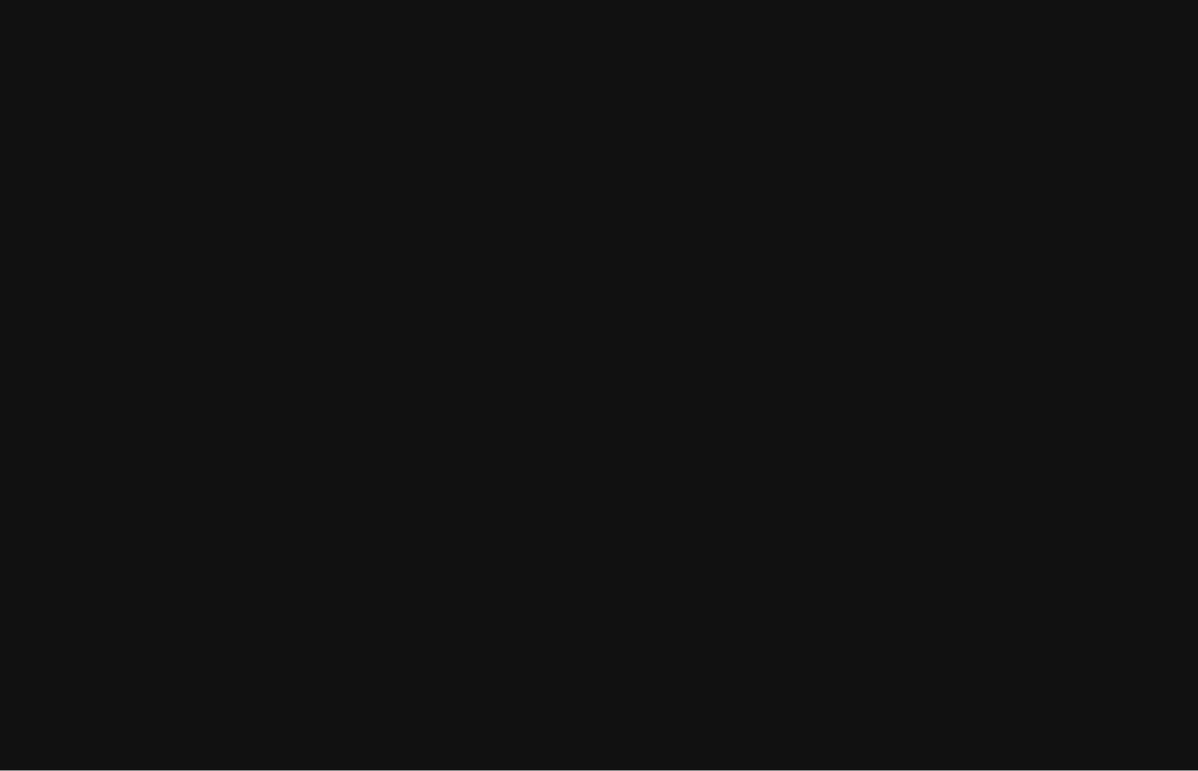
Streamlining DevEx The Power of CI/CD Standardization and Interoperability









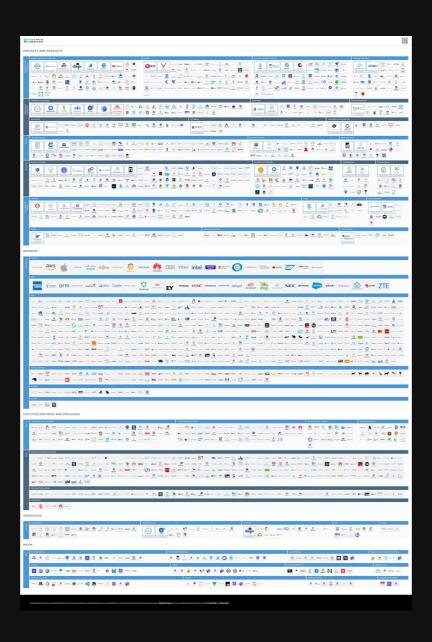
Grey Newell@GreyNewell

This idea is absolutely transgressive. Heretical even.

I'm fascinated. Really hope they post a recording, Jeremy.

8:14 PM · Dec 19, 2023 · 6 Views

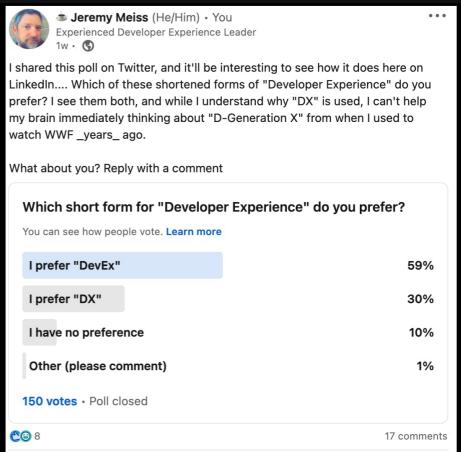
Image: @GreyNewell on Twitter



REF: CNCF Landscape, 29-Jan-2024

Developer Experience





52% of respondents said "DevEx" (34% "DX")

Jeremy Meiss

Co-Founder, DevEx Consultant

DevEx Institute

https://DevEx.Institute

DevOpsDays Kansas City Organizer



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Speaker Dinner









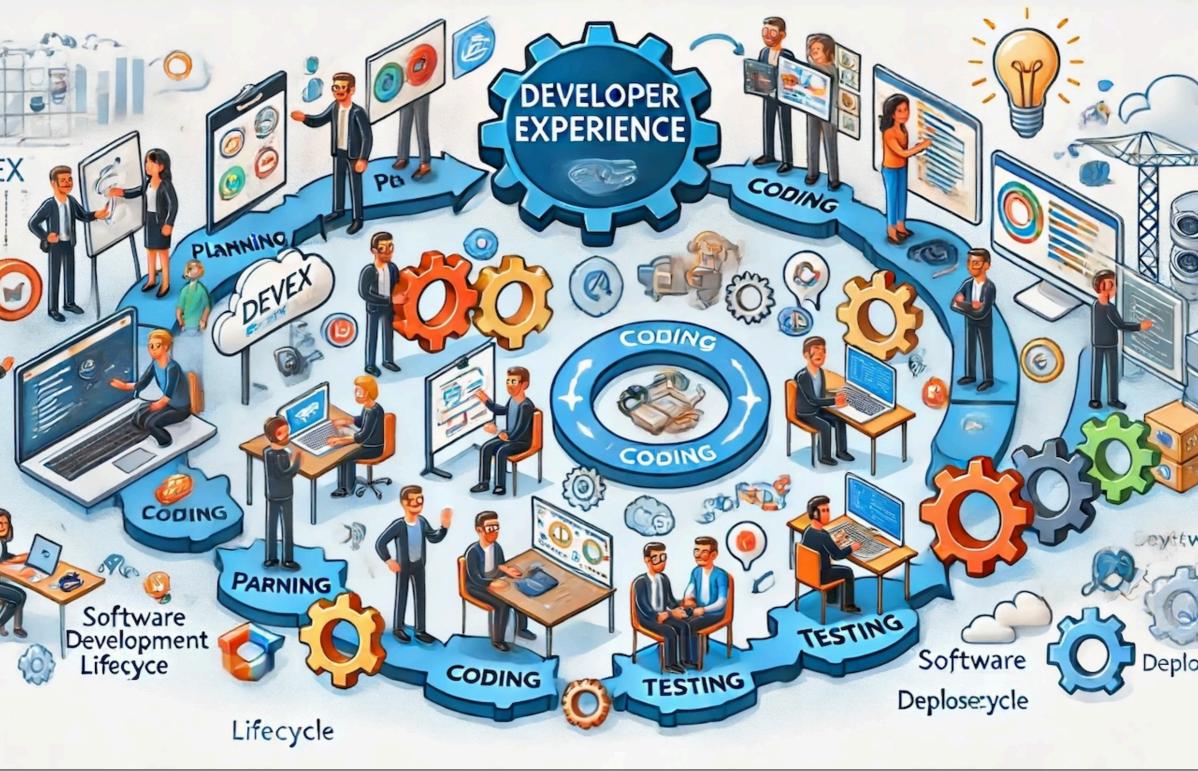
Friends of KCDC











DevEx isn't new



arXiv > cs > arXiv:1312.1452

Computer Science > Software Engineering

[Submitted on 5 Dec 2013]

Developer Experience: Concept and Definition

Fabian Fagerholm, Jürgen Münch

New ways of working such as globally distributed development or the integration of self-motivated external developers into software ecosystems will require a better and more comprehensive understanding of developers' feelings, perceptions, motivations and identification with their tasks in their respective project environments. User experience is a concept that captures how persons feel about products, systems and services. It evolved from disciplines such as interaction design and usability to a much richer scope that includes feelings, motivations, and satisfaction. Similarly, developer experience could be defined as a means for capturing how developers think and feel about their activities within their working environments, with the assumption that an improvement of the developer experience has positive impacts on characteristics such as sustained team and project performance. This article motivates the importance of developer experience, sketches related approaches from other domains, proposes a definition of developer experience that is derived from similar concepts in other domains, describes an ongoing empirical study to better understand developer experience, and finally gives an outlook on planned future research

Comments: 5 pages. The final publication is available at this http URL

Subjects: Software Engineering (cs.SE)
Cite as: arXiv:1312.1452 [cs.SE]

(or arXiv:1312.1452v1 [cs.SE] for this version) https://doi.org/10.48550/arXiv.1312.1452

Journal reference: Proceedings of the International Conference on Software and System Process (ICSSP 2012), pages 73-77,

Zurich, Switzerland, June 2-3 2012

REF: F. Fagerholm and J. Münch, "Developer experience: Concept and definition," 2012 International Conference on Software and System Process (ICSSP), Zurich, Switzerland, 2012.

DevEx isn't new

"New ways of working such as globally distributed development or the integration of self-motivated external developers into software ecosystems will require a better and more comprehensive understanding of developers' feelings, perceptions, motivations and identification with their tasks in their respective project environments.""

REF: F. Fagerholm and J. Münch, "Developer experience: Concept and definition," 2012 International Conference on Software and System Process (ICSSP), Zurich, Switzerland, 2012.

DevEx isn't new

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REF: F. Fagerholm and J. Münch, "Developer experience: Concept and definition," 2012 International Conference on Software and System Process (ICSSP), Zurich, Switzerland, 2012.

Point of clarification

- "DevEx" by default focuses on "developer"
- View "DevEx" as a whole of the lifecycle



Cloud-based EVOLUTION OF THE IDE 2018 2024 **Feature & Usability Enhancements** 2015 2010 phpanywhere 1999 2008 (eclipse 1999 2001 Lightweight + **FrontPage** Configurable **Early Text** Delphi 1995 WebMagic 1995 **Editors** Web and the 1990s 1976 1991 Turbo Pascal 1983 1989 1986 **Native IDEs** @IAmJerdog

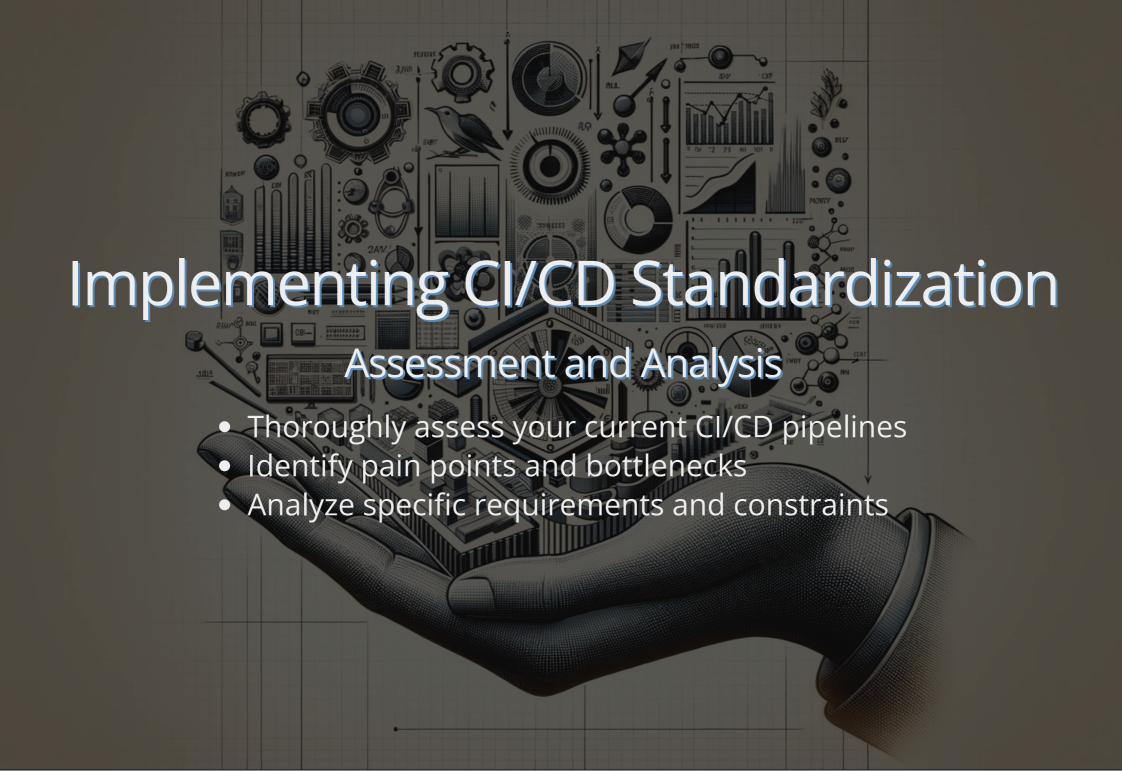






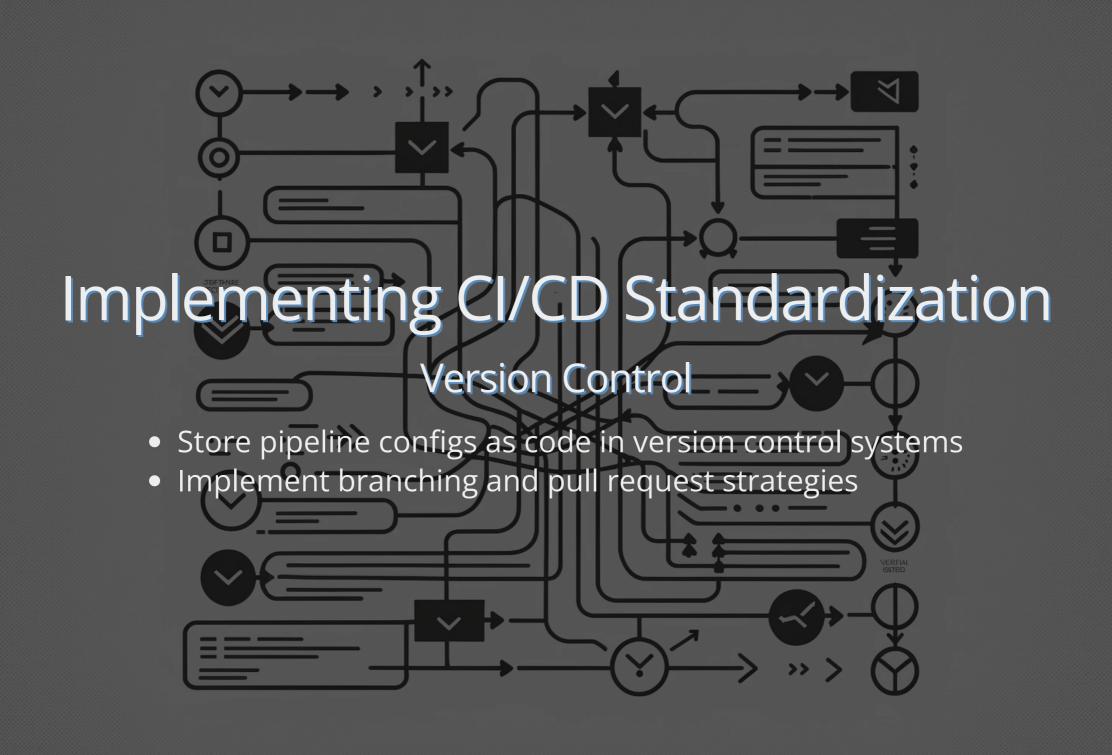


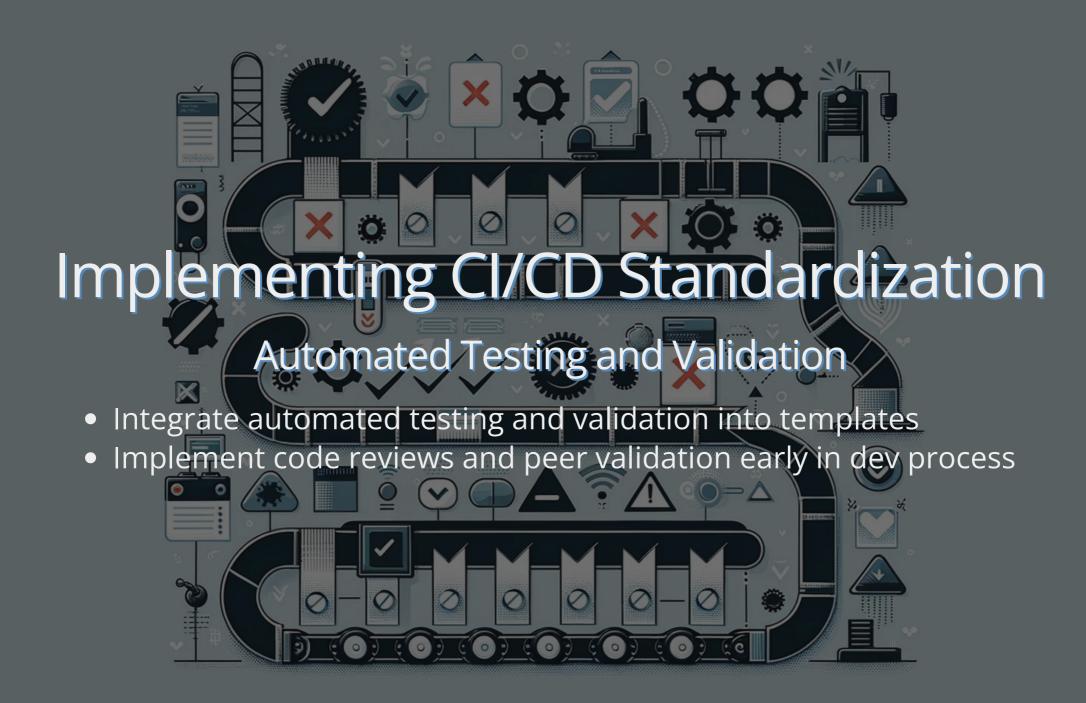






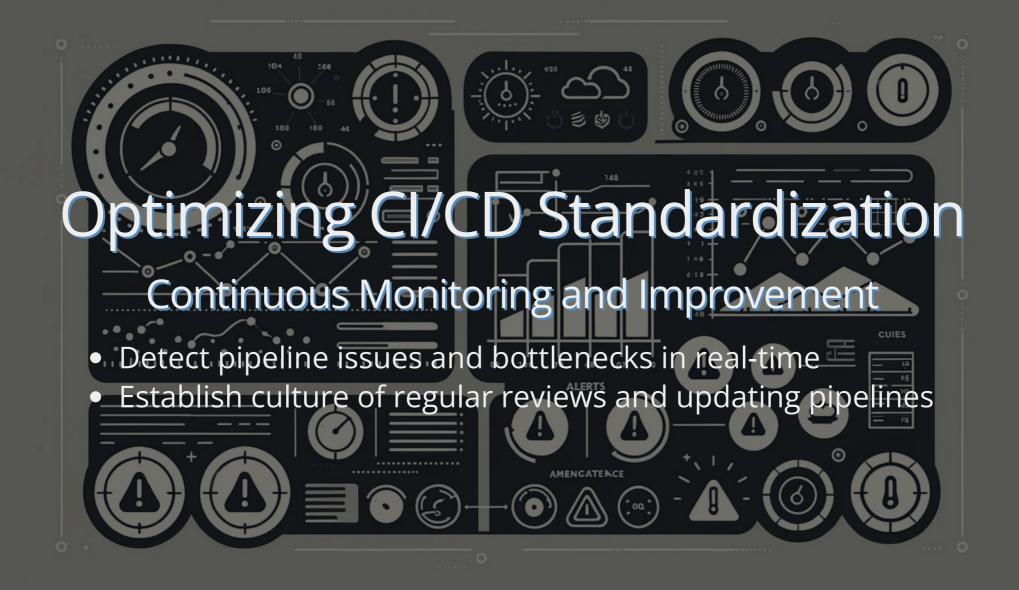










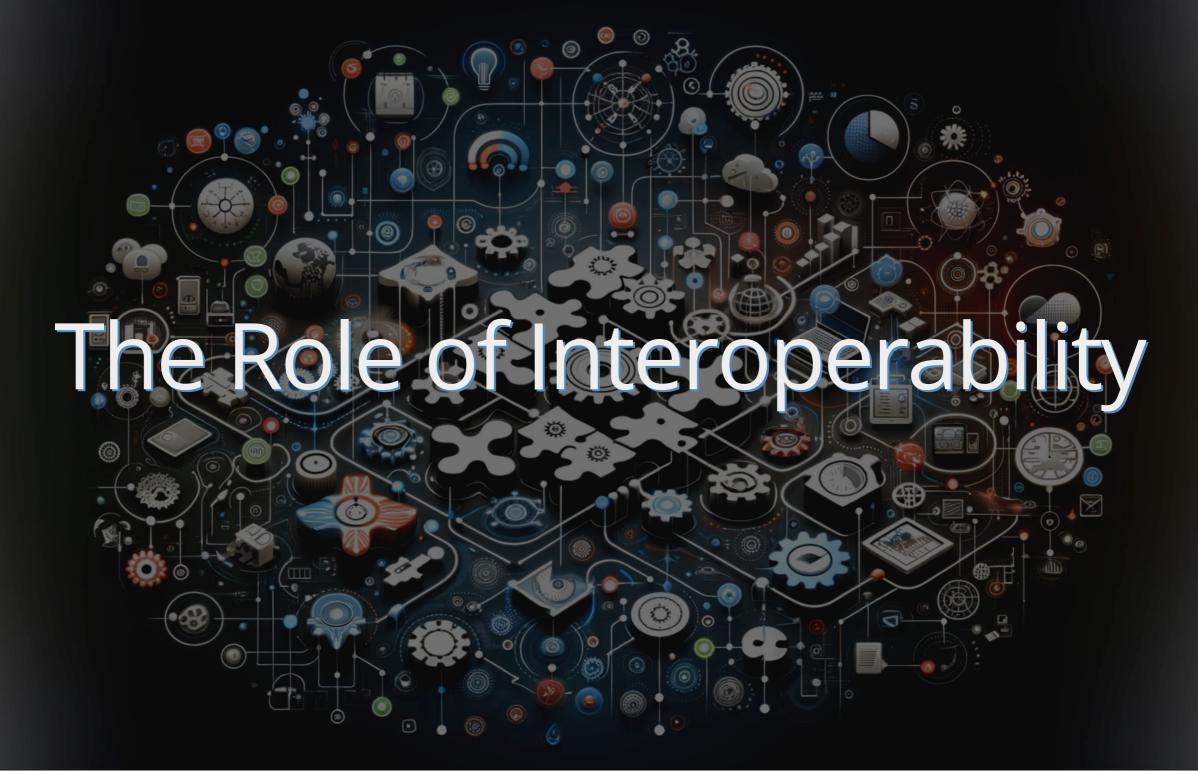










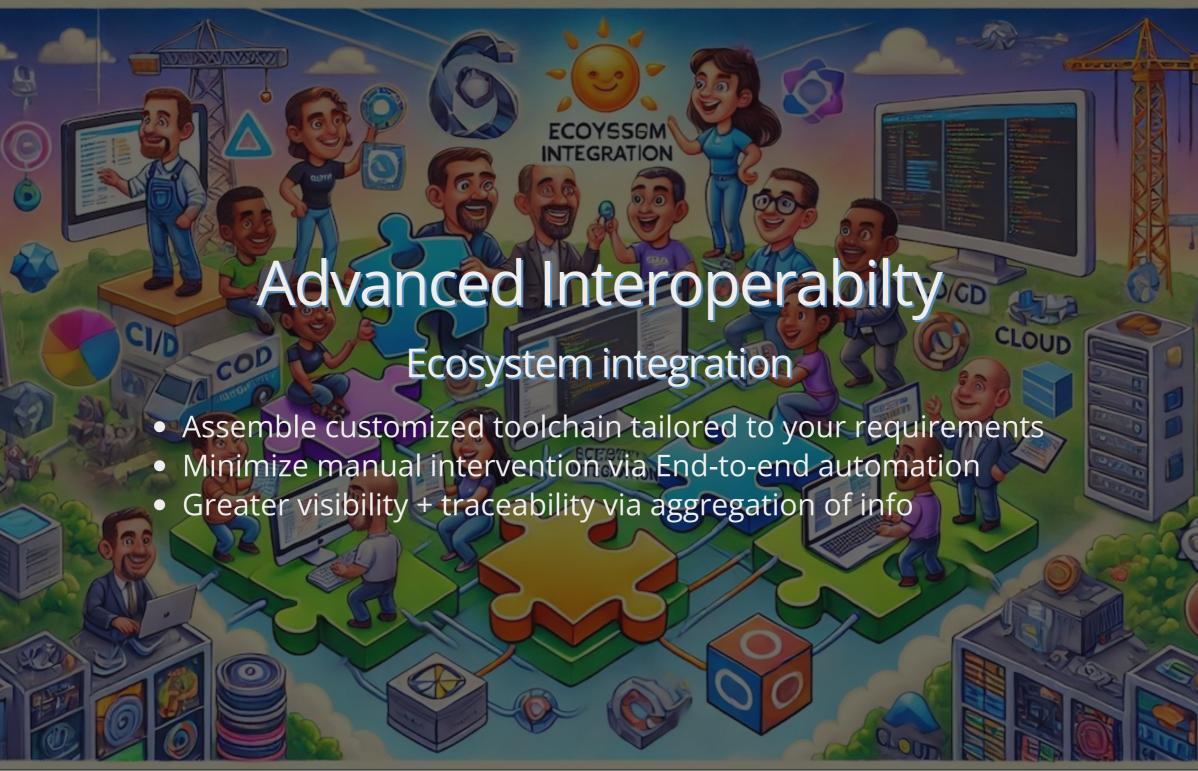






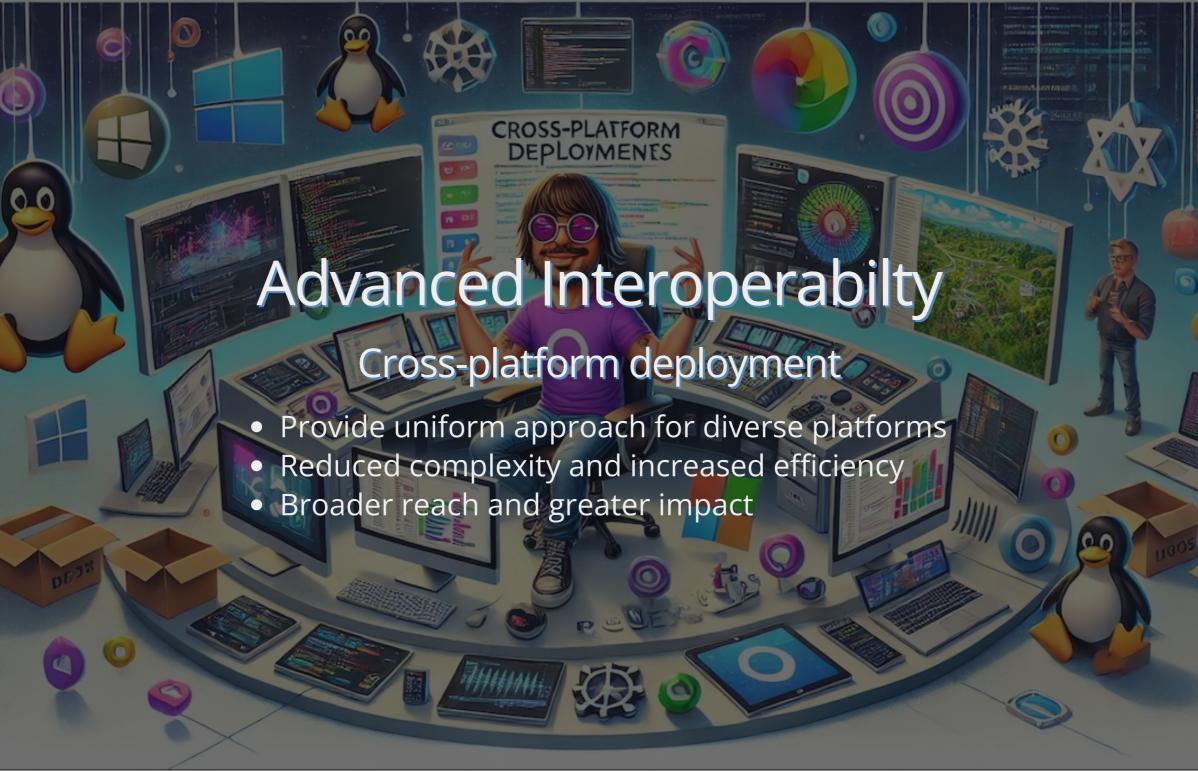






















Challenges

Remedy

Diverse Toolsets & Ecosystems

Data formats and schema differences

Authentication and Authorization

Versioning and compatibility testing

Prioritize critical dependendencies, objectives

Implement unified data formats

Standardize methods, integrate governance

Clear versioning policies, regular compatibility testing

CI/CD Interoperability

Implementation challenges and remedies

Challenges

Remedy



Diverse Toolsets & Ecosystems

Prioritize critical dependendencies, objectives

Data formats and schema differences

Implement unified data formats

Authorization and Authorization

Standardize methods, integrate governance

Versioning and compatibility testing

Clear versioning policies, regular compatibility testing

Lack of documentation

Prioritize efforts + allocate resources, implement standards + process

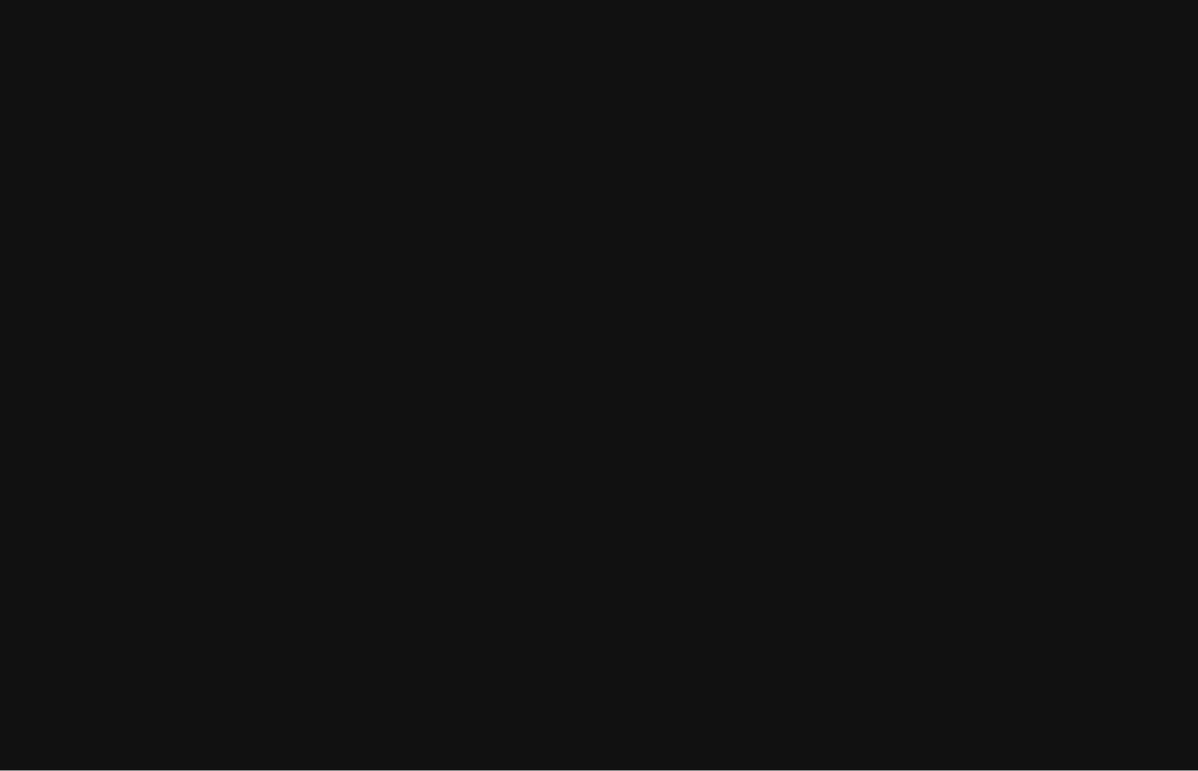


DevEx reflects an organizations values



DevExis...

"ruthlessly eliminating barriers (and blockers) that keep your developers from being successful"



Thank You.



Feedback is appreciated.



/in/jeremymeiss



@IAmJerdog



DEV @jerdog



@jerdog@hachyderm.io

