Center for Data Analytics Research as a Response to Big Data Challenges

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INTRODUCTION to CeDAR

Center for Data Analytics Research

Joint project

- R&D in state-of-the-art Data Science
- Increase Public, Industry and Government awareness
- Develop Industry-oriented Certification Programs, Undergraduate and Graduate programs in Data Science
- Attract youth to do outstanding research and build career career in Data Science

Research Areas

- Large-scale Data Management Tools, Architectures and Platforms
- Text Analytics, NLP and Computational Linguistics
- Speech Recognition
- Cross-Industry oriented (Big) Data Analytics
- AI and Machine Learning
- Data Visualization
- Web Data Mining

Activities within Project

- Fellowship program for researchers in DS
- Work-study program for students
- Certification programs in Data Science and Data Analytics
- Students Projects and Innovation Hub
- Open Data Hackathons
- Feasibility study for MS program in Data Science and Analytics

ADA
Center for Data Analytics Research
CeDAR

CeDAR Certification & Training Lab

Computer Lab - for trainings and certification programs and to be used as general purpose computer lab.

Laboratory is equipped with most powerful all-in-one workstations in market from HP:

Workstation: HP Pavilion 27inch - Intel® CoreTM Core i7 2,8GHz, 1TB HDD 7200 SATA, 16GB DDR4, NVIDIA GF930MX 2GB

Computing Facilities at CeDAR

Computing Cluster - the primary component of the CeDAR. This is powerful, scalable and fault-tolerant computing cluster based on distributed architecture, which will operate totally on open-source software.

Characteristics of computing cluster:

- Processing CPU Cores: 102
- Combined Memory: 1,568 TB
- Total Storage: 136 TB

Service	Host	Status	24-Hour	Response
All	Any	All		
Ambari	dnode01.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [12.14%, 6.5 GB], Capacity Total: [53.7 GB], path=/us…
Ambari	dnode02.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [8.12%, 4.4 GB], Capacity Total: [53.7 GB], path=/usr/…
Ambari	dnode03.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [7.98%, 4.3 GB], Capacity Total: [53.7 GB], path=/usr/…
Ambari	dnode04.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [7.90%, 4.2 GB], Capacity Total: [53.7 GB], path=/usr/…
Ambari	dnode05.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [7.65%, 4.1 GB], Capacity Total: [53.7 GB], path=/usr/…
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Ambari	dnode08.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [7.47%, 4.0 GB], Capacity Total: [53.7 GB], path=/usr/…
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Ambari	dnode13.cedar.cluster.ada	OK for 2 days	0	Capacity Used: [11.43%, 6.1 GB], Capacity Total: [53.7 GB], path=/us…
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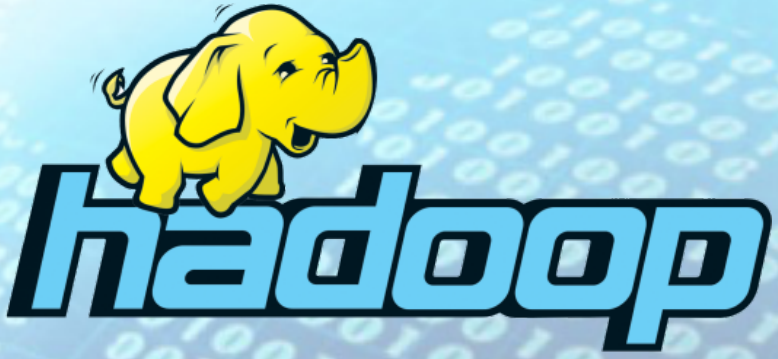
CEDAR.CLUSTER.ADA

Hadoop Ecosystem Components



SCIENTIFIC and
INDUSTRY ORIENTED EVENTS

3RD INTERNATIONAL FORUM
BIG DATA DAY
- BAKU 2017 -

ORGANAZED BY:

CEDSRT
Center for Data Science Research and Training

CeDAWI
Center for Data Analytics and Web Insights

MEDIA PARTNER:

INFOCITY
technics & technology magazine

OFFICIAL PARTNER:

bp

30 MAY, 2017
ADA UNIVERSITY
WWW.CEDAWI.ORG/BDDB2017

UNIVERSITET • UNIVERSITY
ADA

INNOVATION PARTNER:

IBM

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#bddb2017

transforming Big Data into Big Value

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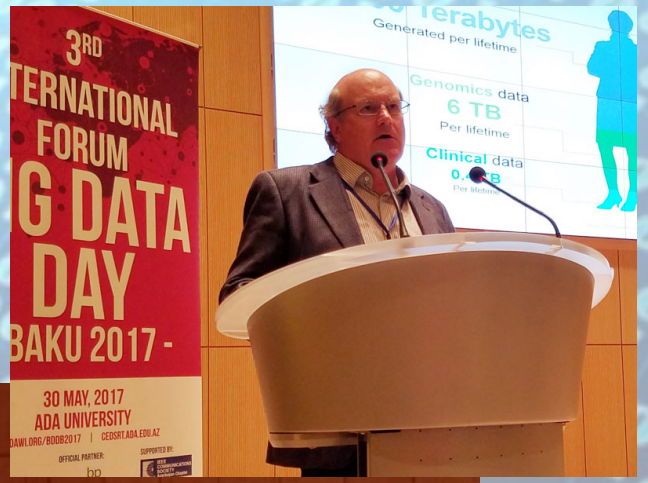
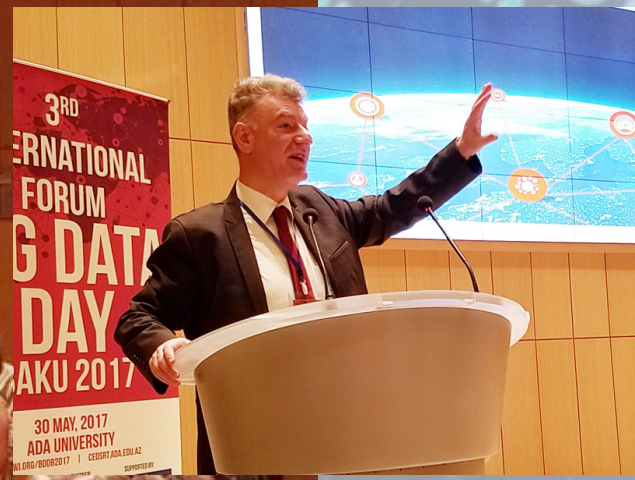
Big Data Day Baku 2017





11th IEEE International Conference AICT2017

20-22 Sep 2017, Moscow
www.aict.info/2017

AAdamov, CeDAR, ADA University

BIG DATA ANALYTICS HACKATHON

29-30 June 2018, ADA University

WHY SHOULD I PARTICIPATE? (BENEFITS):

- Try new technology, learn and compete in friendly and collaborative environment
- Participate in dedicated training provided by Center for Data Analytics Research (CeDAR)
- Networking with peers and industry expertsVisibility to industry increasing chances for internship and full-time position
- Learn and face with real cross-industry business challenges

RECOMMENDED QUALIFICATIONS:

- Experience in statistics and statistical tools
- Experience in Machine Learning and Data Science methods to business problems
- Programming experience in any of: R, Python, Scala, SQL
- BSc / MSc / PhD in the field of Computer Science, Applied Mathematics, or any other area of STEM
- Strong presentation and communication skills
- Team work and project management skills

Summer Short Trainings

- Data Analytics Tools and Techniques
- Machine Learning for Data Science
- Big Data Platforms and Components

SUMMER INTERNSHIP PROGRAM at CeDAR

Q & A

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