



Summits On The Air

Computer Infrastructure

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SOTA Database Manager/GM Association Manager

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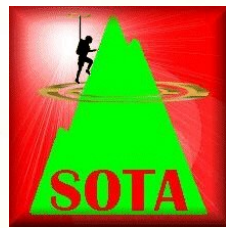
- Services
- Technologies used





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- Services
 - SOTAwatch2 & 3
 - Summits website, SOTA website,
 - user database (old and new)
 - cluster, SMS spotter, RBNhole,
 - SOTA maps,
 - Reflector
 - SSO



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- Database:
 - Database backend engine
 - MS-SQL 2017
 - Old database:
 - MS C# ASP.NET 4.0
 - New database
 - Angular 7, PHP, JS



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- API2:
 - Azure hosted C# .NET Core 2
 - Azure SQL DB for spots/alerts
- SOTAwatch3 & Summits
 - Netify hosted Angular 6 Typescript apps
- SOTAwatch2 & spotlight
 - Linux hosted PHP/JS (obsolete)



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- SSO (single sign on):
 - Load balanced dual servers Red Hat Keycloak (Java/PHP/JS)
- RBNhole:
 - Linux PHP
- SOTA maps
 - Linux PHP/JS

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- SMS spotter:
 - Linux Full Stack Python
 - Twilio virtual phone support
- SMS cluster
 - Linux Full Stack Python

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- reflector
 - Discourse Hosting
 - Linux Ruby, JS, PHP



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How busy are the servers?

- API2
 - USA(sleep) 200MB/hr else 400MB/hr
- SOTA Maps
 - _350GB/month, 20000 Google API calls
- Database
 - 40 GB/month
- SMS spotter
 - 8000 inbound SMS/year

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How much does this cost?

- For 2018-2019 (jun-jun)

€ 1500