

platforms like hadoop whereas others are dependent on vendor products that include big data analytic properties. As reported Cybersecurity Ventures, cyber security expenditure will exceed \$1 trillion from 2017 to 2021.

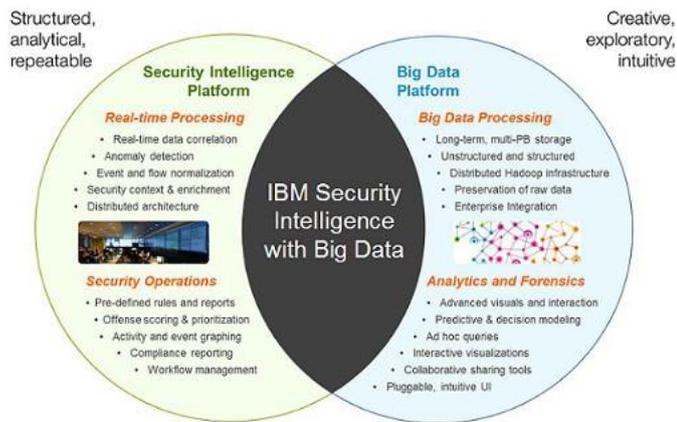


Fig-4: Intelligent Security

2.7. Job Trends

Due to increased demands there is need to bridge the talent gap in data analytics. Therefore, academic institutions are compiling degree programs in data science, boot camp style schools are providing training in marketable skills. According to an industry estimate data scientist will receive twice the remuneration received by a programmer. Also companies are more likely to appoint chief data officers (CDO).

DATA/DATABASE ADMINISTRATION (B)			
Big Data Engineer	\$129,500 - \$183,500	\$135,000 - \$196,000	5.8%
Database Manager	\$118,000 - \$170,500	\$122,250 - \$177,000	3.7%
Database Developer	\$103,250 - \$153,250	\$108,000 - \$161,500	5.1%
Database Administrator	\$ 95,750 - \$142,750	\$ 98,500 - \$148,500	3.6%
Data Analyst/Report Writer	\$ 74,500 - \$114,500	\$ 77,500 - \$118,750	3.8%
Data Architect	\$127,250 - \$175,500	\$131,250 - \$184,000	4.1%
Data Modeler	\$106,750 - \$155,500	\$111,000 - \$161,500	3.9%
Data Scientist	\$109,000 - \$153,750	\$116,000 - \$163,500	6.4%
Data Warehouse Manager	\$123,750 - \$172,000	\$129,000 - \$179,000	4.1%
Data Warehouse Analyst	\$105,000 - \$152,000	\$107,500 - \$155,750	2.4%
Business Intelligence Analyst	\$113,750 - \$164,000	\$118,000 - \$171,750	4.3%
Electronic Data Interchange (EDI) Specialist	\$ 76,500 - \$115,500	\$ 77,500 - \$118,750	2.2%
Portal Administrator	\$ 94,000 - \$134,250	\$ 96,000 - \$138,750	2.8%

Fig-5 Predicted Salaries

3. CONCLUSION

Gartner predicts that by 2020 big data and Internet of Things will be used to reinvent, digitize and eliminate 80% of business processes. Therefore, the impact that big data will have on various businesses cannot be overlooked. To truly uncover the power of big data, organizations must identify how to use their data to build reporting and analytics for

their operations. Studying all the latest leading big market analysis and research, it can be assumed that 15% of IT organizations will move to cloud based service platforms and service market is anticipated to rise about 35% by 2021. Summarizing, Peter Sondergaard, Senior Vice President of Gartner Research famously stated, — "Information is the oil of the 21st century and analytics is the combustion engine" ..

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