

IBL Student Report – Saral Gautam 4A

Introduction

Hello to the FIT IBL team and any readers of this report. My name is Saral, and I completed my IBL placement at Origin Energy. Over the course of my placement, I completed both operational and development-based tasks with my overarching legacy being a metric input page for Origin's business metrics. This report will recount my experience with Origin, beginning first by outlining Origin as an organisation. Following this description, I will then elaborate on my individual role within Origin and the key experiences I learnt from. The report will then conclude, with an analysis of my legacy project along with units from my university studies I found to be useful through my placement.

Origin – The Organisation

Origin Energy was founded in February 2000, when Boral (another major Australian company) shareholders approved their energy business becoming an independent company. Now Origin Energy is one of the largest energy retailers in Australia, along with being an energy producer managing power stations in Queensland, New South Wales and Victoria. As an organisation the main purpose of Origin is to build a sustainable energy future, as such Origin has placed significant investments within solar energy, battery technology and digital tools to support its vision. Additionally, customer engagement and satisfaction are also a major part of Origin's purpose guiding their developments toward a sustainable energy future. Having a wide scale in operations and a large customer base also gives Origin a wide data footprint. All this data is managed within Origin's data lake, aptly named after an actual lake in the Snowy Mountains of NSW- Jindabyne. Jindabyne is a core component of many of the data-centred teams at Origin. The team I worked in, broadly came under the Future Energy & Technology wing of Origin specifically in the Reporting and Data Operations team. As shown in Figure 1, Origin divides each major area of the business. Each area performs a different function to support the business as a whole, with the divisions being quite diverse. There are teams for logistics and supply, retail, regulatory compliance and even trading – like stocks but for energy. The area of Origin I was working in was purely data driven, even within the Reporting and Data Operations Team we had people who would work on creating and maintaining business reports with Tableau (a data visualisation tool), developed applications used by other Origin teams or worked on the batch jobs which were the data sources for the reports. Tableau was a core part

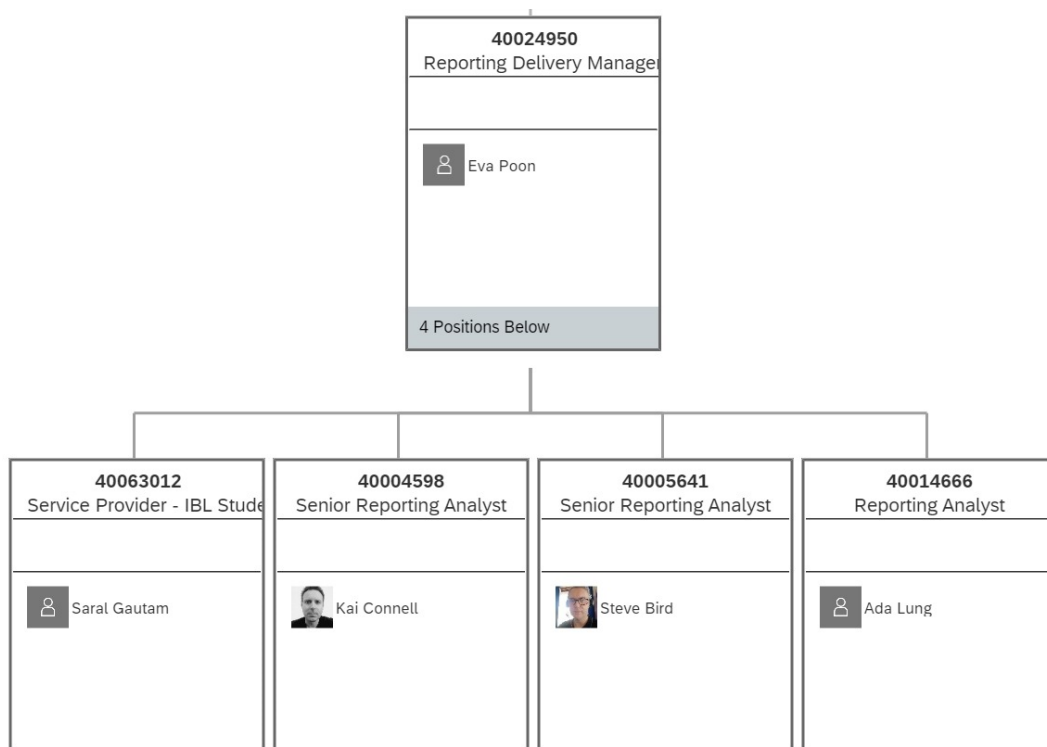


Figure 2: The specific team I was working with. Our main job was to develop and maintain Tableau reports.