Chad Ballay

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**Week 4**

**Case A: Questionable Meds Pharmaceuticals has been collecting sales data for five years. Sales have tremendously increased over the last two years. Jason is asked to look for trends to explain the increase.**

<https://docs.microsoft.com/en-us/analysis-services/?view=asallproducts-allversions>

While I don’t have firsthand experience, it looks like using the Analysis Service would be the ideal solution. The installation will be dictated by the Questionable Meds Pharmaceuticals own infrastructure.

Azure - <https://docs.microsoft.com/en-us/azure/analysis-services/analysis-services-overview>

SQL Server - <https://docs.microsoft.com/en-us/analysis-services/ssas-overview?view=asallproducts-allversions>

Power BI - <https://docs.microsoft.com/en-us/power-bi/admin/service-premium-what-is#analysis-services-in-power-bi-premium-preview>

With this tool several layers of data analysis will be at Jason’s fingertips to explore. There is a healthy amount of documentation and tutorials in place. In addition, looking at reviews external to Microsoft there seems to be a consensus that it can do what the task is for this scenario.

**Case B: Jason of Questionable Meds Pharmaceuticals must provide sales information to the senior managers on a weekly basis. Senior management has requested that they receive the information in the same format and using the same organization each week.**

<https://docs.microsoft.com/en-us/sql/reporting-services/create-deploy-and-manage-mobile-and-paginated-reports?view=sql-server-ver15>

For this I would look into SQL Server Reporting Service. Consistency is a focus of the request and this tool seems to fit the goal there. In addition to it being a native tool, it also is fully featured so as to accomplish more than needed.

The first phase of generating the work is to use the Report Designer tool to help identify what data is it that Senior Management wants. For this we will need to be extremely aware that this will be an ongoing/iterative design process. This means where possible, embracing industry best practices in structure these reports.

The second phase will be the delivery phase. This phase is the simpler of the two since we have the data, the senior management wants the data, we just have to identify a means to get it to the right people at the right time.