







The ADFS service enables a secure sharing of identifying information through the client system to call the service backend by an authentication token. The backend is based on microservices in a cloud computing server. It stores the data in an internal database (Digital Commissioning database) while calling the client system API to synchronise the same data in the client system database.

## 2.4 Remarks and Future Directions

This work summary presents a system that brings a digital solution that automates the commissioning process. The digital management of the information directly affects procedures performance evidence. When the digital solution is fully implemented, the commissioning process will be done quickly, increasing quality assurance and eliminating non-value activities. Finally, bringing easiness to workers' routine with digital data traceability. This work is limited to presenting the commissioning flows only considering the procedures on-site. In future research, this digital solution will add IoT (Internet of Things) and integrated Building Information Modelling (BIM) to develop mixed-reality tools for on-site workers.

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