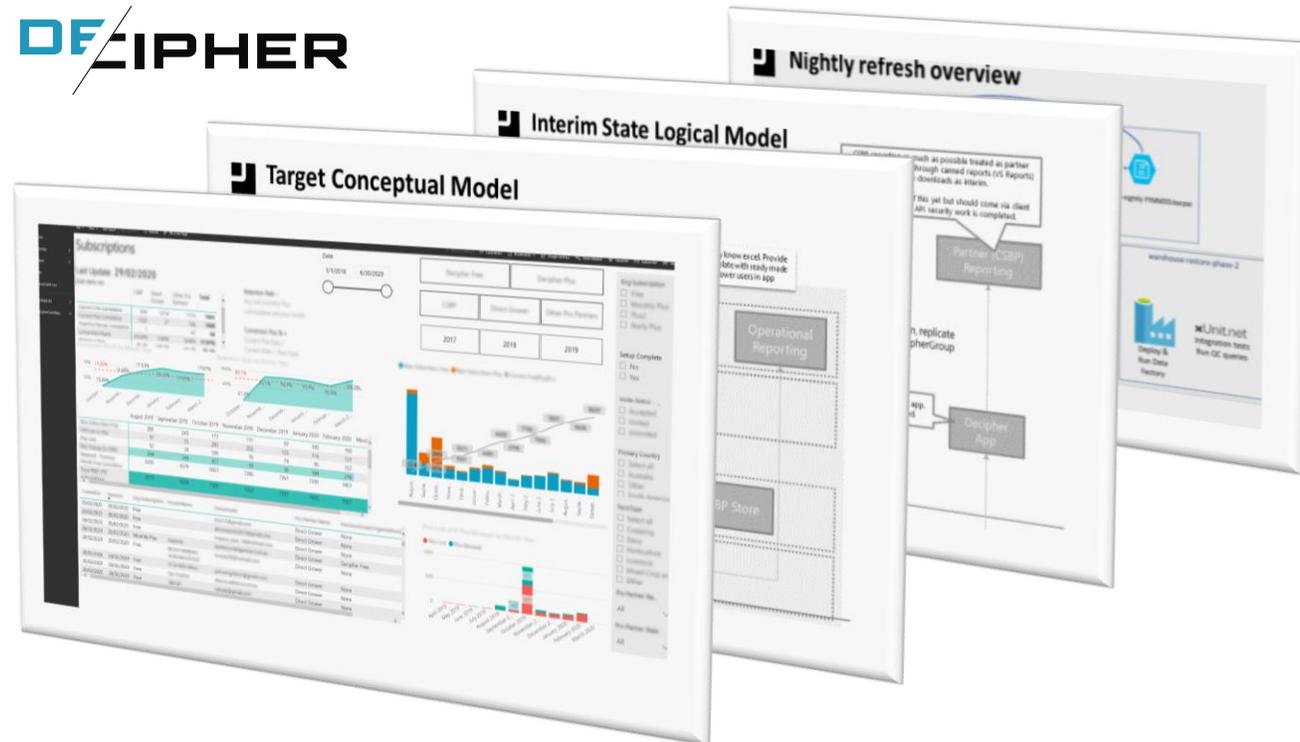


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Case Study

Azure Warehouse, PowerBI & DataOps





- ✓ Pragmatic “two click” automated and audited Azure DevOps pipeline
- ✓ PowerBI / Warehouse over multiple environments for parallel development
- ✓ Data quality assuring automated test suite
- ✓ Weekly refreshes from production
- ✓ Agile enabling design

Overview

Decipher develops several SAAS products servicing multiple industries and countries.

Decipher engaged Interfuzze to develop an Azure hosted and DevOps enabled data warehouse that would satisfy their immediate need of consolidated reporting and Power BI dashboards for their AgTech product whilst leaving room for extension into their other products and IOT aspirations.

The Client

Decipher is an innovative SAAS product vendor operating under the Wesfarmers group of companies.

Decipher originate from Australia but their success, together with target industry requirements, has seen their footprint swiftly grow into multiple industries and global markets.

Their award-winning cloud platform is trusted by users in over 60 countries for use in mine closure and rehabilitation, tailings storage facilities, precision agriculture and waste monitoring.

The Challenge

Decipher required a reporting solution that drew on several data sources and provided the ability to snapshot historic state in order to appropriately report progress to both the executive and WESCEF board. The solution was to be built upon the Azure stack and enable both adhoc and governed reporting solutions. As strong believers in DevOps, Decipher's preference was to DevOp the reporting solution's delivery.

The Approach

An Interfuzer consultant was engaged to drive the engagement from inception through to delivery. Following the initial inception, workshops were held with Microsoft and senior members of the Decipher technical team to determine a best practice target architecture.

Further internal workshops were then held to develop a more pragmatic interim architecture to meet current requirements whilst setting Decipher up for evolution to the target architecture.

An implementation team was formed, led by the Interfuzer consultant and - to ensure a smooth handover – a Decipher senior developer and Decipher reporting specialist. The implementation focused on proving the architecture through a deep slice delivery of a single critical subscriptions report.

The Results

The reporting solution was delivered successfully and at time of writing had been in use and active development for well over a year. The scaled back pragmatic design has held up and no further evolution toward the target architecture has yet been required.

The internal Decipher team now support the solution and although Interfuzer no longer play an active role we're ready to lend a helping hand whenever Decipher next issue the call!

The Solution

The solution consisted of:

- A Power BI reporting capability
- Modern Azure ELT architected data warehouse with weekly refreshes from production
- Automated DevOps pipeline with built in data quality testing
- Versioned parallel environments
- As built documentation, reporting processes and internal upskill / handover

In line with Interfuzer's pragmatic ethos – significant thought went into striking a balance between the challenging technical requirements of DataOps and Decipher's wish to limit the solution's ongoing support requirement.

"We had little experience in DataOps and Azure data architectures so were understandably nervous when we started this journey. Interfuzer's methodical, collaborative and transparent approach to the engagement however, helped reassure we were choosing the right path through some difficult decisions.

The resulting solution and uplift to our internal capability has left us ready to meet today's reporting needs and face tomorrow's reporting challenges."



Matt Stewart
Product Delivery Manager

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**Think we can help solve
your problem?**

Reach out to Branden or Tim

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