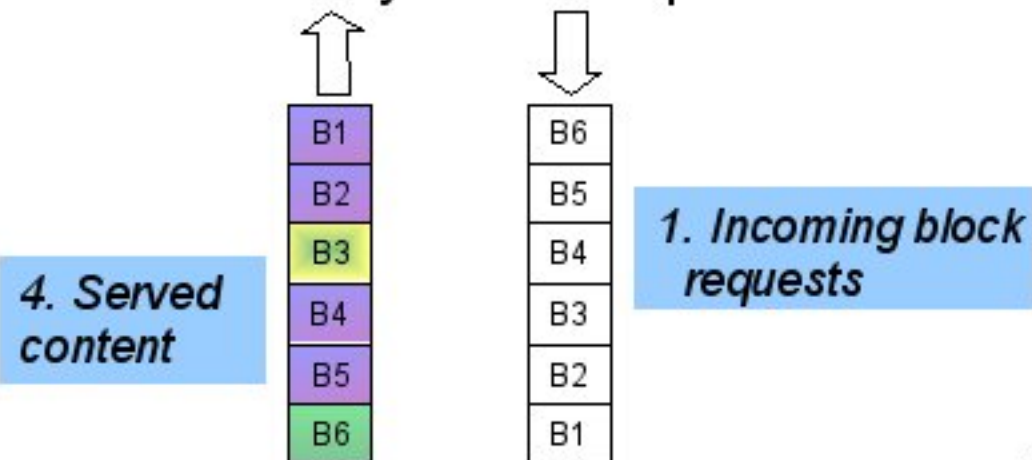
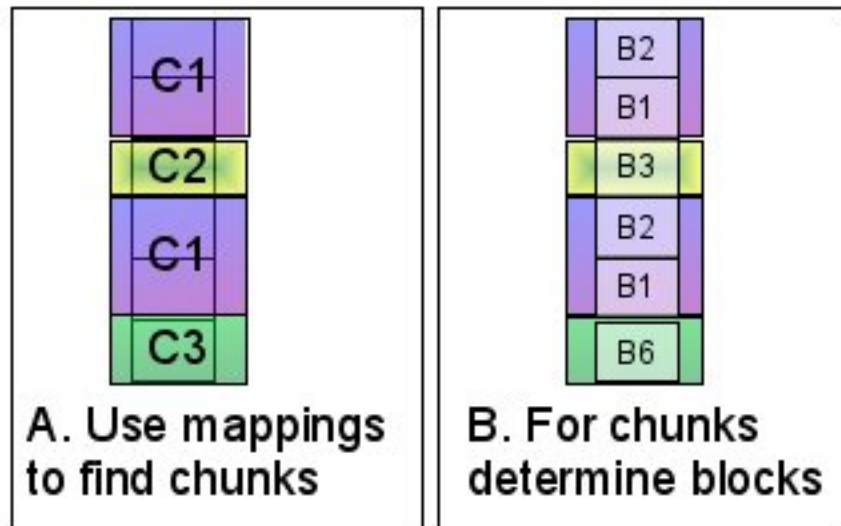


## I/O activity across multiple VMs

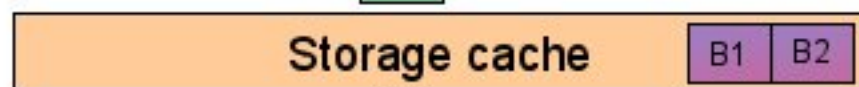
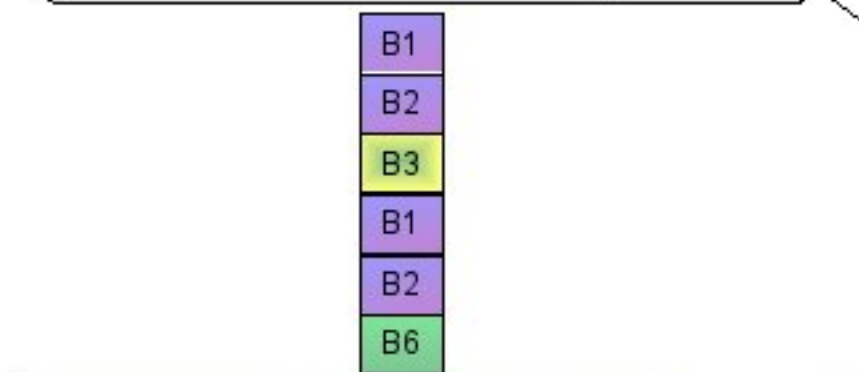


OFFLINE: Meta-data built regarding de-duplicated chunks



2. Duplicate content identification

**PROVIDED**



Implicit content-based cache  
Popular content  
=> popular chunks  
=> popular blocks