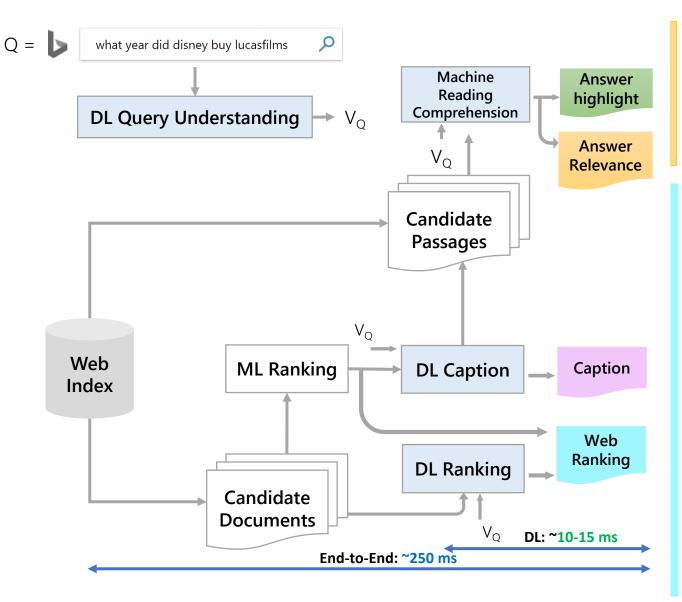
Web Search Powered by Deep Learning



When did Disney buy Lucasfilm?

Disney acquired Lucasfilm in October **2012** for \$2.2 billion in cash and \$1.855 billion in stock; since then, it has become the holding company for the Star Wars franchise. Lucasfilm Ltd. Sep 15 2019

Lucasfilm - Wikipedia

https://en.wikipedia.org/wiki/Lucasfilm •

Overview	History	Filmography
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Lucasfilm Ltd. LLC is an American film and television production company that is a subsidiary of The Walt Disney Studios, a division of The Walt Disney Company. The studio is best known for creating and producing the Star Wars and Indiana Jones franchises, as well as its leadership in developing special effects, sound and computer animation for film. Lucasfilm was founded by filmmaker George Lucas in 1971 in San Rafael, California; most of the company's operations were moved to San Francisco in

See more on en.wikipedia.org · Text under CC-BY-SA license

Industry: Film Products: Motion pictures, Television
Founded: December 10, 1971; 47 years ago Number of employees: 2,000 (2015)

Disney buys Lucasfilm for \$4 billion - USA TODAY

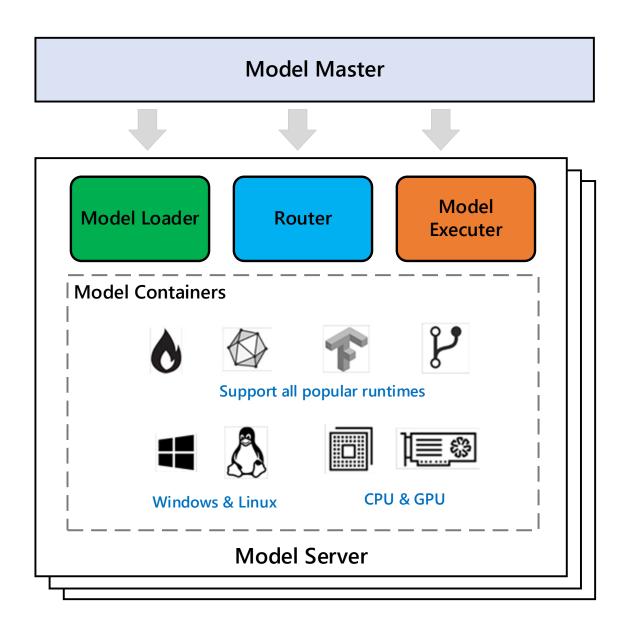
https://www.usatoday.com/story/money/business/2012/10/30/disney-star-wars-lucasfilm/... ▼ Oct 30, 2012 · Luke Skywalker and Han Solo are joining Mickey Mouse, Buzz Lightyear and Iron Man in Disney's roster of heroes. Disney is buying Lucasfilm for ...

Six years after buying Lucasfilm, Disney has recouped its ...

https://www.cnbc.com/2018/10/30/six-years-after-buying-lucasfilm-disney-has-recouped... ▼ Oct 30, 2018 · Six years ago, Disney bought Lucasfilm for \$4.05 billion. The four Star Wars feature films Disney has released since 2015 have grossed more than \$4.8 billion at the box office.

Author: Sarah Whitten

Deep Learning Inference as a Microservice



Single digit millisecond inference

Millions of DL model inferences per second

Hundreds of models on various deep leaning

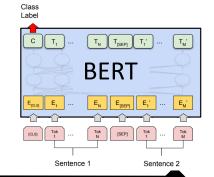
frameworks

Tens of thousands of servers with CPU/GPU

Forty data centers worldwide

New model deployment in minutes

Model Optimization



307ms

Original Model on TF CPU:

System Optimization

Original Model on DeepCPU:

Model Optimization

Distilled Model on DeepCPU:

System Optimization

Distilled Model on DeepGPU:

66ms

System Optimization:

Operator fusion, parallel execution, and half precision Same accuracy

Model Distillation:

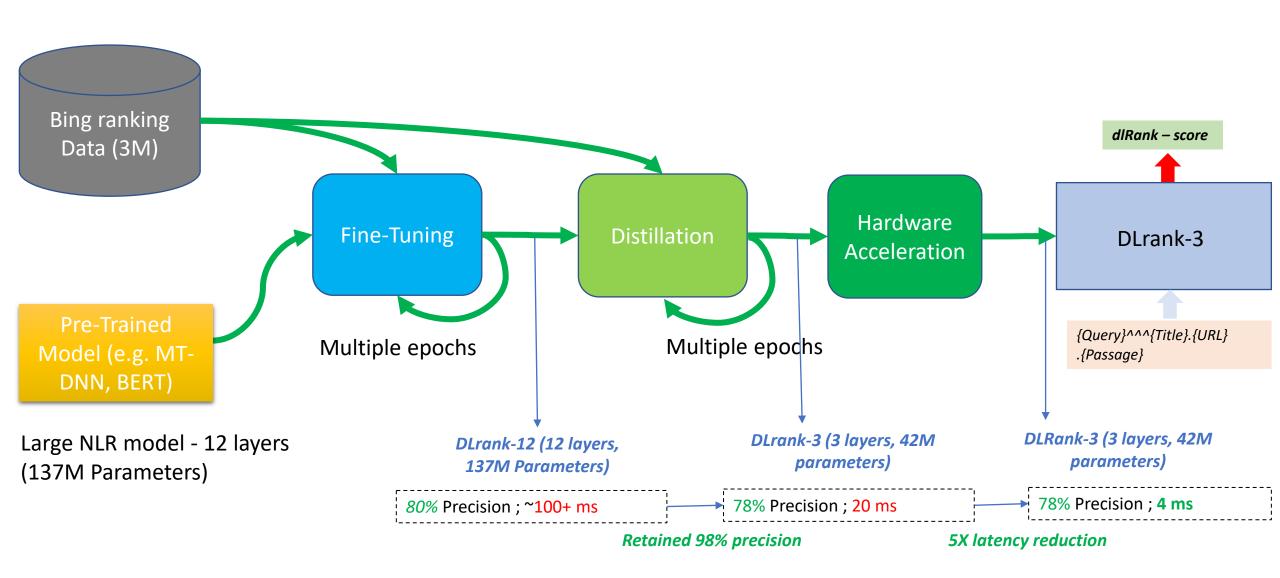
12 layer, 137M parameter -> 3 layer, 42M parameter, Retained 98% precision

• •		
6ms		
Batch	Size	64

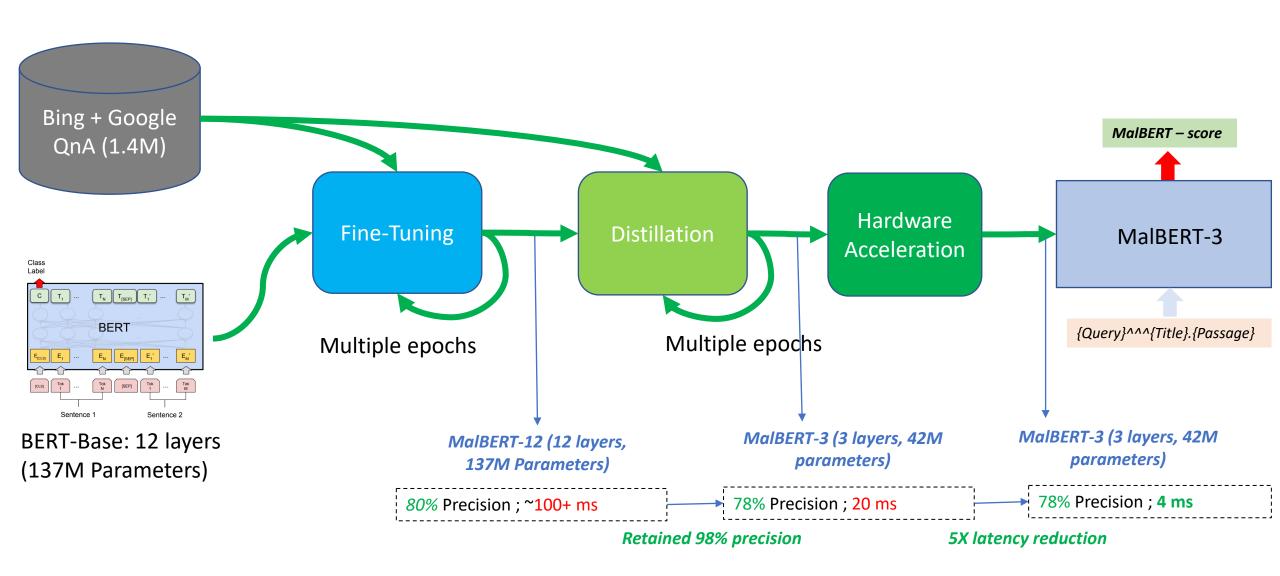
22ms

Inferences per second worldwide	0.5M
# of GPUs	2000+
Flops per inference	6.4 Gflops
Sequence Length	128
Vocabulary size	120k ₃

DL Ranking: Case-Study: shipping a deep model takes a village.



MalBERT: Technique Overview



LiBERTi: Technique Overview

