

## Project Design Phase Solution Architecture

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|---------------|---|
| Date          | 15 February 2025  |
| Team ID       | LTVIP2025TMID49443  |
| Project Name  | Plugging into the future:- An Exploration of Electricity Consumption Patterns Using Tableau |
| Maximum Marks | 4 Marks   |

### Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

### Example - Solution Architecture Diagram:

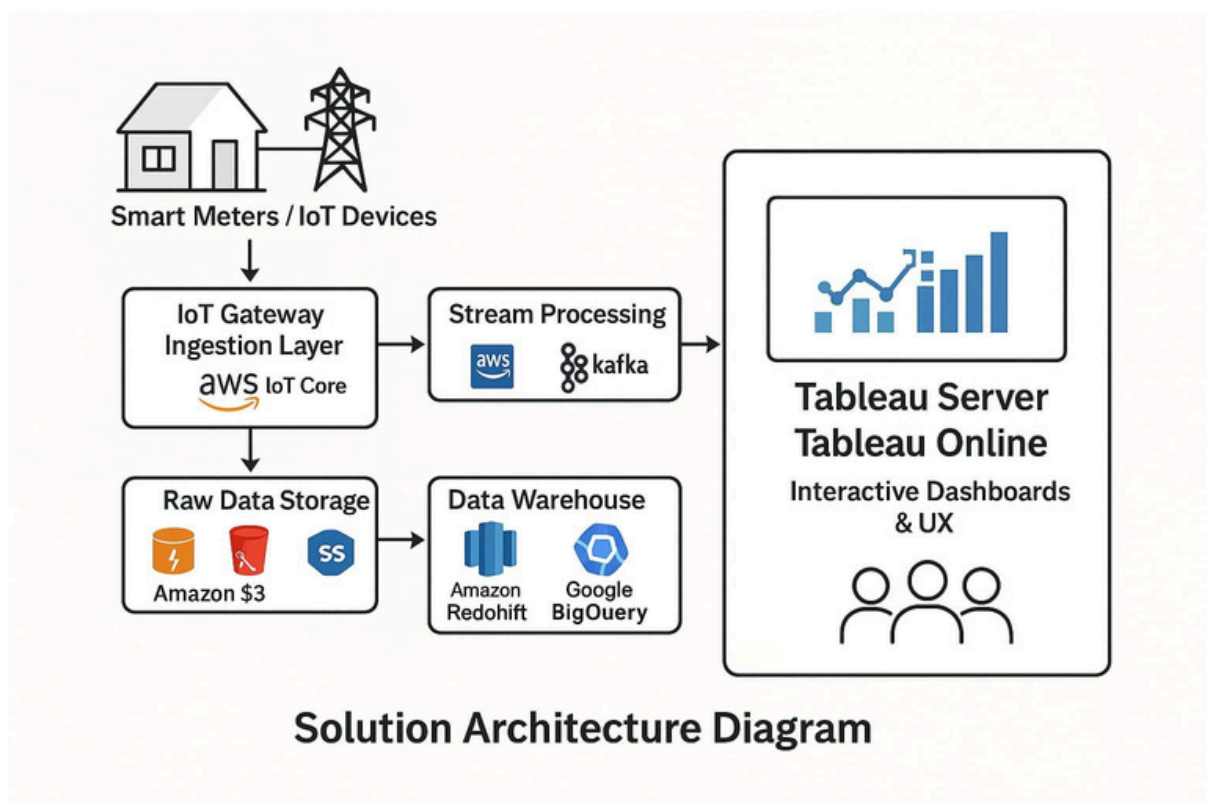


Figure 1: Real-Time Electricity Consumption Analytics Architecture

**Reference:**

<https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/>