

# Presentation outline

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May 25th

## **HB+Trie**

### **Motivations**

- Variable-Length size keys
- Disadvantage in comparison with B+ trees

### **Overview**

- Key space divided into buckets
- Fixed size chunking of the key
- Create a new B+ tree at every chunk
- Append only disk layout
- Write buffer index

### **Implementation**

### **Performance**

- Better than B+ tree with variable size keys

### **Possible improvements**

- Avoid trie skew with a another type of B+ tree => Leaf B+ tree extension
- Bad Range scan performance

### **Discussion/Q&A**