

THE BIG DATA SEMINAR 2019

Featuring Krish Krishnan

One of the World's Most Knowledgeable Experts on BIG DATA

Learn All About BIG DATA and Real-World Case Studies

June 6-7, 2019 (Thursday-Friday) ♦ Washington, DC ♦

Crystal City Hilton adjoining Reagan National Airport

(2399 Jefferson Davis Hwy ♦ Reagan Washington National Airport ♦ Minutes to Downtown Metro, Mall, and Olde Town Alexandria)

**Tutorial on all of the latest TOOLS and TECHNOLOGIES - Analyzing, Selecting and Using
The BIG DATA TOOLS for Reporting, Database, Data Analytics, MetaData, and ETL**

Learn All About BIG DATA and Real-World Case Studies

Typical Use-Cases and Applications,

And How to Make the Most of the Power of BIG DATA in Your Organization

< SPECIAL HALF DAY HADOOP DEMO BY KRISH >

**♦ BIG DATA: ARCHITECTING FOR BUSINESS INTELLIGENCE AND DATA
WAREHOUSING - LATEST TOOLS AND TECHNOLOGIES ♦**

Krish Krishnan, President and CEO, Sixth Sense Advisors, Inc

Co-Author with Bill Inmon: "Building the Unstructured Data Warehouse",

Recently Authored: "Data Warehousing in the Age of BIG DATA"

Faculty Member, The Data Warehouse Institute (TDWI),

Chief Technology Officer of Forest Rim Technology, LLC,

"BIG DATA Evangelist and World Leading Expert, Very Popular Seminar Leader"

**"This is a Must-Hear Two-Day Intensive Overview of the Future World of BIG DATA and How to Utilize and Leverage
it within Your Own Organization as Presented by one of the World's Leading Experts"**

"Krish is simply the best instructor and teacher out there bar none"

♦ To Register: [Click Here](#) ♦ Additional Information: [Click Here](#) ♦ DMForum: [Click Here](#)

SEMINAR TOPICS COVERED

Definition of Big Data Environment	The Five V's of Big Data (V5)	BIG DATA Governance
Machine Learning /Cognitive Computing	Big Data Architecture (BDAF)	Analysis Tools for Data Scientist
Types of Big Data / Data Sources	Topical, Social, Temporal View	Data Streaming Applications
What is HADOOP/How Does it Work	Dremmel and Spanner	Business Drivers of High Volume
HDFS / Map Reduce / Latin / Pig Latin	Complex Event Processing (CEP)	Streaming Analytic Query (CQL)
Distributed Servers (Amazon EC2)	Semantic Processing (OWLIM)	Document Oriented Databases
Hybrid Architectures	Workflow Engines (OOZIE)	Workflow Balancing / Scalability
Distributed Processing (Map/Reduce)	Distributed Storage-Amazon S3)	Distributed File Systems (DFS)
SCRIBE and Logging Vehicles	Streaming Data Collection (Flume)	Columnar Databases (HBASE)
Linking Relational Database (e.g.Sqoop)	Building Unstructured Databases	Machine Learning Library(Mahout)
Clustering and Classification	NoSQL Database (e.g. Mongo)	CouchDB, VoltDB, ZooKeeper
Graph Databases and Visualization	Role of Data Modeling	Taxonomies and Ontologies
ETL: Unstructured/Structured	Metadata Sharing/Integration	Cassandra, Redis, HBase
Innovative Data Integration	Smart Sampling / Data Mining	Fortune 500 Typical Applications
Big Data Lifecycle	Best Practices / Best Technologies	Workload Driven Design
Practical Considerations	Future Trends & Technologies	Best of Breed Tools & Techniques
Glossary of <u>BIG DATA TERMS</u>	Typical Use-Cases	Gartner BI Magic Quadrant
Integration with Traditional Data	White House Research Program	Forrester Wave Product Evaluation

WHAT YOU WILL LEARN

Defining Big Data – What Is It and How Best To Utilize It

The Major Architectural Components of BIG Data – How They Fit Together

Big Data Technologies and How to Decide the Best for Your Organization

Linking Traditional Databases to the BIG DATA Environment (DBMS's, Data Lake, Data Pond, etc.)

Data Management in Big Data Era: The Challenges and The Opportunities

Why so many Versions of HADOOP: Apache, IBM, Oracle, Google, Amazon, etc.

Implementing Money ball Techniques to Leverage Big Data – The Role of Analytics

How to Architect Your Enterprise to Optimize Business Intelligence for BIG DATA

Why Globalization is Driving Integration and Massively Parallel Processing of Big Data

Best Practices For Managing Structured, Semi-Structured and Unstructured Big Data

What are the Leading Vendors in the BIG DATA Space: Databases, Reporting Tools, Query Languages

What are the Technology Skill Sets Needed for Training and Implementing a BIG DATA Project

How do you achieve Scalable Data Analysis and Visualization (SDAV)

Why does the role of Super Computing (e.g. IBM Watson) support the BIG DATA Environment

What Kinds of Applications Require Geospatial Analytics, Textual Disambiguation, Workload Isolation

How does the Usage of Mobile Communications and Social Media support your Big Data Projects

What are Crowd Sourcing, Longtail and Gamification Strategies

How Should you use the Forrester Wave Product Evaluation / Selection Criteria

White House Office of Science and Technology Policy (OSTP) - BIG DATA Research & Development Program (Co-Led by NIH and NSF): What Kinds of Applications and Overview of Technologies

Case Studies - Realizing Incredible Potential for Totally New Applications

SEMINAR ABSTRACT

Since the dawn of time up until 2003 mankind has created 2 exabytes of data, but today at least that much data is created each and every day. This means that standard traditional databases and tools cannot process the huge volumes of data, nor can they discern and separate the “High Value” from the “Low Value” data in order to support analytical insights. David Menninger of EMC says "we used to ask whether we could afford to store information...today we ask whether we can afford to throw it away ". Five years ago, a scalable relational database cost \$100k per terabyte and \$20k per year maintenance, but today you can store the same amount of information for \$1200 per year. It is no longer a technology decision but an economic one as the technical capabilities have progressed light years ahead in a relatively short amount of time.

The world of Data Warehouse has been evolving rapidly over the last three years into an ecosystem that is architected with traditional data, Big Data, real time data, semantic interfaces, complex algorithms, new infrastructures and serves the analytical needs of users including mobile platforms. This seminar will be a two-day interactive session on how to understand the impact of Big Data on Data Warehousing, Data Analytics, and Data Architecture. Does every enterprise need to adopt to the new evolutions of the Data Warehouse? Do the new components of the Data Warehouse provide real additional insights that can be harnessed to enable transformations in the enterprise? Does ETL have a future? How does one build new analytical platforms? Who is a data scientist and what role should that person play in your architecture?

According to James Kobielus, IBM's Big Data Evangelist and senior advisor to Data Management Forum, today's BIG DATA Developers must wrangle with a plethora of SQL-Like languages for big data access including HiveSQL, Cassandra QL, JAQL, SQOOP, Sparkll, Shark and DrQL. How do you navigate across the myriad of products and available tools?

How can the Forrester Wave Vendor Ranking and Evaluation Criteria be used to study and select what is best for your organization's needs? What types of applications are typically being implemented?

According to Dr. Ralph Kimball, "Data Warehousing has been demonstrating the value of data-driven insights for at least 20 years, ...but recently "many enterprises are looking seriously at unstructured data for the first time..." and it is going mainstream. How do you effectively link unstructured data, semi-structured data and classical relational data together to support your information architecture in order to meet the business needs and goals of your organization?

This seminar provides you a one of kind perspective on both the business and IT side of Big Data and the Data Warehouse. It includes live examples and real world case studies that will enable you to understand this subject. You will gain insights into the new world of Data Warehouse, how the new technologies are changing the way we design and build data warehouses, what will the new generation of reports and analytics look like and who are the companies that have forayed into this new world.

This two-day seminar will address these questions and many others related to BIG DATA. Practical approaches and techniques are contained throughout the presentation on the business, technical, and organizational aspects of Big Data. It will also address the skill sets required to support BIG DATA applications and BIG DATA Architectures. The seminar format is very interactive with attendee questions encouraged throughout the day, and attendee experiences shared as time permits. Delivering this seminar is unquestionably one of the world's most knowledgeable instructors and authors on this topic!

KRISH KRISHNAN'S BIOGRAPHY

Mr. Krishnan is a recognized expert worldwide in the strategy, architecture and implementation of high performance data warehousing and database solutions. As Special Advisor to Bill Inmon ("The Father of Data Warehousing") and TDWI Instructor and Author (The Data Warehouse Institute), he is a visionary data warehouse thought leader, ranked as one of the top 25 data warehouse consultants in the world, and an independent analyst, writing and speaking at industry leading conferences, user groups and trade publications. He has authored three eBooks, over 125 plus articles, viewpoints, whitepapers and case studies in Big Data, Business Intelligence, Data Warehousing and Data Warehouse Appliances and Architectures. He has co-authored a book with Bill Inmon entitled "[Building The Unstructured Data Warehouse](#)", the ground-breaking publication upon which Bill Inmon's "Unstructured Data" Seminar is based. Krish's new book "[Data Warehousing in the Age of BIG DATA](#)" (Morgan Kaufmann) will help you make the most of Big Data within your existing Data Warehousing architecture.

A recognized authority on Unstructured Data Integration, text mining and text analytics, along with Bill Inmon, he is promoting the next generation of data warehousing, primarily on DW 2.0 platforms with unstructured data integration and social intelligence as key areas in the BIG Data and Analytics dataspace.

Specialties: Performance Tuning VLDBs (250TB+), Social Media Analytics, High Performance Data Warehouse Architecture and Design, Hadoop, BIG Data, NoSQL, Text Mining, Deep Network Analytics, Neural Networks, Artificial Intelligence, Parallel Processing and Data Streaming with Big Data.

Look for Krish Krishnan's articles and [BLOG on BIG DATA Analytics](#) as Data Management Forum will be working with other publications during the 2018 time span including [IBM's Analytics HUB](#), Information Management Magazine (Source Media) and DataBase Trends and Applications Magazine, and the Big Data Quarterly (BDQ) as well as publishing many of these articles in the Data Management Forum eNewsletter.

WHO SHOULD ATTEND

This seminar is intended for business and IT Management and Executives and Technical Staff Interested in the Concepts and Usage of BIG DATA including: DATA SCIENTIST, DATA ARCHITECT, BUSINESS ANALYST, BI ANALYST, DATABASE ADMINISTRATOR, CHIEF TECHNICAL OFFICER, BI ARCHITECT, DATABASE ANALYST, SOLUTIONS ARCHITECT, PROJECT MANAGER / DIRECTOR, DATA WAREHOUSE ANALYST, DEVELOPER, All Staff involved in Big Data Tools, DataBases, Data Warehousing, Data Architecture or Database Management executives and other staff, Developers, Managers and Technicians responsible for planning, design and implementation, Data Stewards and Custodians, Architects, Metadata personnel, and anyone looking for a clear concise overview of data management and architecture as it relates to BIG DATA tools, technologies, techniques and applications. This is a "One-of-a-Kind" Intensive Tutorial Assuming no pre-requisite knowledge of BIG DATA or Big Data Databases.

Full-Day Seminar Includes:

Refreshment Breaks	Continental Breakfast	Seminar Workbook	Meet Krish Krishnan
Discounts for Government / Academic, DAMA, Groups of 3 or More, Additional User Groups (see website for additional details)			

THE BIG DATA SEMINAR 2019 EVENT PRICING

Attendee Registration Options		Early Fee (Prior Apr 27)	Standard Fee (Sat Apr 27 & after)
Seminar (Full 2 Days) (June 6-7) (Thursday - Friday)	Regular Fee:	\$1250	\$1500
	Member Discount: (Government / Academic, DAMA or Groups of 3 or More)	\$1000	\$1250
Non-Attendee CD ROM Only (Email: Registration@DMForum.org)	Regular Fee:	\$300	\$300
	Member Discount: (Government / Academic, DAMA or Groups of 3 or More)	\$300	\$300

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Note: Event Refunds given prior to six weeks before the event. After that (within six weeks before event) credit for future event will be provided if we are notified in writing within 48 hours before the event of cancellation, otherwise refunds not allowable. All Refunds subject to a 20 % Cancellation Fee to cover our processing expenses. Substitutions always allowable through Seminar Day.

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REGISTRATION DETAILS:

- To Register Visit the Registration Website [DMForum Website](#)
- For more Information: Call 516.221.5560, or Email registration@dmforum.org
- To Download Seminar Flyer: [Click Here](#)
- To See Krish Krishnan's Big Data Articles and BLOG on IBM Data Hub [Click Here](#)

ALL ATTENDEES WILL RECEIVE

- **350 page Spiral Bound Seminar Book of Class Slides by Krish Krishnan**
- **50 page Big Data Glossary - Link to SoftCopy PDF Seminar Book**
- **Full Set of Book References, Article References and Mistakes to Avoid**

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