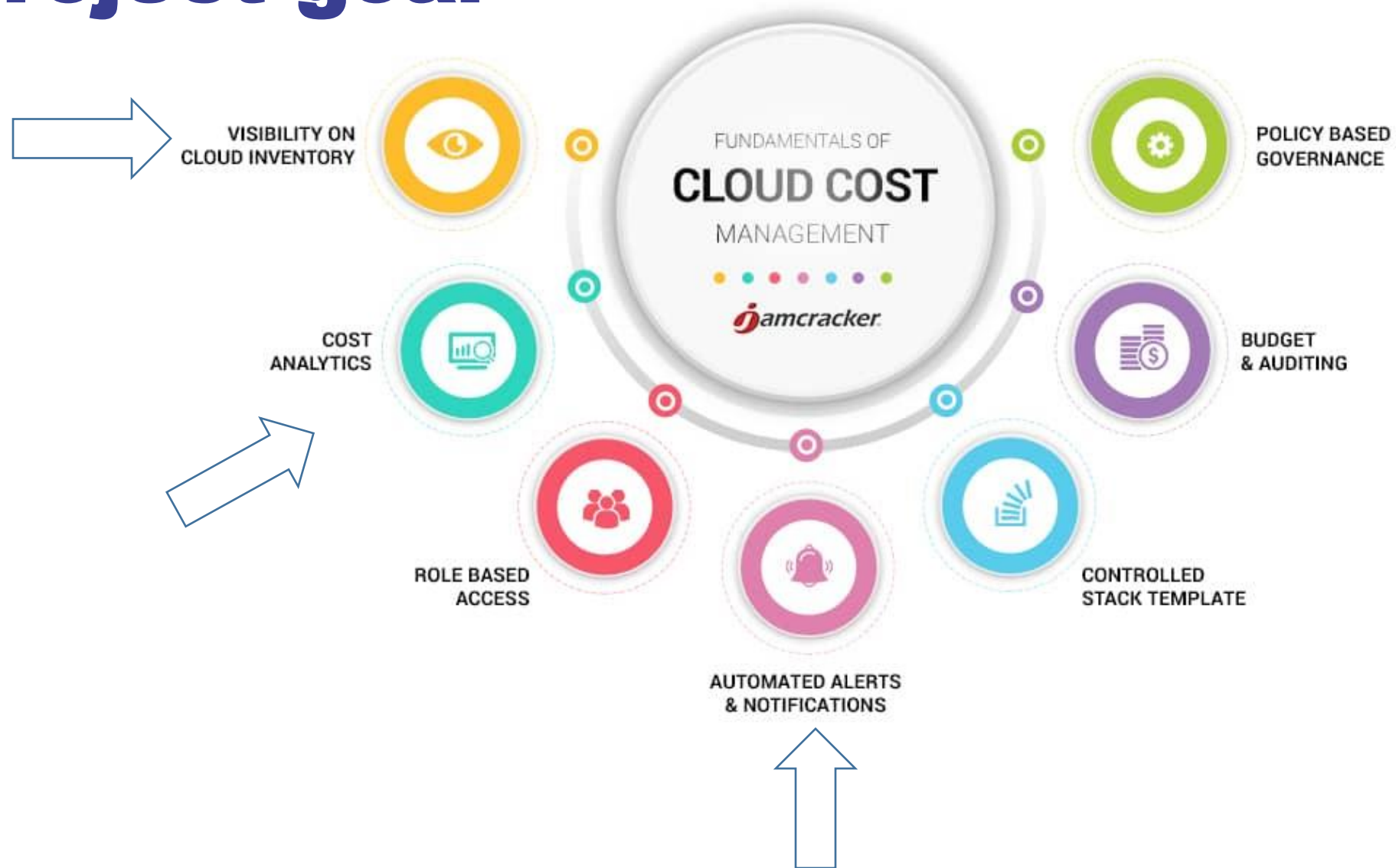# Open Source Cloud Costing Framework

Student: Voronkova Anastasiia

Vvanast@yandex.ru
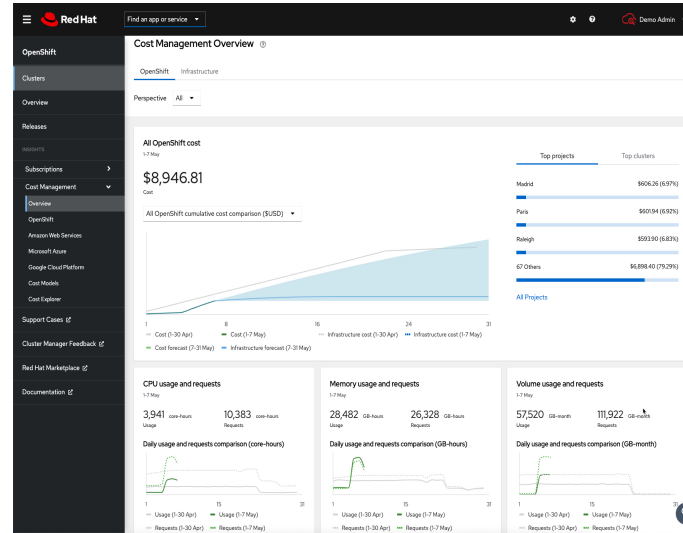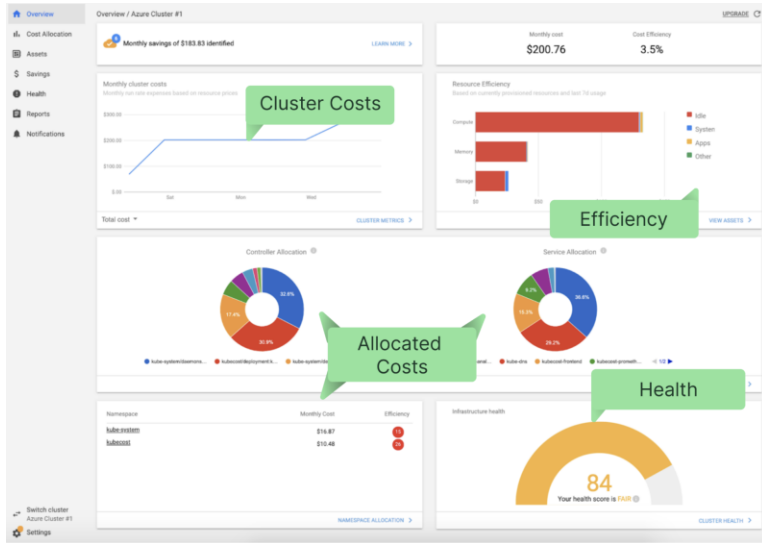
Supervisor: Luis Fernandez Alvarez

luis.fernandez.alvarez@cern.ch

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Project goal

Cloud cost management tools
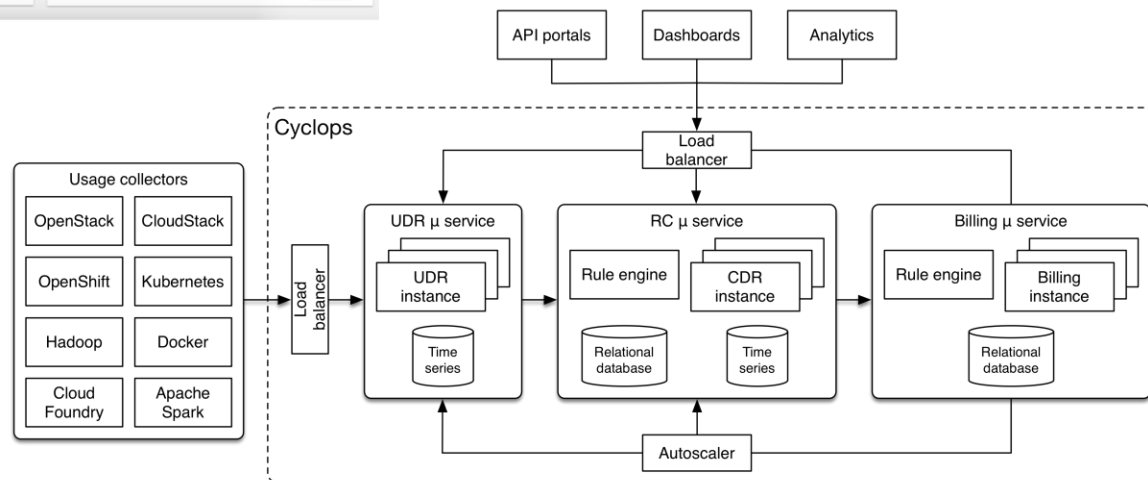
Cloud cost management tools

Comparison

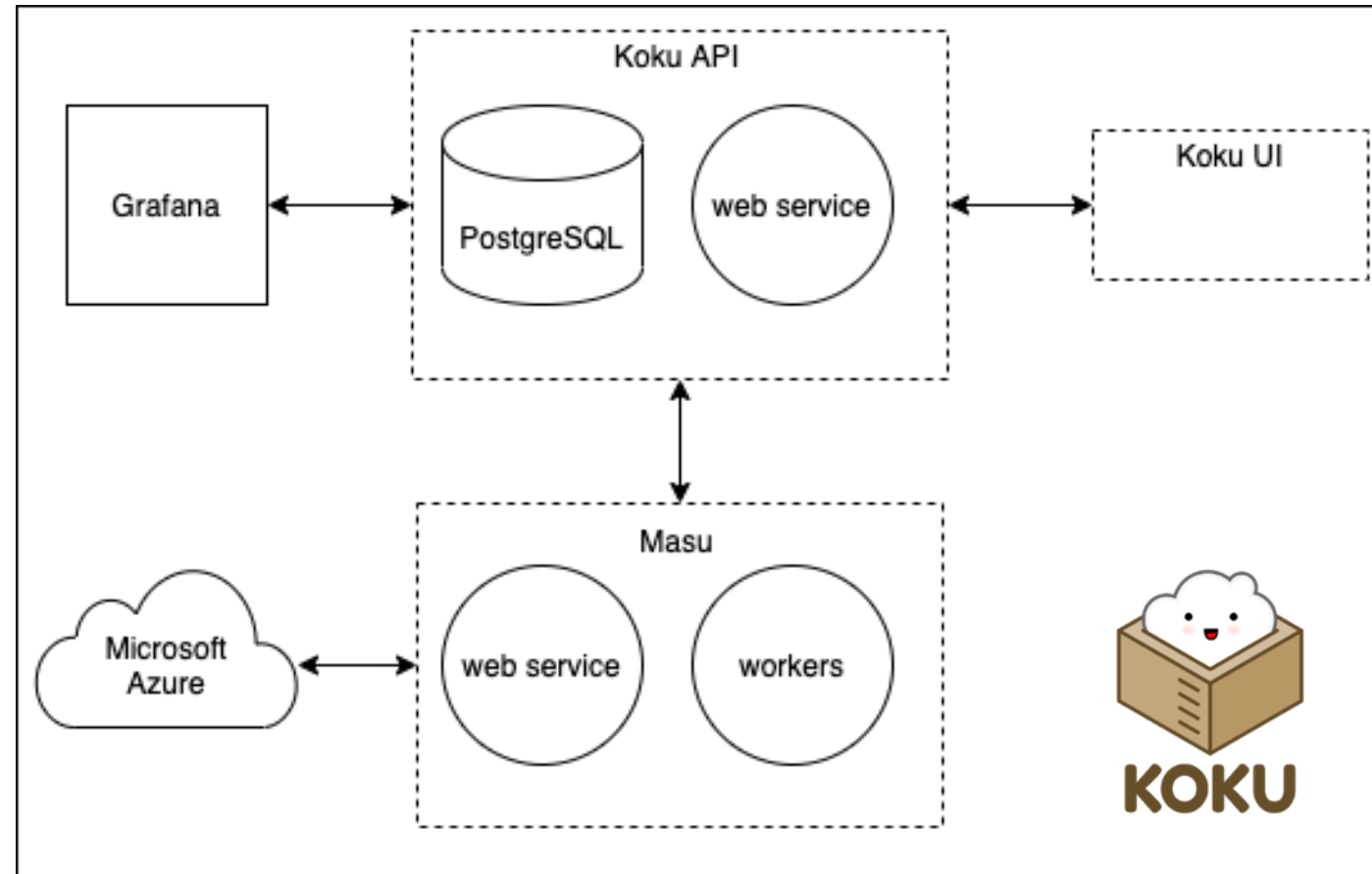|	Micosoft Azure support	Can provide information for all types of resources	Visualization of costs	Prediction of costs	Alerting
Kubecost	Only through Kubernetes	Only Kubernetes	+	+	+
Infracost	+	+			
Cyclops		+	+	+	
Koku	+	+	+	+	

Cloud cost management tools

Project Koku

Project Koku

Koku UI

Project Koku

Koku API

Prediction of costs

Prediction of costs
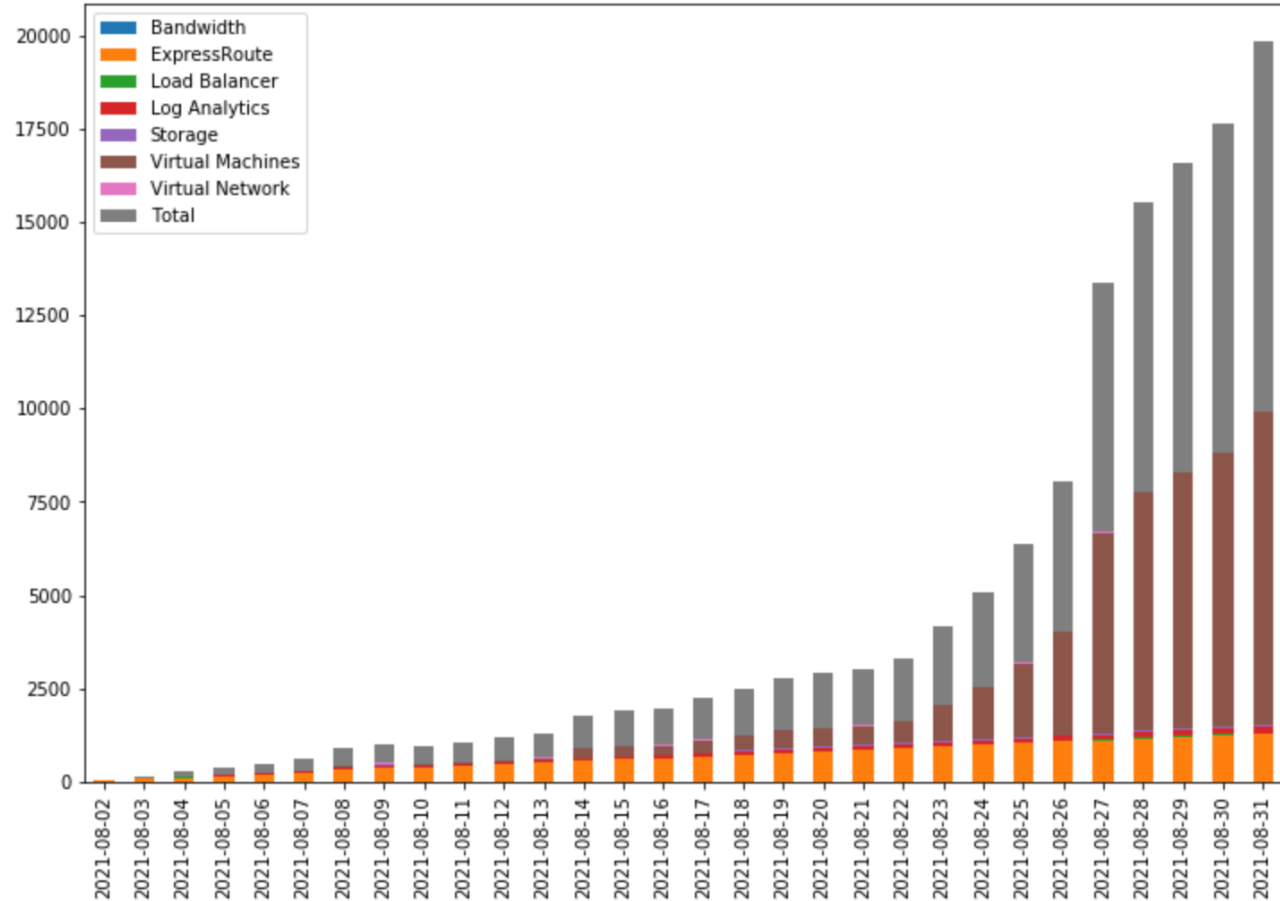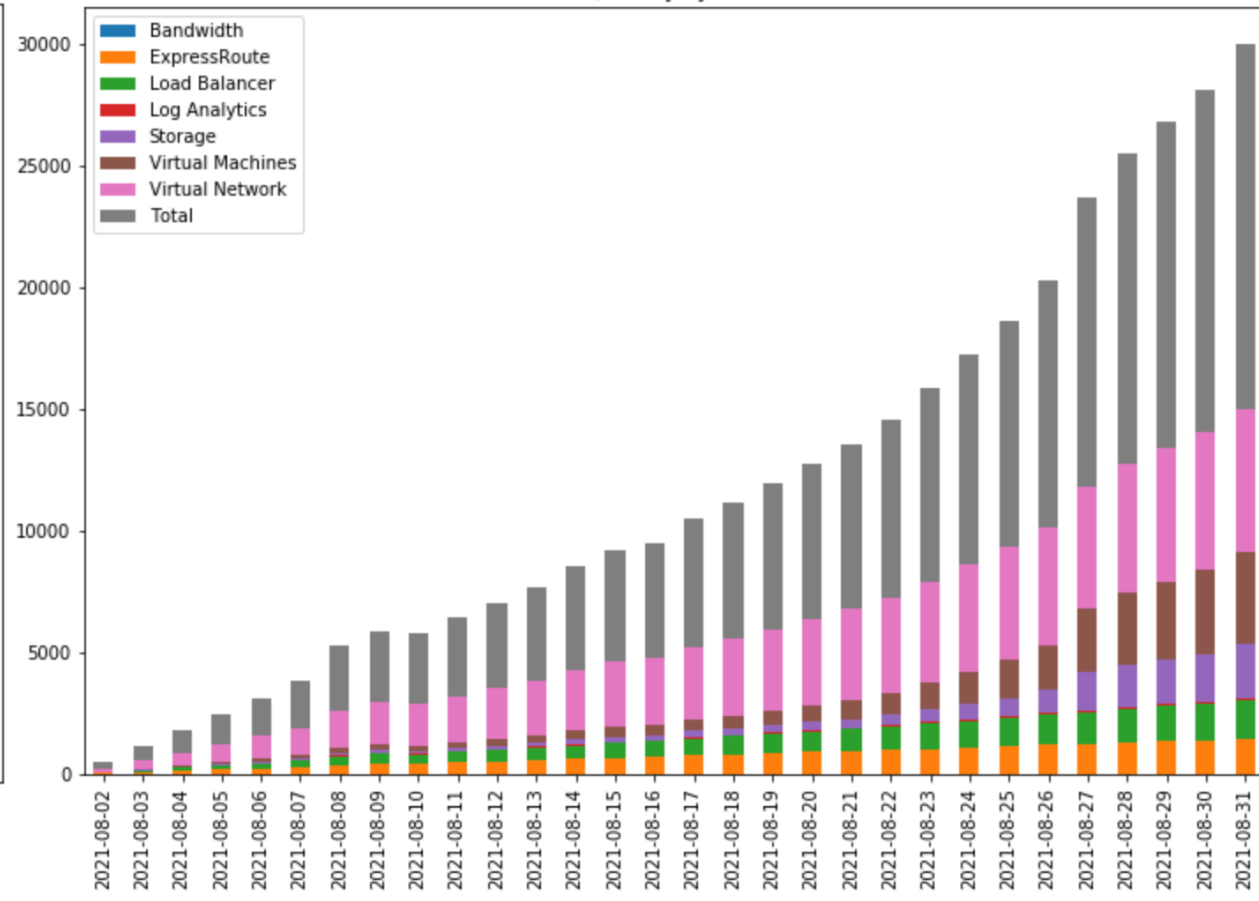
Conclusion

Koku is a good tool:
- It supports major cloud providers, including Microsoft Azure
- Cloud cost is gathered and processed, exposed in a common framework for all providers
- It is an open source and actively maintained project

..but:
- Koku UI is coupled to Red Hat Insights dependencies – hard to deploy
- The forecasting functionality is considered too simplistic
- No alerting functionality.

So:
- Estimate the value of modifying Koku, particularly providing a working UI
- Follow the developments of Koku and interest from other communities
- Alternatives would imply custom solutions or evaluate commercial products.

QUESTIONS?

Thank you for your attention!

Vvanast@yandex.ru

References

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2. Kubecost, https://www.kubecost.com/
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4. Cyclops, https://icclab.github.io/cyclops/
5. Red Hat Insights, https://cloud.redhat.com/security/insights/