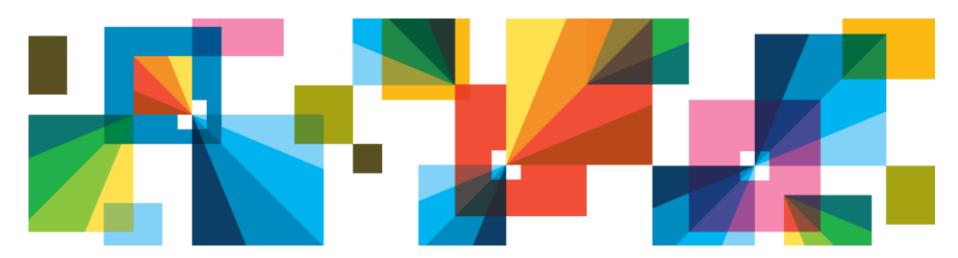


IBM Big Data in Government

Turning big data into smarter decisions



Deepak Mohapatra

Sr. Consultant – Government IBM Software Group dmohapatra@us.ibm.com



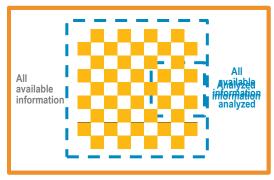
The Big Data Paradigm Shift





Big Data Creates A Challenge – And an Opportunity What If You Could...(Four Key Paradigm Shifts)

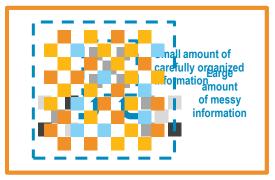
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Analyze small subsets of information

Leverage more of the data being captured

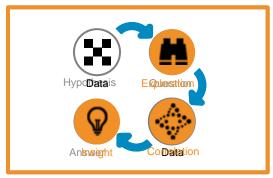
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Reduce effort required to leverage data

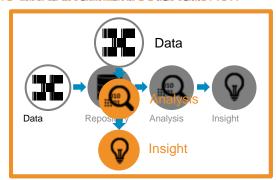
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Data leads the way—and sometimes

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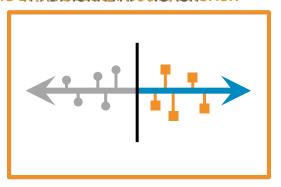
Analyzedyata dafteriit's totion processed and language introduced in the control of the control

Leverage data as it is captured



Big Data Creates A Challenge – And an Opportunity Harnessing Big Data For Analytics

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Predict and decide the best action

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Intuitive analytics for everyone

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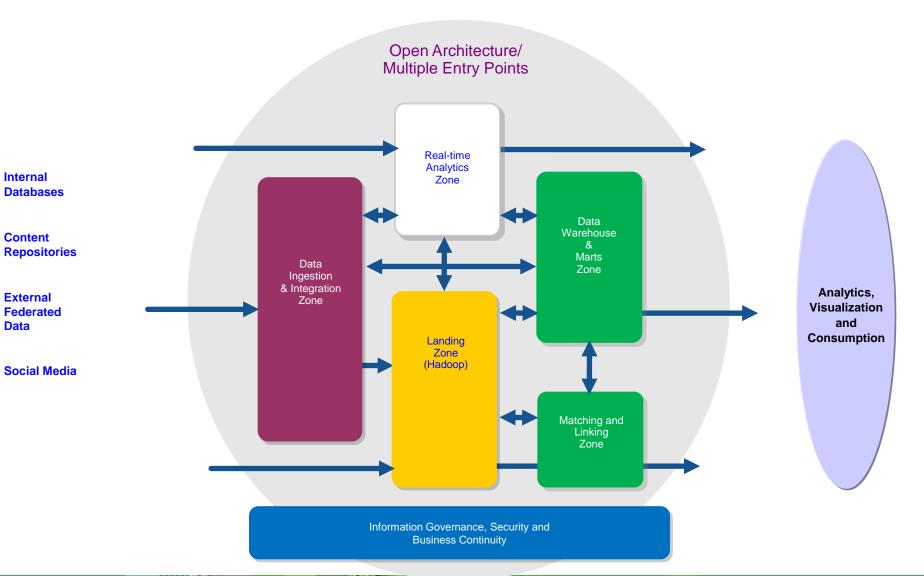
Scheduled Real-time



IBM Big Data Platform

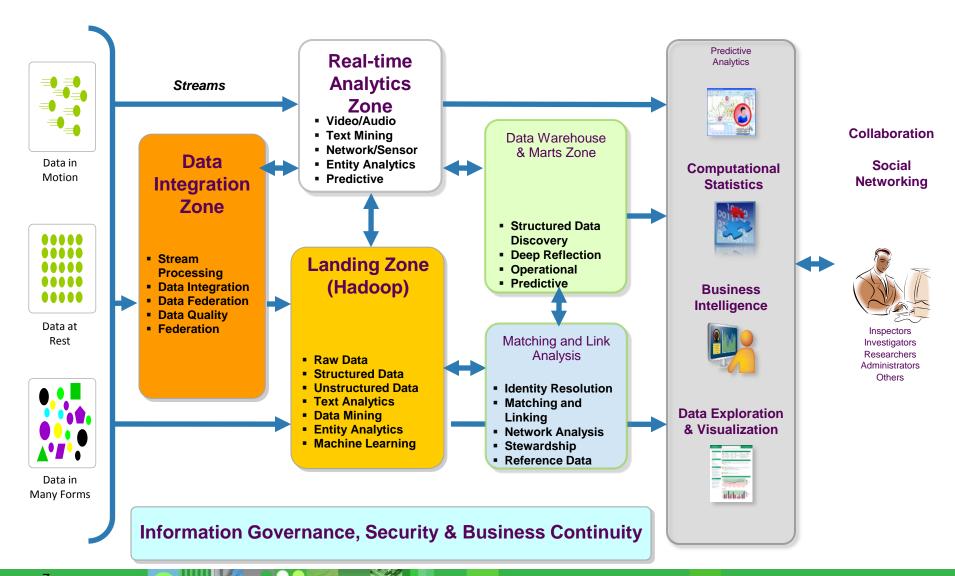


Next Generation Analytics Reference Architecture





Next Generation Architecture Zones





Next Generation Architecture Zones with IBM Products

Mapped InfoSphere Streams Predictive Real-time Analytics **PureData Analytics** Streams for Analytics Zone SPSS (Netezza) Video/Audio Modeler Collaboration Text Mining Data Warehouse Network/Sensor & Marts Zone Data Data in Entity Analytics Social Computational Motion Predictive **Networking** Integration **Statistics** Zone SPSS Structured Data **Statistics** 00000 Discovery 00000 Deep Reflection Stream **Landing Zone** 00000 Operational **Processing** 00000 (Hadoop) Predictive Data Integration **Business** 00000 **Data Federation** Intelligence Data Quality Data at Federation Inspectors Matching and Link Rest Investigators Cognos **Analysis** Researchers Raw Data Administrators Structured Data Others Information Unstructured Data Identity Resolution Server Text Analytics Matching and **Data Exploration** Data Mining Linking & Visualization **Entity Analytics** Network Analysis Machine Learning Stewardship Data Explorer, Refer MDM, InfoSphere BigInsights, i2 Analyst Notebook Data in **SPSS** SPSS nddead Many Forms Information Governance. Security & Business Continuity Optim. Guardium

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