

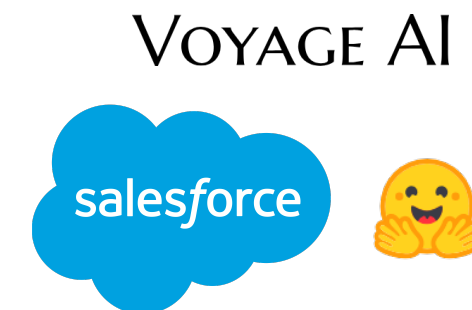
**CVE
Description**

**All
Commits**

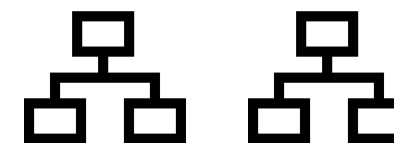
Top-10K Commits



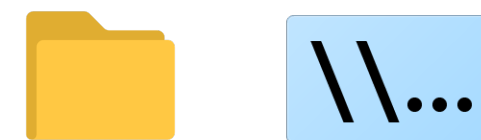
**Commit
Embedding**



**Hierarchical
Commit
Embedding**



**Path
Embedding**



Final Score



Input: Query and
candidates

Pre-Ranking

Feature Processing

Re-Ranking