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If you are a parent or have observed parents, you have uttered (or heard) something similar to: you need to share with your friend/sibling/cousin. We don’t instinctively share things but we are taught that there are positive outcomes in doing so. By sharing our toys we often gain friendship, which makes things a lot more fun - or, at the very least, it stops the parents from nagging. Scientists, epidemiologists, and public health officials don’t instinctively share data either. But, we have numerous examples of the benefits that can come from real-time data sharing in public health microbiology (e.g. GenomeTrakr), and it can bring the global public health community closer together. However, it is still difficult to share data, even if there is a will. Uploading sequence data to giant sequencing archives (i.e., NCBI, ENA, DDBJ) can be onerous and time-consuming, and sometimes bewildering. There may also be relevant legislation preventing the upload of such information to public archives. Now, much like sharing toys, sharing data requires trust. Trust that the other person won’t break the toy or misuse the data. When learning to share, we start small, with a toy we are not particularly interested in, keeping the real goods out of reach. That is the goal of AusTrakka. To create a safe environment where data sharing amongst public health laboratories can become routine, and that the impact on surveillance can be directly felt by all Australian laboratories irrespective of their sequencing and bioinformatic capacity. In many ways, it will replicate functionality seen in other tools and databases (e.g., GenomeTrakr, Enterobase, Innuendo, Microreact, IRIDA), but doing it in a way that respects yet de-emphasizes local legislation. In doing so, we hope it will whet people’s appetite for more, allowing for sharing at broader scales. In others aspects, it will try to improve on how things are currently done, in particular, how data is uploaded. Here, we present a demo of what AusTrakka platform will look like. It is composed of a responsive and dynamic front-end in JavaScript, a backend of REST APIs and a PostgreSQL database, with analyses conducted using open-source tools versioned in Singularity/Docker containers run in a cloud environment.