Security | Consequences

What type of security risks is your technology vulnerable to? How could an attacker target your technology, or a user of your product?

Our technology is vulnerable to malicious users running multiple instances of our extension and demanding thousands of requests per second, since we currently do not have a method for load balancing should demand increase more rapidly than we can serve.

Then, if an attacker makes thousands of concurrent requests, they could maliciously charge us heavily for the cost of the API usage.

Understandability | Consequences

How have you ensured that your client can quickly and easily accommodate data ownership requests (if relevant)?

Reliability | Consequences

How do the technology and design choices you have made affect the future reliability of your system? Have you built on top of, modified or customised off-the-shelf technology in a way that will allow for updates and upgrades as technology evolves?

Our application uses the Google Cloud API for speech-to-text and translation, so it will evolve as these technologies evolve. There is also a plan to use an adapter pattern for the APIs so they can be swapped easily in case a better option appears.

Furthermore, switching the API we use, can occur in a seamless way, since we employ continuous delivery at our back-end and do not have to alert the user for updates.

Support & Monitoring | Consequences

After you have delivered your project, how will your client be able to support ongoing operation of the software? How will they detect problems and collect feedback?