Project Report

CS 453: Project 4

Distributed Query Processing

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Abstract

1 Overview

2 Interface

2.1 Query Input

2.2 Result Output

3 Distributed Evaluation

3.1 Distributer

3.2 Index Server

3.3 Merge Results

4 Index Compression

5 Reterival Model

6 Roles

Larry Bowers User interface and query parser

James Bradwell User interface and query parser

Evan Dickinson Huffman encoding/decoding

Bhadresh Patel Distributed processing

Lewis Pearson Reterival model

7 Test Environment

8 Usage Guide

Interface: Input Query

Query Parser

Distributor

Director

Compressed Index

PageRank

Huffman Decode

Retrieval Model
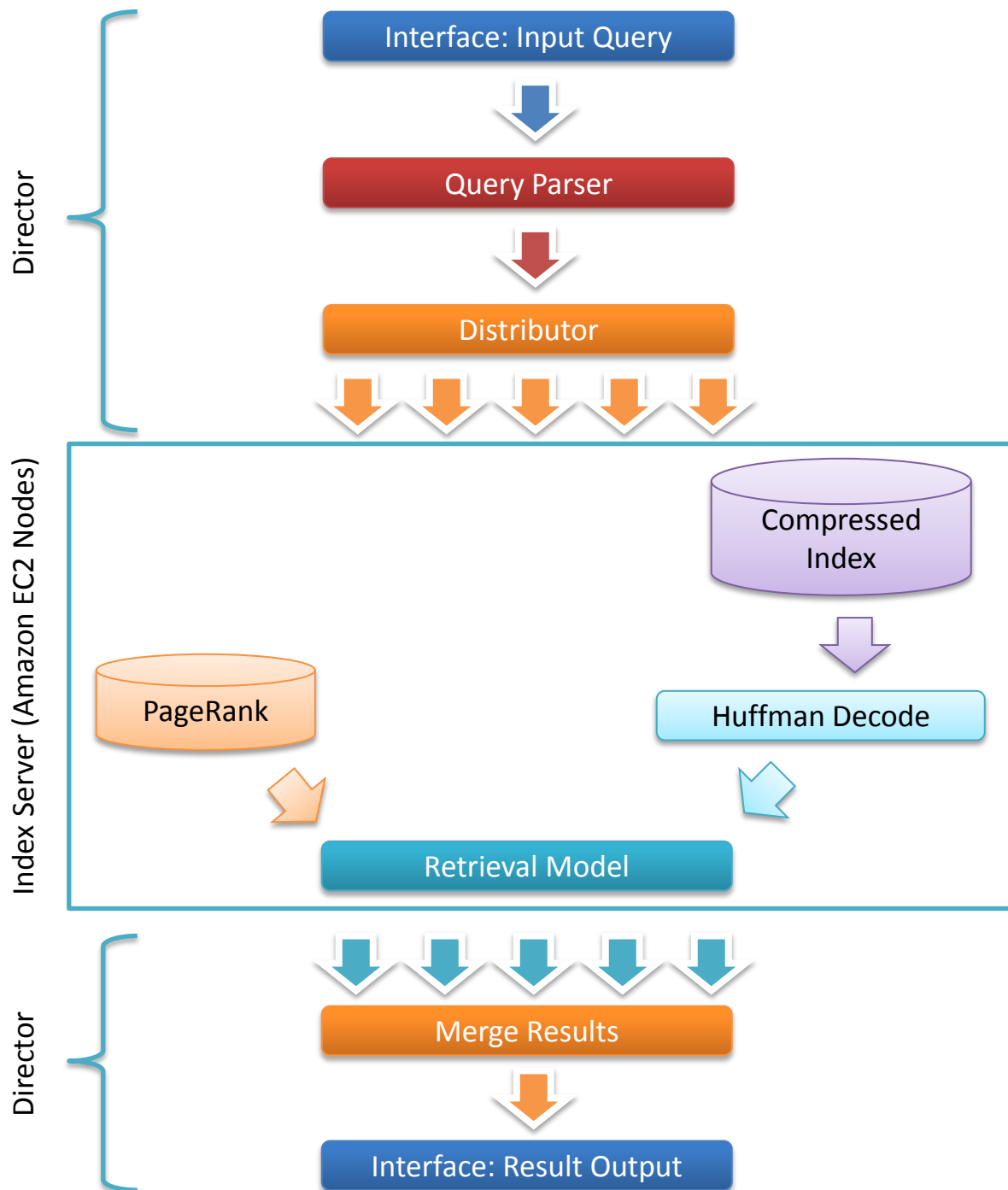
Index Server (Amazon EC2 Nodes)

Merge Results

Interface: Result Output

Director

Figure 1: Architecture Overview