

DSA-475 : Big-Data and Cloud Computing

Introducing the concepts of big data and cloud computing. Topics cover big-data concepts, popular cloud computing platforms (e.g., Google App Engine, IBM Bluemix and Amazon Web Service), as well as cloud programming architectures and paradigms. The emphasis is Hadoop ecosystem, including the fundamentals of HDFS and MapReduce (e.g., HDFS architectures, parallel algorithm design, and parallel performance analysis). Offered alternate years.

Credits 3

Prerequisites

[DSA-400](#); [DSA-425](#)

Term Offered

Spring Only

Session Cycle

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