

# Architectural Katas Peer Reviews

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# 1 A summary of the report[1][2]

**Summary of the “Architectural Kata Hot Diggety Dog”:** The report provides an in-depth analysis and proposal for a comprehensive Amazon Web Services (AWS) architecture tailored for a food truck business. It offers a viable solution to manage and analyze customer data, monitor operations, and streamline payment processing through a blend of services such as Lambda, DynamoDB, S3, and Kinesis. The report effectively illustrates the technical specifications and workflow, but could be improved by providing real-world examples, a detailed cost breakdown, and more streamlined organization for better comprehension.

**Summary of the “Grid The Grid An Architectural Kata”:** This report provides an in-depth review of a new software architecture that focuses on enhanced scalability and reliability. The architecture is built around microservices and employs modern technologies like Kubernetes and Docker, making it more adaptable to changing requirements. Despite its technical complexity, the report effectively breaks down the architecture into components and layers, thereby explaining how each part contributes to the system’s overall function. However, the use of technical jargon can make it challenging for a non-technical audience, and the lack of visual aids or real-world application examples might limit comprehension. The detailed design evaluation and risk analysis further strengthen the report by ensuring transparency in design choices and awareness of potential challenges.

## 2 Strengths where I identify three strengths of the report

**Three strengths of the “Architectural Kata Hot Diggety Dog”:**

- **Detailed Analysis and Solution Design:** The report extensively discusses each aspect of the business requirements and the chosen technological solution. It dives into specifics about AWS services and how they map onto each requirement. This attention to detail shows a thorough understanding of the problem and the solution, making the recommendations credible and trustworthy.
- **Risk Identification and Mitigation:** The report not only proposes an architecture but also identifies potential risks and offers mitigation techniques. This comprehensive approach

ensures that the solution is robust and ready for potential challenges. It demonstrates foresight, understanding of the business context, and solution design.

- **Consideration of Business Context and Needs:** The report consistently factors in the unique needs and context of the food truck business. It focuses on the requirements like affordability, mobility, and manageability, and articulates the trade-offs with other aspects like scalability or modifiability. This sensitivity to the business context makes the solution more aligned to the company's needs and more likely to be successful.

#### **Three strengths of the “Grid The Grid An Architectural Kata”:**

- **Detailed Overview:** The report presents a comprehensive and detailed overview of the Grid The Grid Architectural Kata. It explains the intended purpose of the software solution, the assumptions made during the design process, use cases, key actors, the selected cloud software architecture, and the cloud services employed. This level of detail provides a thorough understanding of the system being developed.
- **Well-Structured:** The report is well-structured and organized, making it easy for the reader to follow. It uses clear headers and sub-headers to divide the content into manageable sections, and each section presents information in a logical and coherent manner. This enhances the readability of the report and aids in comprehension.
- **Balanced Evaluation:** The report provides a balanced evaluation of the proposed solution. It not only highlights the advantages and justifications for using certain technologies or architectural patterns, but also acknowledges their limitations. This balanced perspective provides a realistic understanding of what can be achieved with the proposed design. In addition, the report identifies potential risks and provides corresponding mitigation strategies, indicating a thorough analysis and proactive planning process.

### **3 Improvement opportunities where I identify three opportunities of improvement for the report**

#### **Three opportunities of improvement for the “Architectural Kata Hot Diggety Dog”:**

- **More Real-World Examples and Case Studies:** While the report does a great job in explain-

ing the proposed AWS architecture, it might have been even more effective if it included real-world examples or case studies of similar businesses that have used AWS in similar ways. These examples can provide practical insights and bolster the credibility of the proposed solution.

- **Cost Breakdown and Analysis:** While the report mentions the affordability of the solution, it does not provide a detailed cost breakdown. An in-depth analysis of the cost of implementing and running the proposed architecture, compared to other potential solutions, would give the food truck business a clearer idea of what to expect and make budgeting easier.
- **Better Organization and Structure:** While the report is thorough, it could be better structured to guide the reader through the complex technical details. Providing summaries at the end of each section or using more visual aids like diagrams and flow charts could make the report more digestible and easier to follow. These enhancements would make it more accessible to readers who may not be as technically savvy.

#### **Three opportunities of improvement for the “Grid The Grid An Architectural Kata”:**

- **Technical Jargon:** The report tends to use technical terms without always providing a clear definition or explanation for a non-technical audience. Simplifying some of the language or providing more explanations for technical jargon could make the report more accessible to a wider range of readers.
- **Real-world Examples and Case Studies:** Including real-world examples and case studies can make the report more practical and relatable. It can provide context and demonstrate the practical application of the software architecture in real-life scenarios.
- **Executive Summary:** An executive summary at the beginning of the report might be beneficial for readers who need a quick understanding of the main points. It will allow for an at-a-glance understanding of the report's contents and significance.

## References

- [1] Chip Henderson, Samuel Kevetter, and Mitch Lamberth. *Architectural Kata Hot Diggety Dog*. (accessed: 07.26.2023).
- [2] Yujie Yi and Venkatesh Karadbhajne. *Grid The Grid An Architectural Kata*. (accessed: 07.26.2023).