

IoT & Big Data

- Home Automation
 - ON/OFF appliance
 - Report state of appliance periodically.
- Huge Storage

Hadoop @ SunBeam Infotech

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- High velocity, High volume & High variety.
- Process data
 - Analyze Time/Day of max/min usage.
 - Decide state of appliance minimize electricity.

 Invent new products, new marketing schemes.

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6

Data Engg vs Data Science

- Databases
 - RDBMS & NoSQL
 - Data Warehousing
- Big Data
 - Hadoop, Spark, HDInsight, BigTable, ...
- Infrastructure
 - Linux, Cloud Computing
- Parallel computing

- Data Science
 - Statistics and Machine learning
 - R Programming, Python
- Data Analytics
 - Data Visualizations & Business Decisions
 - Tableau, QlikView, ...

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Big Data

- It is all about :- Think, Collect, Manage, Analyze, Summarize, Visualize, Discover Knowledge and Take Decisions.
- Domains: Health-care, Retails, Trading/Share market, Finance, Security, Fraud, Search engines, Log Analysis, Telecom, Traffic Control, Manufacturing and lot more.

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Scope for Big Data

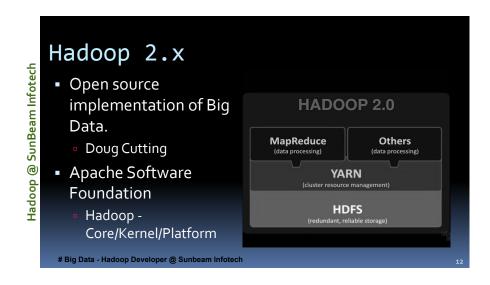
- By 2020, more than 60 billion dollar industry.
- Job profiles:
 - Big Data Developer, IT operations
 - Data analyst, Data Scientist, Business Intelligence
 - Big Data Architect
- The sexiest job in the 21st century require a mixture of multi-disciplinary abilities and suitable candidates must be prepared to learn and develop constantly.

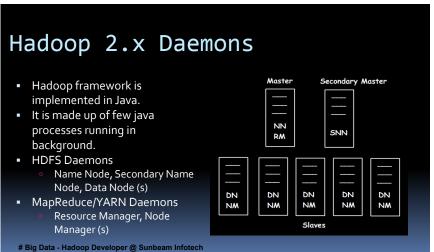
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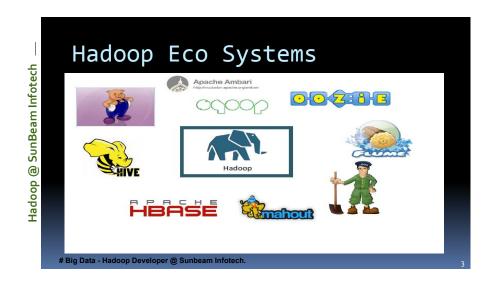
CONTROLLED TO THE STATE OF THE

BIG DATA & AI LANDSCAPE 2018









Hadoop Distributions

- Installing, monitoring, troubleshooting and maintaining Hadoop cluster along with Eco-systems is tedious.
- Hadoop distributions provide installations & tech-support for Hadoop eco-systems commercially.
- Some of the services are available on-premise and most of them are cloud based.
- Most popular are: Cloudera, HortonWorks, MapR, IBM, Intel, Microsoft, AWS and Pivotal Software.
- These services are preferred in production due to their stability, reliability and cost effectiveness.

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