



BUS112 – 10 hours

Business Intelligence and the Cloud

Course Objectives

After completing this course, you should be able to:

- Understand cloud computing
- Understand cloud deployment models.
- Understand what Big Data is and its effect on business intelligence.
- Be familiar with service level agreements and how they pertain to cloud computing.

Outline

Chapter 1 – A History of How We Got to cloud Computing

- The Rise of Cloud Computing
- Conclusion
- Notes

Chapter 2 – Characteristics and Service Models

- Introductory Considerations
- A Cloud Implementation
- Defining Cloud Computing
- Conclusion
- Notes

Chapter 3 – Deployment Models

- Important Considerations
- Public and Private Clouds
- Examples of Cloud Computing
- Private Clouds in Context
- Hybrid Clouds
- Community Clouds
- Conclusion
- Notes

Chapter 4 – Strategic Measurement: TCO, ROI, OPEX/CAPEX

- Total Cost of Ownership
- Financial Measurements
- Conclusion
- Notes

Chapter 5 – Cloud Adoption: Are Your Organization and Its Stakeholders Ready to Adopt Cloud Computing?

- Regulatory Influence
- The Effects on Your Organization
- The Effects on External Stakeholders
- Conclusion
- Notes
- Input: Data Collection Systems

Chapter 6 – Service level Agreements

- The Traditional or Typical Telecom SLA QOS
- Introducing the Cloud SLA
- SLA Types
- Cloud Use Cases
- ALS by Type of Service and Deployment
- Anatomy of a Standardized SLA
- Negotiating the Cloud SLA
- Conclusion
- Notes

Chapter 7 – Business Intelligence: The Interaction of Business Intelligence and Cloud Computing

- BI Strategy
- Objectives for a BI Project
- The Analytics Cycle
- Conclusion
- Notes

Chapter 8 – Big Data's Effect on BI Efforts in the Cloud

- Defining Big Data
- Managing Big Data
- Conclusion
- Notes

Chapter 9 – Mobile Computing Intersection: The Intersection of Mobile, Cloud, Big Data, and Business Intelligence

- Defining Mobile Computing
- Mobile in the Enterprise
- Mobile and the Consumer Experience
- Conclusion
- Notes

Conclusion

Glossary

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