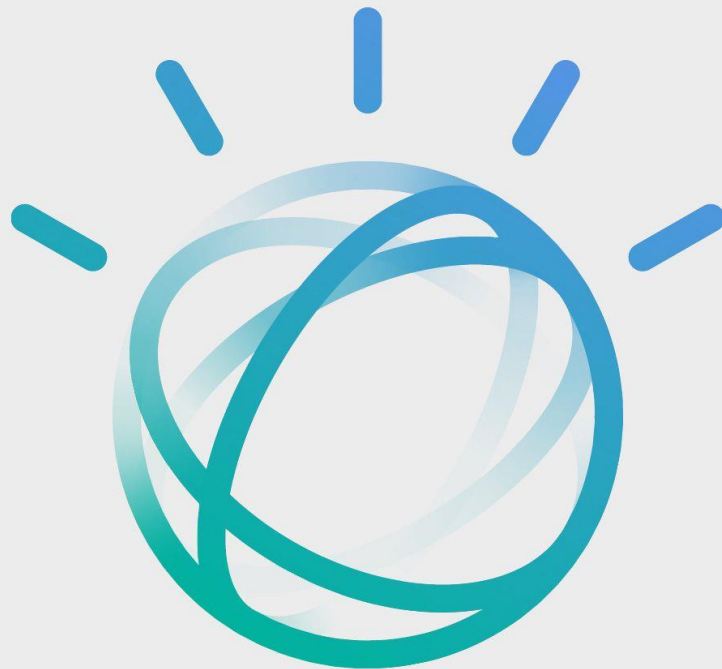


# UMELÁ INTELIGENCIA ZBAVENÁ MÝTOV

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# Prečo umelá inteligencia, a prečo teraz?



- Dostupnosť potrebného **VÝPOČTOVÉHO VÝKONU**
- Exponenciálny rast objemu **DÁT**
- Dostupnosť **ŠPECIÁLNYCH SOFTWÉROVÝCH NÁSTROJOV**
- Rozvoj v oblasti potrebných **ZRUČNOSTÍ A ZNALOSTÍ**

In more than two-thirds of our use cases, artificial intelligence (AI) can improve performance beyond that provided by other analytics techniques.

Breakdown of use cases by applicable techniques, %

Full value can be captured using non-AI techniques

15

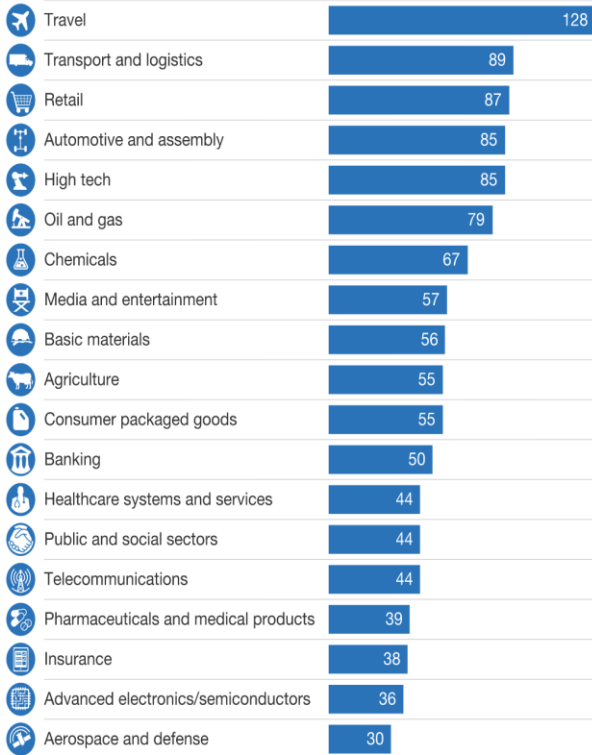
AI necessary to capture value ("greenfield")

16

AI can improve performance over that provided by other analytics techniques

69

Potential incremental value from AI over other analytics techniques, %



Customer Retention



Credit Risk Scoring



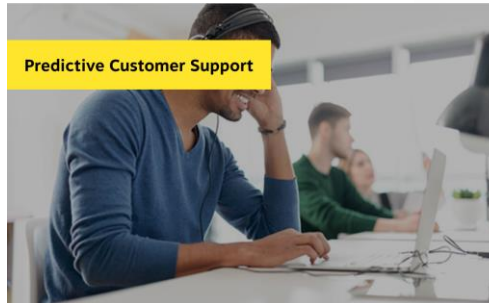
Fraud Detection



Anomaly Detection



Predictive Customer Support



Customer Churn Prediction



# IBM platforma pre vývoj aplikácii v oblasti umelej inteligencie



IBM Garage

H<sub>2</sub>O.ai

PowerAI Vision

## IBM Watson Machine Learning Accelerator

Deep Learning Frameworks & Enhancements	TensorFlow	Caffe	IBM Caffe	PYTORCH
	Keras	IBM Power Systems Large Model Support	AI Vision Tools	Watson APIs
Supporting Capabilities And Libraries	IBM Research Distributed Deep Learning	IBM Research AI Vision Runtime	IBM Spectrum Conductor	NVIDIA NCCL
	NVIDIA DIGITS	OpenBLAS	Bazel	
IBM Services And Support	IBM Entire Stack Support	IBM Research Pioneering AI Research	COGNITIVE CLASS	IBM Power Systems Optimization and testing

### IBM Power Accelerated Servers: Ideal for Watson Machine Learning

IBM Power AC922	Acceleration Superhighway	Designed for The AI era	Enterprise Grade	POWER9 Performance
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Technology stack	Layer	Source of value in artificial intelligence
Services	Solution and use case	40-50%
Training	Data	0-10%
	Methods	
Platform	Architecture	0%
	Framework	
	Algorithm	
Interface		0%
Hardware	Head node	40-50%
	Accelerator (training and inference)	

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The IBM logo is centered on the page. It consists of the letters 'IBM' in a bold, black, sans-serif font. Each letter is composed of eight horizontal stripes of varying lengths, creating a striped effect. The background of the page is white with a faint, light gray network of nodes and lines, resembling a molecular or data network structure, which is more prominent on the right side.A smaller version of the IBM logo is located in the bottom left corner. It features the same striped 'IBM' text as the larger logo, but is smaller in scale. The background network pattern is also visible here.