# Week 2, Session 2

No unread replies.No replies.

**Sharda 3.5-3.8; Articles: 1) Evolving DW and BI architectures: The big data challenge, 2) Enabling self-service BI with a logical data warehouse, 3) From layers to pillars - A logical architecture for BI and beyond, 4) The DW-on demand: The DW redefined in the cloud**

1. Why is ETL necessary to populate a data mart/data warehouse?
2. Explain why the need for extensive ETL maybe a sign of poor/incoherent data management.
3. What are some key differences between Inmon’s and Kimbal’s approach to data warehousing? Which approach would you favor? Why?
4. What is a cube? What do drill down, roll up, slice and dice mean?
5. When developing and implementing a data warehouse, what are some of the issues and risks to consider and potentially avoid/minimize?
6. Discuss one or more developments/issues that are pertinent to the future of data warehousing.
7. Do you agree with the author that a use-case driven approach is better than a data-driven approach to data analytics architecture? Why or why not?
8. Discuss the key differences between traditional and logical (virtual) DW architectures?
9. Is a logical (virtual) DW a viable alternative to the traditional DW? Explain.
10. Discuss the pros and cons of a logical (virtual) DW.
11. Share your experiences as an observer or participant in the development or modification of a data/information architecture for BI.
12. Share your professional experience either as a DW client/user or support staff.
13. Do you agree with the author’s case for hosting DWs in the cloud? Why or why not?
14. Share your professional experience in deciding whether to host DW (or, any other IT services) in the cloud.
15. Share your professional experiences in using a DW (or, any other IT services) hosted in the cloud.