Challenges and Solutions of Developing and Implementing a Revolutionary Novel Desktop-as-a-Service

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Abstract. The paper will cover very novel and non-published knowledge we gained from developing and implementing a DaaS that is funded by the German Federal Ministry for Economic Affairs and Climate Action. The topic fits very well into the topics of the conference.

Keywords: First keyword · Second keyword · Another keyword.

1 Introduction

1.1 Motivation

2 Related Work

3 Architecture

TODO: Christian

4 Challenges and Solutions

TODO: Christian

4.1 Compatibility

TODO: Christian
Anwendungen (Windows / Linux / MacOS)
Sound (via sound-deamon oder via Guacamole)
Drucker (via cups oder via Guacamole)
Externe Geräte (USB-Stick)

4.2 Performance

Welche Performance-Paramter / Kriterien sind hier relevant für die Anwendung / Nutzung Fokus: Bottlenecks, Möglichkeiten der Performance-Steigerung, Grenzen/Limits, die man akzeptieren muss

Latenz hängt auch immer von Entfernung und Übertragungsmedium ab.

Skalierbarkeit: Stand und Möglichkeiten

TODO Christian: Latenz bei Cloud-Gaming Erfahrungen

4.3 Stability

Was ist hier relevant?

Verfügbarkeit des Service und der Benutzerdaten

Redundante Komponenten (Hardware und Software)

Welche Komponenten kann man sinnvoll redundant vorhalten?

Was sind die Vor- und Nachteile?

Auch Kosten?

Wo sehen wir aktuell in unserer Architektur Risiken für Dienstausfall und Datenverlust?

Features von Proxmox

Docker haben/nicht haben / Vor- und Nachteile

Hier auch auf die Skalierbarkeit beziehen

4.4 Usability

Table 1. Table captions should be placed above the tables.

Heading level	Example	Font size and style
Title (centered)	**Lecture Notes**	14 point, bold
1st-level heading	**1 Introduction**	12 point, bold
2nd-level heading	**2.1 Printing Area**	10 point, bold
3rd-level heading	**Run-in Heading in Bold.** Text follows	10 point, bold
4th-level heading	*Lowest Level Heading.* Text follows	10 point, italic

Displayed equations are centered and set on a separate line.

$$x + y = z \tag{1}$$

Please try to avoid rasterized images for line-art diagrams and schemas. Whenever possible, use vector graphics instead (see Fig. 1).

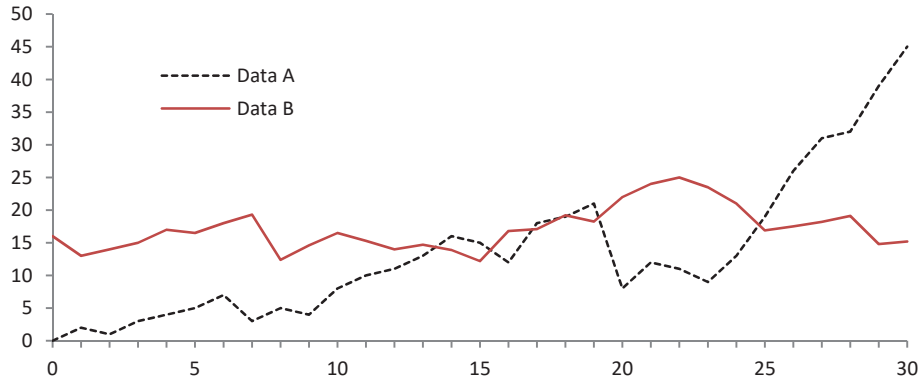

Fig. 1. A figure caption is always placed below the illustration. Please note that short captions are centered, while long ones are justified by the macro package automatically.

Theorem 1. *This is a sample theorem. The run-in heading is set in bold, while the following text appears in italics. Definitions, lemmas, propositions, and corollaries are styled the same way.*

Proof. Proofs, examples, and remarks have the initial word in italics, while the following text appears in normal font.

For citations of references, we prefer the use of square brackets and consecutive numbers. Citations using labels or the author/year convention are also acceptable. The following bibliography provides a sample reference list with entries for journal articles [1], an LNCS chapter [2], a book [3], proceedings without editors [4], and a homepage [5]. Multiple citations are grouped [1–3], [1, 3–5].

Acknowledgments. A bold run-in heading in small font size at the end of the paper is used for general acknowledgments, for example: This study was funded by X (grant number Y).

Disclosure of Interests. It is now necessary to declare any competing interests or to specifically state that the authors have no competing interests. Please place the statement with a bold run-in heading in small font size beneath the (optional) acknowledgments[3], for example: The authors have no competing interests to declare that are relevant to the content of this article. Or: Author A has received research grants from Company W. Author B has received a speaker honorarium from Company X and owns stock in Company Y. Author C is a member of committee Z.

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[3] If EquinOCS, our proceedings submission system, is used, then the disclaimer can be provided directly in the system.