

Project Design Phase-I Solution Architecture

Date	30 September 2022
Team ID	PNT2022TMID15582
Project Name	CORPORATE EMPLOYEE ATTRITION ANALYTICS
Maximum Marks	4 Marks

Solution Architecture:

- Create and login to the IBM Watson Studio.
- Upload the Jupiter notebook and start running it.
- Notebook downloads the dataset and imports fairness toolkit (AIF360) and Pygal data visualization library.
- Pandas is used for reading the data and perform initial data exploration.
- Matplotlib, Seaborn, Plotly, Bokeh and Pygal (from step-3) are used for visualizing the data.
- Scikit-Learn and AIF360 (from step-3) are used for model development.
- Use the IBM Watson Machine Learning feature to deploy and access the model to generate employee attrition classification.

Solution Architecture Diagram:

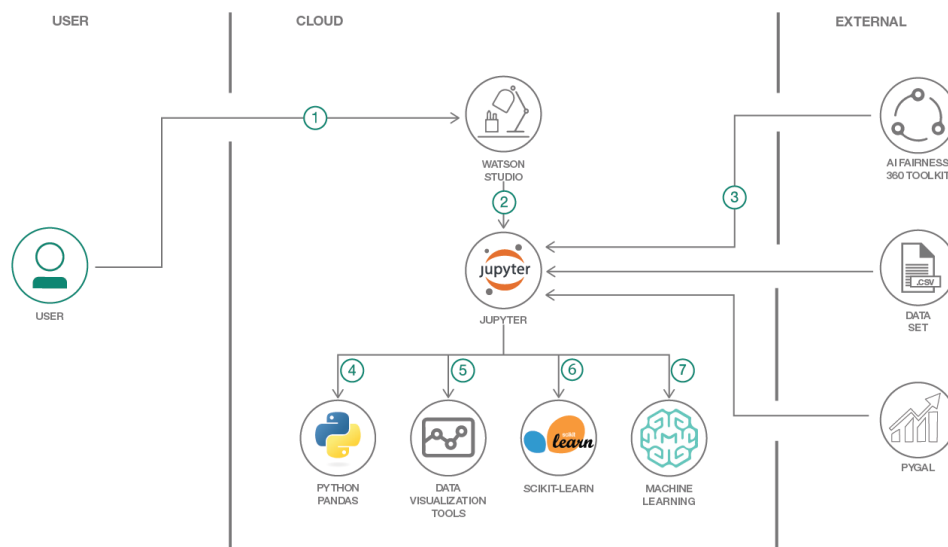


Figure 1: Architecture and data flow of corporate employee attrition analytics