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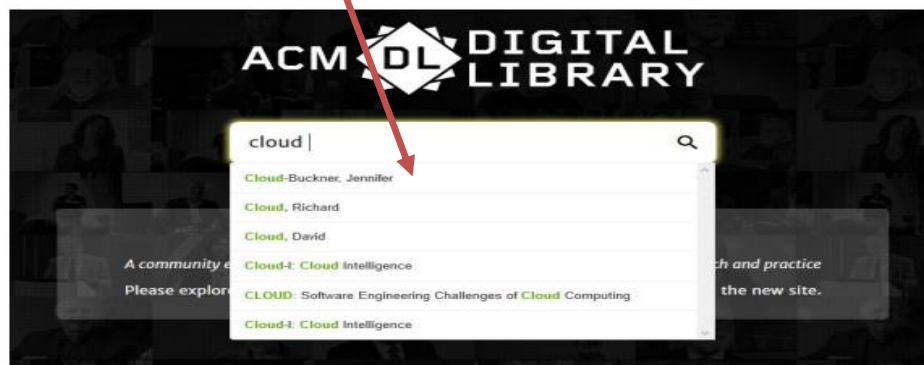
• Getting Started with Your Search

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ACM DL: Basic Search

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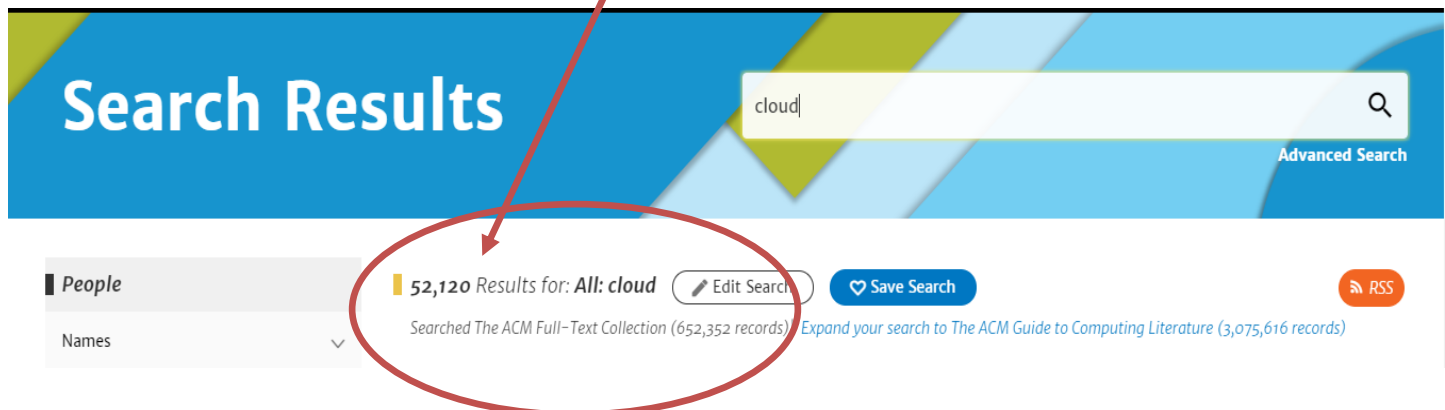• The Basic Search box is found at the top of the DL home page:

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Search

Advanced Search

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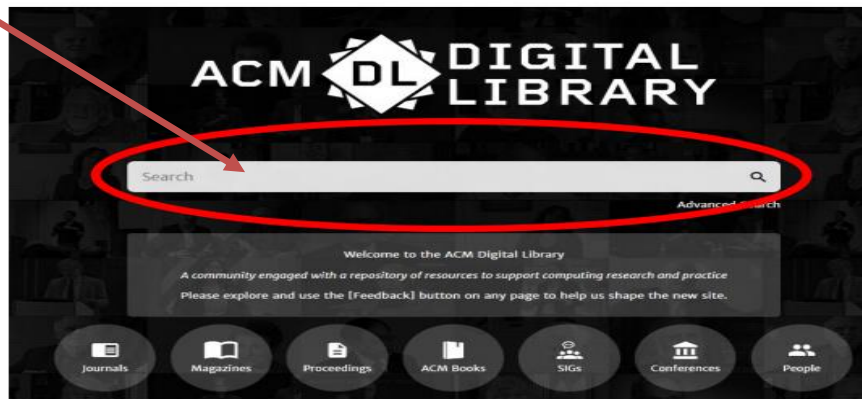
• The Basic Search provides instant suggestions as you type:

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cloud

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Cloud, Richard
Cloud, David
Cloud-I: Cloud Intelligence
CLOUD: Software Engineering Challenges of Cloud Computing
Cloud-I: Cloud Intelligence

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cloud

Advanced Search

People

Names

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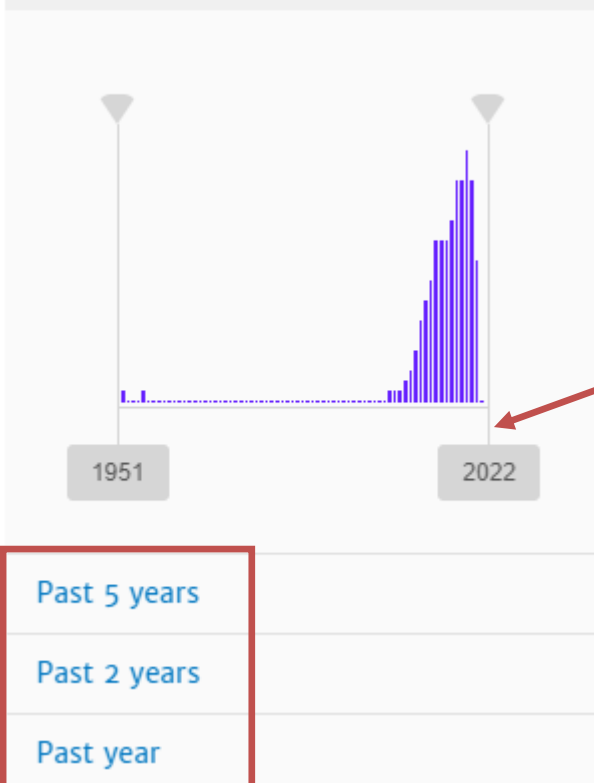- **Use quotes (" ") for an exact phrase.**

Publications

Journal/Magazine Names	⌄
Proceedings/Book Names	⌄
All Publications	⌄
Content Type	⌄
Media Formats	⌄
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Publisher	⌄

People

Names	⌄
Institutions	⌄
Authors	⌄
Editors	⌄
Advisors	⌄
Reviewers	⌄

Publication Date

1951 — 2022

Past 5 years

Past 2 years

Past year

Use drop- down menus to show:

People, Publication Type, Pub. Year & Contents Type

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1 / 12   —   100%   +   ⊡   ⟳   ⬇

Cloud Security Certifications: A Comparison to Improve Cloud Service Provider Security

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ABSTRACT

The great diffusion of cloud computing applications and services in the last years has brought new threats to security of information. ¹ IT Certification and authorization mechanisms try to provide assurance against those threats by leveraging high security standards and controls. Two examples of such certification based on IT security controls are ISO/IEC 27001 and FedRAMP. While these two certifications largely share their scope it is important to note that ISO is a standardization adopted worldwide since 2005 whereas FedRAMP was developed in 2012 specifically for US Government Cloud Service Providers. New frameworks, however, are not always more effective than earlier ones, especially in the fast-moving world of cloud computing where IT security standards need to be constantly updated.

1 INTRODUCTION

Cloud security has become a serious concern in recent years. Governments, as well as the IT industry, have devoted considerable effort and resources to fighting against cyber-threats[2]. Not only does the study of cyber-threats have important budgetary consequences and possibilities for creating new countermeasures, but it also has a strong impact on security standards since security controls largely depend on the characteristics of threats.

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ACM DL Advanced Search

Advanced search options:

- The Advanced Search is right below the Basic Search box:

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Advanced Search

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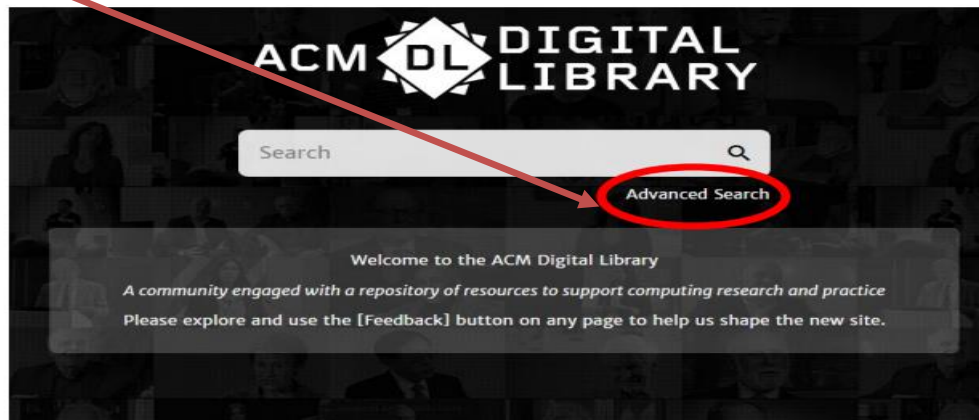
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- User may search for words contained in article citation or other associated metadata.

- User may then add additional content filters such as for terms related to article supplemental materials, general computing subject area, publisher and more.

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