NorDig TVA metadata Online Workshop
2th October 2020

Fredrik Tillroth, Developer/Product owner
Ulrika Hill, Tester/Product owner
SVT

Why we did this and the problems we had with our previous API

- Was based on push via FTP.
- Old java code.
- Blocking send-iteration, i.e. one faulty receiver could block.
- Versioning - receivers had different versions of the schedules, difficult to maintain.

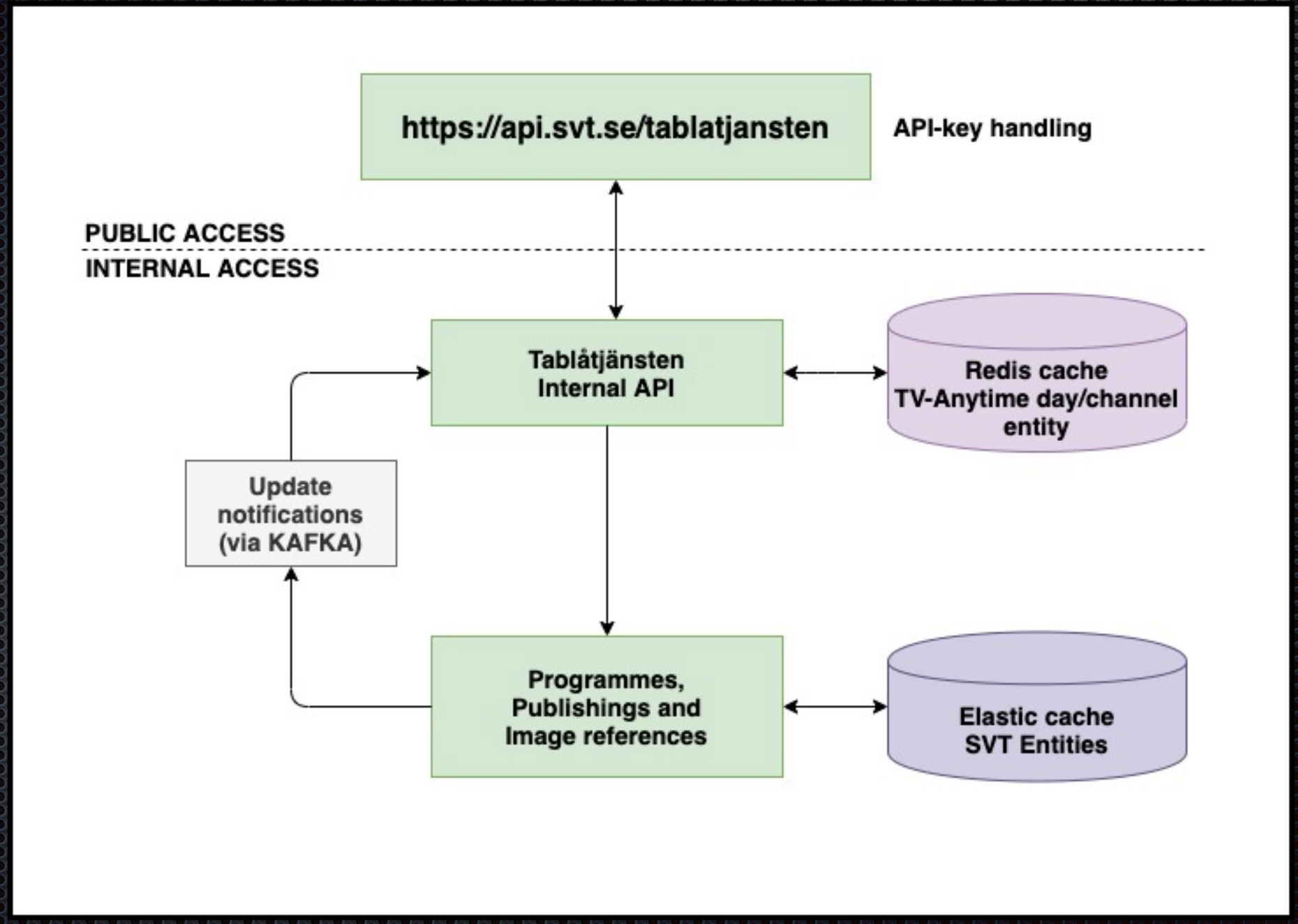
Current status of the TV-Anytime implementation at SVT

- Development is done, about to be made public.
- SVT Communication handles the external information for example the launching of the service.

Technical design

- In-app documentation: https://api.svt.se/tablatjansten/docs
- API-keys used for access-control.
- Two-app solution, one internal and one external as a proxy. More secure and the external handles the API-key.
- Both XML and JSON, clients can choose.
- We have information about schedule updates in both ETAG and via a change endpoint.

Design


https://api.svt.se/tablatjansten
API-key handling
PUBLIC ACCESS
INTERNAL ACCESS
Tablåtjänsten
Internal API
Redis cache
TV-Anytime day/channel
entity
Update
notifications
(via KAFKA)
Programmes,
Publishings and
Image references
Elastic cache
SVT Entities

Example call to our internal API

https://sicore-tabla-tjansten.iapp.svt.se/api/interval?from=2020-10-02&to=2020-10-02&channels=SVT1%2CSVT2&format=json

The external app https://api.svt.se/tablatjansten also has a ”auth” parameter which is the API-key.

Issues in our solution

- Genres, mapping difficulties from our genres.
- Priority/grouping of media (images in our case), better solution in the TV-Anytime standard?

What happens next?

- Make sure we maintain this solution to be stable for the clients.
- Include Non Linear channels. Challenges on how the schedules should be selected? start-time is perhaps not such a great idea.

That’s all folks, any questions?