



INTRODUCTION

- The overall goal is how to reduce Azure Sentinel data ingestion-related costs?.
- Sentinel usage cost is based on data ingestion in: Azure Sentinel and LogAnalytics (LA).
- More info on Azure Sentinel ingestion at https://azure.microsoft.com/en-us/pricing/details/azure-sentinel/
- More info on LogAnalytics ingestion at https://azure.microsoft.com/en-us/pricing/details/monitor/
- Both ingestion models (For Sentinel and LA) give discount for data reservation.
- PROBLEM: as both models are different, to discover a precise estimated price is difficult/variable.

The following slides cover:

- When should you reserve data in Sentinel and LA?
- How much will you pay per month if we reserve data?
- How much cost each GB when you reserve logs in Sentinel and LA?
- Can we trust the Azure Calculator?

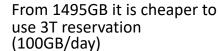




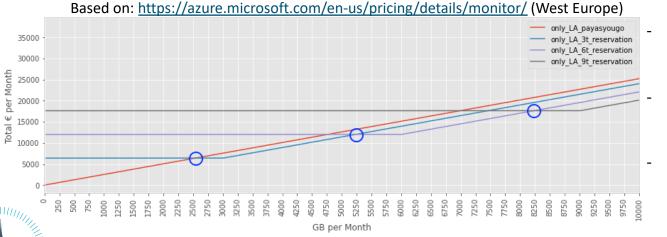
WHEN SHOULD YOU RESERVE DATA IN SENTINEL AND LA?

Price/month per GB/month





- From 4196GB it is cheaper to use 6T reservation (200GB/day)
- From 7196GB it is cheaper to use 9T reservation (300GB/day)

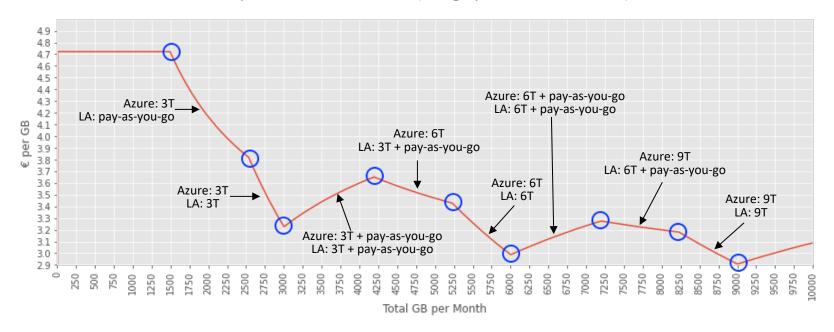


- From 2536GB it is cheaper to use 3T reservation (100GB/day)
- From 5231GB it is cheaper to use 6T reservation (200GB/day)
- From 8231GB it is cheaper to use 9T reservation (300GB/day)



HOW MUCH COST EACH GB WHEN I RESERVE LOGS IN SENTINEL AND LA?

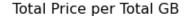
Unit price based on Total GB (using optimized reservation)

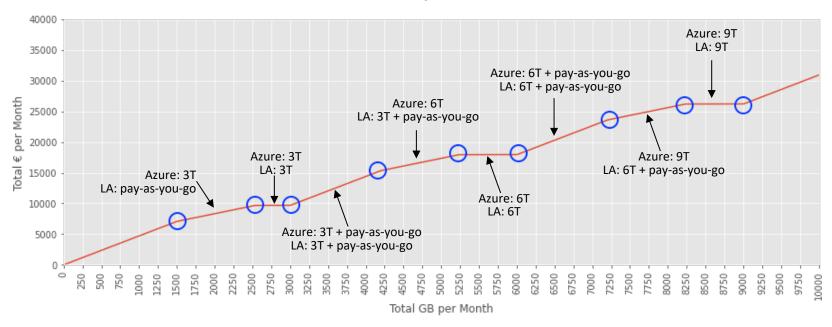






HOW MUCH WE WILL PAY PER MONTH IF WE RESERVE DATA?







CAN WE TRUST THE AZURE CALCULATOR? (SOME ERROS)

Logs ingested



€7.058.46

Azure Sentinel is billed based on the volume of data ingested for analytics in Azure Sentinel and stored in the Azure Monitor Log Analytics workspace. This estimate includes the cost related to analytics provided by Azure Sentinel and data ingestion costs for Log Analytics. The estimate is calculated using the most optimal combination of capacity reservation and pay as you go prising considering your expected daily ingestion. This calculation uses 0 GB/day capacity reservation on Log Analytics and 0 GB/day capacity reservation on Azure Sentinel The data not covered by capacity reservation is billed using pay-as-you-go pricing. Use of Azure Logic Apps and additional resources for bring your own machine learning (BYOML) models is not included.

> With pay-as-you-go: 50*30days* **€2.20** = 3.300 With 100GB/day reservation: 30days* €109.63 = 3.288,9

Magic number?!

50*30*2,1926=3.288,9



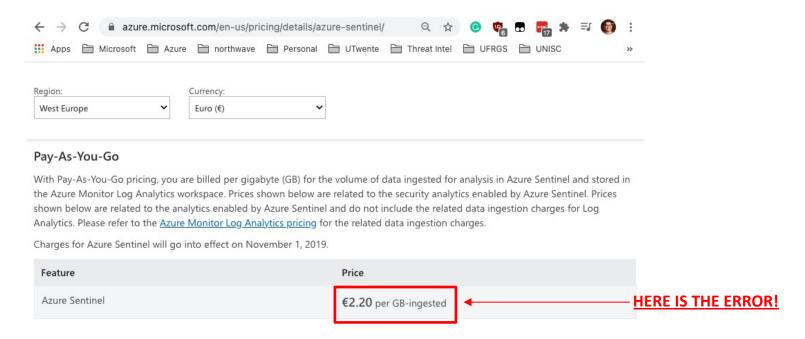
€7,134.11

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CAN WE TRUST THE AZURE CALCULATOR? (SOME ERROS)



Real invoice!

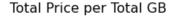
Magic number!

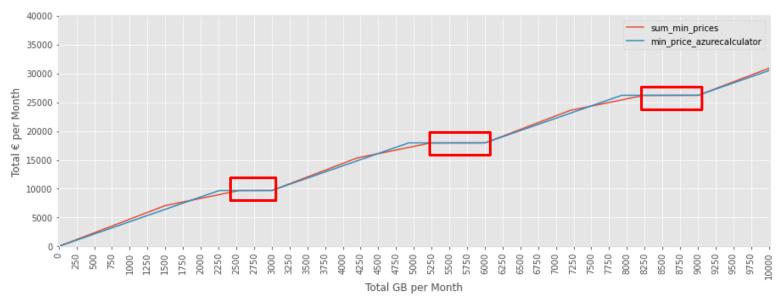
Sentinel Analysis	EU West	0.0033	0.0000	0.0033	2.1926
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CAN WE TRUST THE AZURE CALCULATOR? (SOME ERROS)



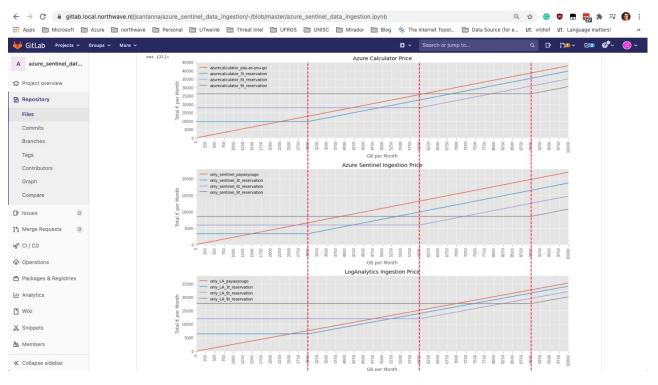


This proves that, overall, we can trust the Azure Calculator! It is not 100% but the error will be a couple of Euros in the end bill.





ALL OUR CALCULATIONS ARE PUBLICLY AVAILABLE



https://github.com/jjsantanna/sentinel_versus_azure_calculator /blob/master/sentinel versus azure calculator.ipynb





