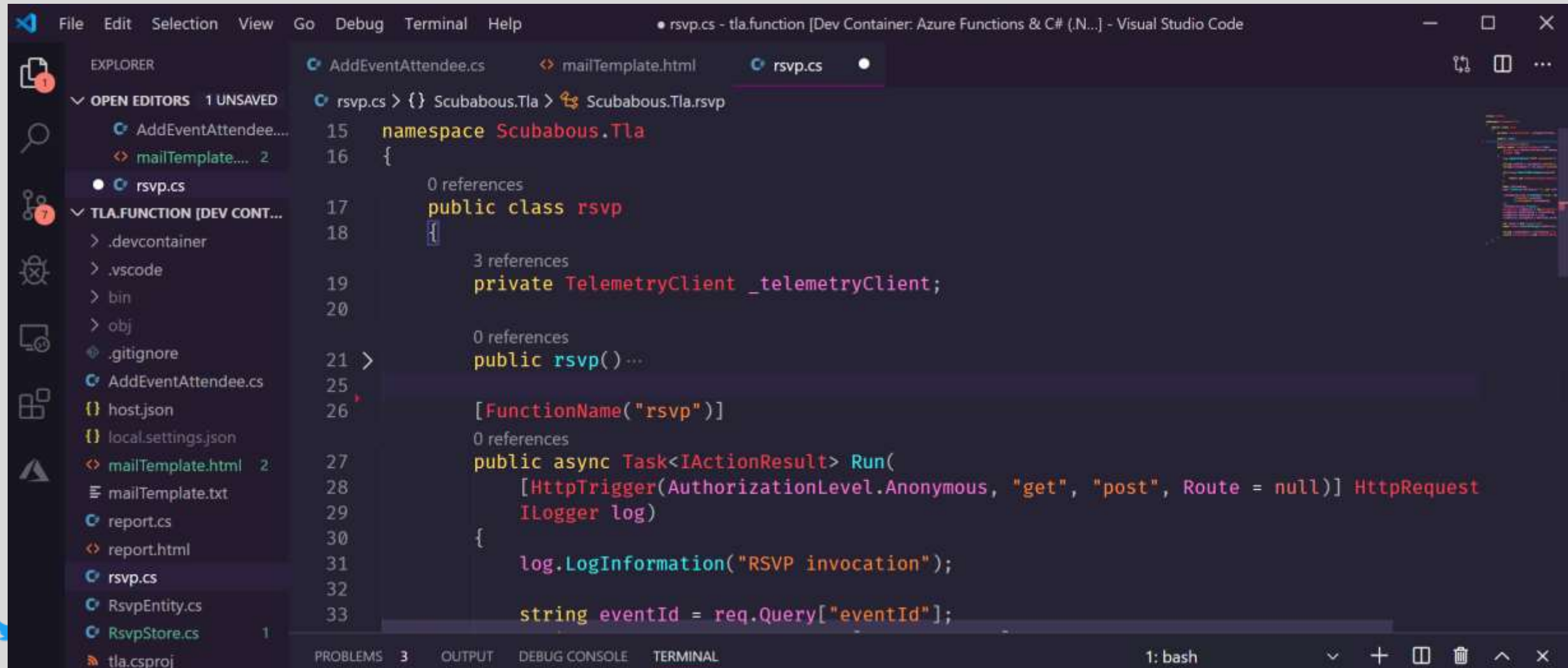
Very scalable and fast

Reporting easy (PK)

Can move to CosmosDB for future needs

"No" backend

Using Azure Functions for everything



The screenshot displays the Visual Studio Code interface for a project named 'tlafunction'. The Explorer sidebar on the left shows the file structure, including a '.devcontainer' folder, '.vscode' files, and source files like 'AddEventAttendee.cs', 'host.json', 'mailTemplate.html', 'report.cs', 'report.html', 'rsvp.cs', 'RsvpEntity.cs', 'RsvpStore.cs', and 'tla.csproj'. The 'rsvp.cs' file is selected and open in the main editor. The code in the editor is as follows:

```
15 namespace Scubabous.Tla
16 {
17     0 references
18     public class rsvp
19     {
20         3 references
21         private TelemetryClient _telemetryClient;
22
23         0 references
24         public rsvp() ...
25
26         [FunctionName("rsvp")]
27         0 references
28         public async Task<IActionResult> Run(
29             [HttpTrigger(AuthorizationLevel.Anonymous, "get", "post", Route = null)] HttpRequest
30             ILogger log)
31         {
32             log.LogInformation("RSVP invocation");
33
34             string eventId = req.Query["eventId"];
```

The status bar at the bottom indicates the current file is 'rsvp.cs' and the active terminal is '1: bash'.

No account management

- JWT tokens for everything
 - RSVP emails
 - Report page
- We have emails of event admins, but that's it!

In the future, we can move to a proper account management, or Azure AD B2C

Encoded PASTE A TOKEN HERE

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.eyJpc3MiOiJSZW51cnJpb1IsImhhdCI6MTU3OTA3MTMzNCwiZXhwIjoxNTc5NDE4MTQzLCJhdWQiOiJyc3ZwLnJlY3Vyci5pbiIsInN1YiI6IjA5NTU0NWRkYjhjNTQwYjFhN2UwMDE5MmRiZWY3NDc4IiwiaWZlZ2Z5OYW1lIjoIQ2hyaXN0b3BoZXIiLCJFbWFpbCI6ImNocmlzQGJ1bGxlcY5vcmeiLCJSb2x1IjoIQXR0ZW5kZWUiLCJFdmVudElkIjoIMDZjMjc2N2FiOWNjNDAwYzh1M2NmMjc2OTQ5M2YyYjE1LCJEYXR1IjoIMjA5MDAxMTk1fQ.RTNmFkEj0WmkAVHbZbc9ayVPf41oN3P1-AiuCuG1yQyRzkkIBW-4U8AX0kmH3gC2wV8f0VgrAs3GoxqP7yYoeQ
```

Decoded EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

```
{  "typ": "JWT",  "alg": "HS512"}
```

PAYLOAD: DATA

```
{  "iss": "Recurrin",  "iat": 1579071334,  "exp": 1579418143,  "aud": "rsvp.recurr.in",  "sub": "095545ddb8c540b1a7e00192dbef7478",  "GivenName": "Christopher",  "Email": "chris@bulles.org",  "Role": "Attendee",  "EventId": "06c2767ab9cc480c8e3cc2739493f2b1",  "Date": "20200119"}
```

No account management



**Get a magic link by email
that will sign you in instantly!**

We'll send you a one-time login link to the email
associated with your domain on ImprovMX

YOUR EMAIL OR DOMAIN

r.hendricks@gmail.com or piedpiper.com

Send me a magic link

Don't have access to your email?

No crons / workers

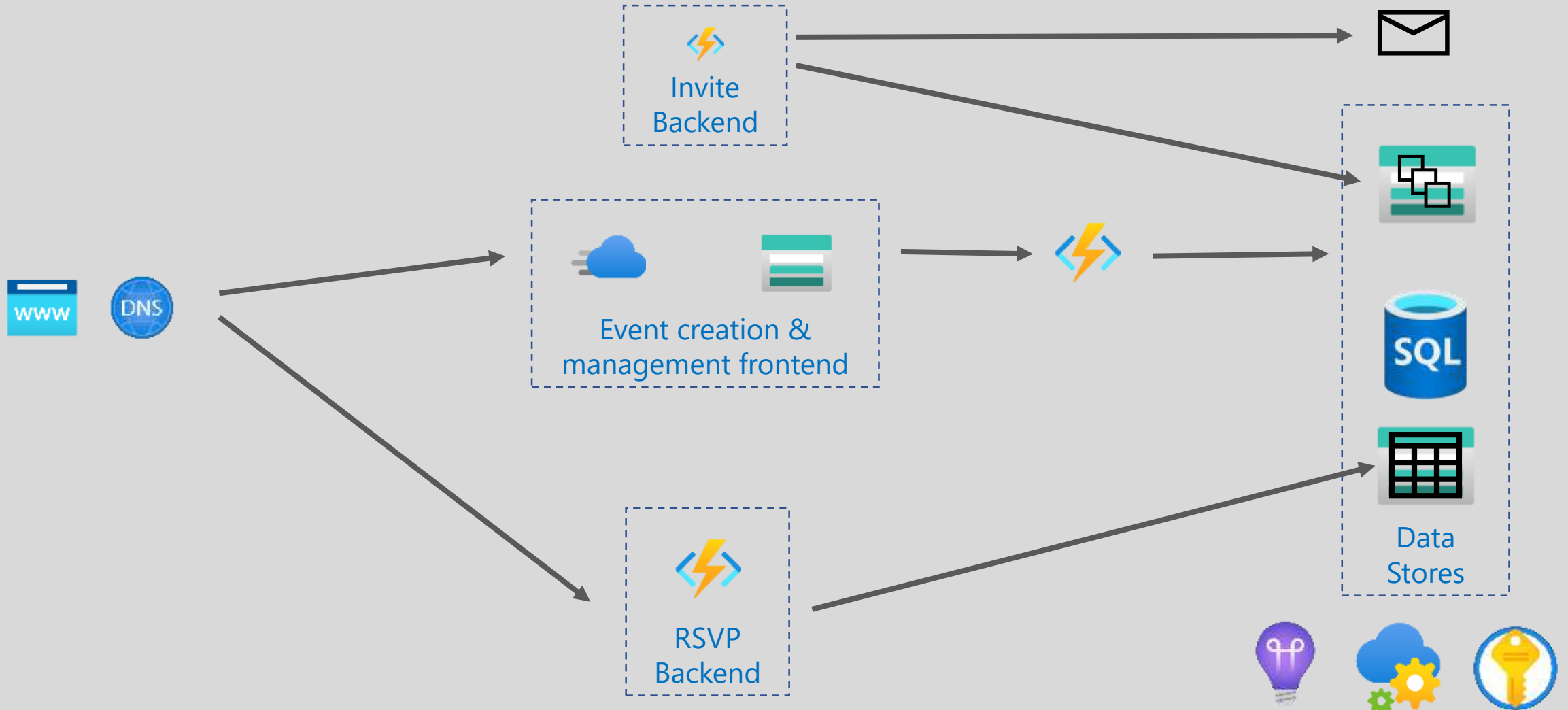
A simple CLI tool !

- Parse events
- Create RSVP lines
- Send emails

We could easily move the code to another host

```
M:\src\scubabous\tla_\Scubabous.Tla.Admin\bin\Debug\netcoreapp3.0\Scubabous....  
Event is: 20 January 2020  
Sending event: scaphandre-20200120  
Test 0  
  > OK  
Test 1  
  > OK  
Test 2  
  > OK  
Test 3  
  > OK  
Test 4  
  > OK  
Test 5  
  > OK  
Test 6  
  > OK  
Test 7  
  > OK  
Test 8  
-
```

Architecture v3 « Cloud Native »





Q&A

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Thanks !

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