

1. Record Nr.	UNINA9910141205303321
Titolo	2011 International Workshop on the Maintenance and Evolution of Service-Oriented and Cloud-Based Systems
Pubbl/distr/stampa	[Place of publication not identified], : IEEE, 2011
ISBN	9781457706479 1457706474 9781457706462 1457706466
Descrizione fisica	1 online resource
Disciplina	006.76
Soggetti	Web services
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	To ensure that consumer requests for web services are served successfully and effectively amidst overwhelming options, one must narrow the web service search to only the most qualified, highest-ranked services. However, today, the ranking of services is done only with regards to static attributes or with a snapshot of current values, resulting in low quality search results. To improve user experience, one must consider dynamic quality of service measures and address the practical challenges they incur. In this paper, we propose using histograms and an area-to-right-of-threshold function to handle the fluctuation and absence of attributes values effectively. This permits utilizing well-established techniques for selecting web services, such as skyline and top-k. We also discuss algorithmic considerations to efficiently produce dynamic web service discovery results.