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(57) Abstract :
The present invention discloses a system (100) for efficiently searching for strings in files using a fuzzy search strategy. The system includes a processor configured to receive a string input from an input unit, where the string represents a set of characters. Utilizing a fuzzy search technique, the system applies search algorithms that facilitate approximate matching to locate text patterns that approximately match the input string. This technique proves especially beneficial when the text pattern precedes a cursor and ends with a predefined trigger sequence. Furthermore, the system generates fuzzy completions for process IDs (PIDs) in the kill command and hostnames in ssh and telnet commands. The system effectively displays search results on a display unit, allowing users to interact with the presented output. By providing an intuitive and efficient solution, the disclosed system and method greatly enhance the process of searching for strings in files across various domains.

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