



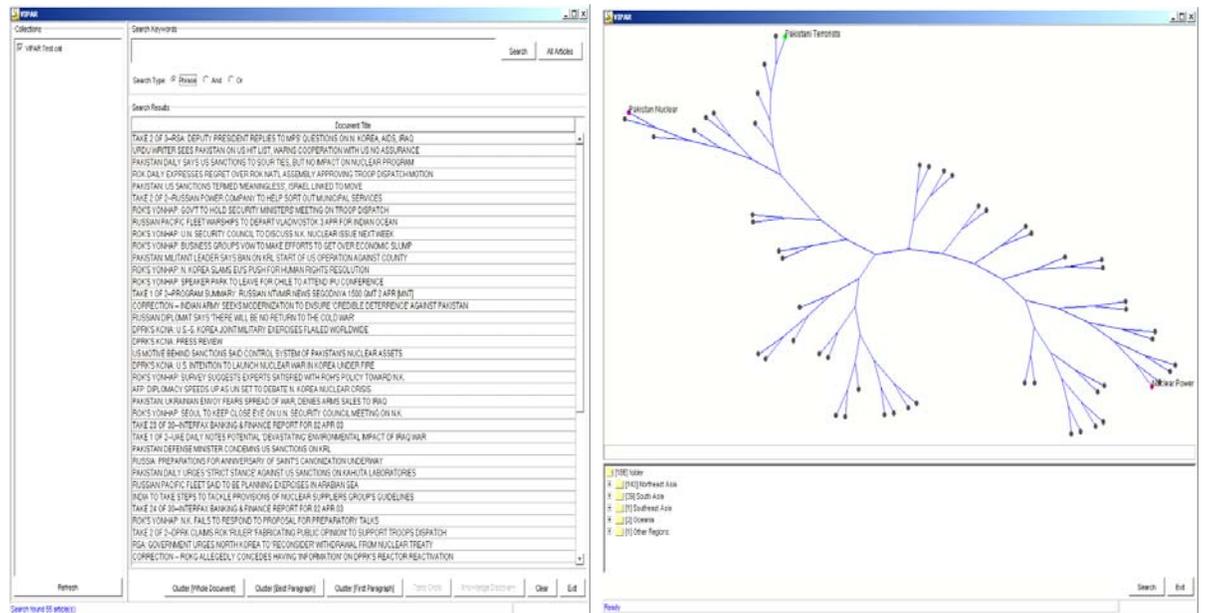
VIPAR

Virtual Information Processing Agent Research

US Pacific Command’s commander-in-chief Admiral Blair calls VIPAR “A tremendously successful project” where “Software agents ... lead to substantially improved analytical products.” The USPACOM Science and Technology Advisor calls VIPAR “a grand slam home run!” the “first time we've seen information discovery and knowledge management software working at HQ USCINCPAC operationally.”

VIPAR collects, organizes and displays information from various electronic information sources. It can be used by the military, intelligence and business communities to provide timely, coherent information summaries of world news and intelligence from web-based sources. VIPAR differs from other software or search engines in that it interrogates each source according to user-defined rules and clusters information according to content similarity. This means it can be useful in evaluating possible terrorist threats or other issues related to national security. The original software was developed from a need for modeling on-demand manufacturing techniques.

In VIPAR, intelligent software agents have been successfully developed to address challenges facing the military and intelligence community in quickly gathering and organizing massive amounts of information then distill that information into a form directly and explicitly amenable for use by an analyst. VIPAR has been successfully deployed for the US Pacific Command and the US Sixth Fleet. This system leverages an analyst’s expertise to process and distill information orders of magnitude faster and more thoroughly than could be done by the analysts themselves.



The figure shows two VIPAR screen shots. The first is the searchable list of documents, the second is a cluster of these documents. This cluster helps an analyst quickly find information that is of interest.

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