

Für Mensch & Umwelt



EcoCompute 2025

Blue Angel for Software

Presentation of the Eco-label & Award Ceremony

13.11.2025

Anna Zagorski
Research Associate for Green IT
German Environment Agency – Umweltbundesamt (UBA)



Jahre
Umweltbundesamt
1974–2024



picture: Anna Zagorska

Software obsolescence:

- ***Increasing system requirements due to software***
- ***Lack of updates***
- ***No backwards compatibility***
- ***...***



Blue Angel products and services



Household / Drugstore



Living / Textiles



Green-IT / Household Appliances



Construction Products

X

Computer, Keyboards and Mice (new) Computers and Keyboards (until 12/2025) Data Centers Data Shredders

Digital cordless phone Garden tools Mobile Phones, Smartphones and Tablets Printers and Multifunction Devices

Remanufactured toner cartridges and ink cartridges Server and Data Storage Products (until 12/2025) Software

Solar-Powered Products (scales, calculators, lamps) Take Back Schemes for Mobile Phones

Telephone Systems and VOIP telephones



Heating / Energy



Paper / Stationery



Vehicles / Mobility



Services / Municipality

Reference: <https://www.blauer-engel.de/de/produkte>



Goals of the Blue Angel Software

- *The goal of the eco-label is to reduce the energy consumption of IT and to increase resource efficiency*
- *To award those software companies, who are actively working to reduce the environmental footprint of the software*

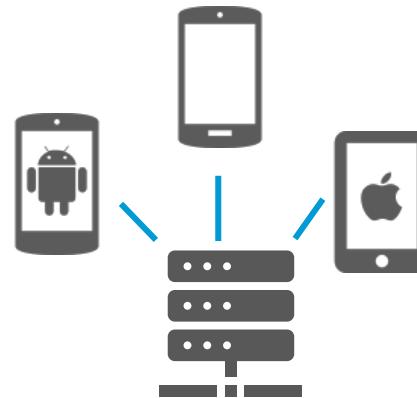


Which software can be awarded by the Blue Angel Software?

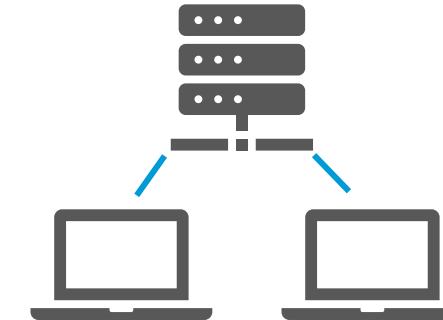
1. Desktop- Computer-Software



2. Apps for mobile devices



3. Client-Server- Software



No comparing of software products, the focus is on transparency criteria:

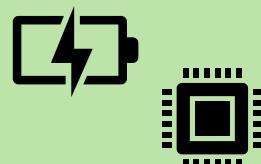
- *What energy and hardware consumption does the software require?*
- *Energy consumption > 10 % over the running time?*
- *Further transparency criteria relating to user autonomy (updates, licences, documentation, etc.)*



What are the criteria for Blue Angel software?

1. Resource- and energy efficiency

- *Energy and hardware consumption*
- *For mobile devices:
Transferred data volumes*



2. Potential hardware utilisation period

Confirmation that software can run on a five-year-old reference system



3. User autonomy

- *Security updates (> 5y.)* 
- *Uninstallability, Modularity*
- *No advertising*
- *Information on data security,
collection and transfer*
- *Interface documentation*
- *Licence designations & rights
granted by the licence*
- *Documented source code*
- *What happens to the software
product after support ends?*



Software already awarded the Blue Angel



Green Metrics Tool

Green Coding Solutions
GmbH

HOLMES

HOLMES

neuland - Büro für Infor-
matik GmbH



KADAI Open Source
Software for Task Ma-
nagement

envite consulting GmbH



KDE Okular

KDE e.V.

Vorteile für Umwelt und Gesundheit

- ✓ energie- und datensparsam
- ✓ abwärtskompatibel und gesicherte Updates
- ✓ werbe- und trackingfrei



Nextcloud Server

nextcloud GmbH



OpenCloud

OpenCloud GmbH

Visions for the Blue Angel Software

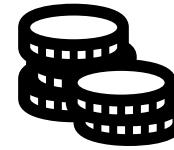
- Anchor Blue Angel certified software as a core element of **public procurement**
(→ **procurement guidelines based on the Blue Angel**)
- Leverage **Blue Angel software and open-source solutions together to promote sustainable and sovereign IT**

Currently under revision



Reference: https://www.umweltbundesamt.de/sites/default/files/medien/11850/publikationen/leitfaden_beschaffung_software_barrierefrei_0.pdf

New funding for open source projects without revenue!



- ***What/who can be funded?***

➤ *Applicants for DE-UZ 215 who do not generate revenue with their free open source software and for whom application fees and annual fees represent a significant hurdle can apply for funding. The total funding amount is limited, therefore funding can only be granted as long as there is sufficient funding volume available.*

- ***What costs are covered?***

➤ *The application fees (€600) and the annual fees are covered until 31 December 2027 (current term of the award criteria). A maximum grant of €1,650 is possible per application, depending on the contract term. Consultancy or audit costs are not covered.*

- ***How can I apply for funding?***

➤ *When applying for DE-UZ 215 in the web portal (portal.ral-umwelt.de), please state in a covering letter that you are applying for funding. It will be then checked with the German Environment Agency whether you are eligible for funding and give you feedback.*

Anna Zagorski

Research Associate for Green IT

Z 2.3 Digitale Transformation und
Beratungsstelle Green IT | Digital Transformation and Green IT advice center

Umweltbundesamt | German Environment Agency

Buchholzweg 8

13627 Berlin

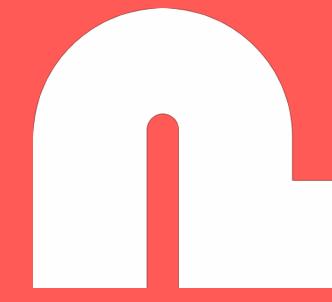
anna.zagorski@uba.de

www.umweltbundesamt.de

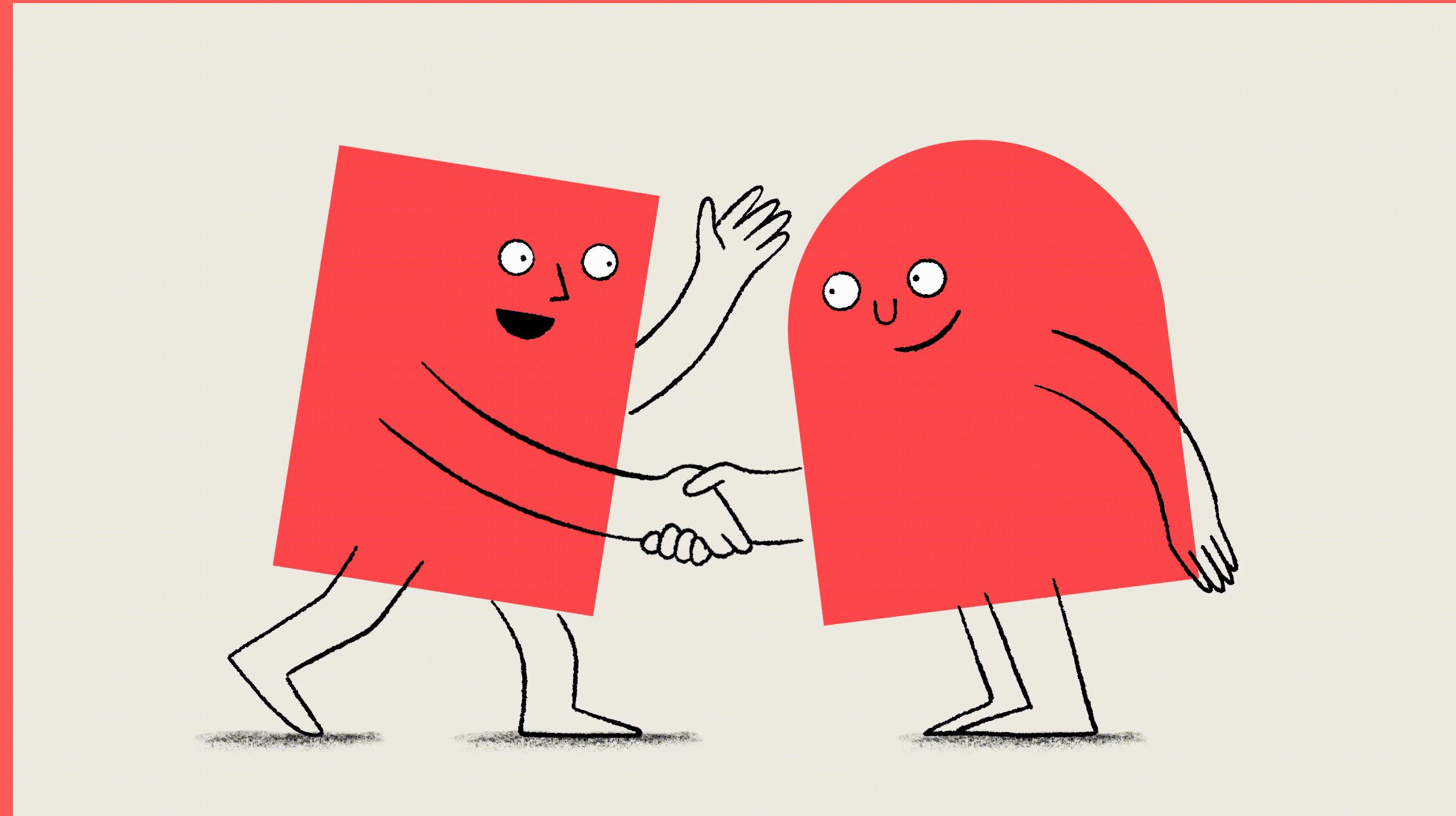


Jahre
Umweltbundesamt
1974–2024





neuland



neuland

Our clients & core competencies



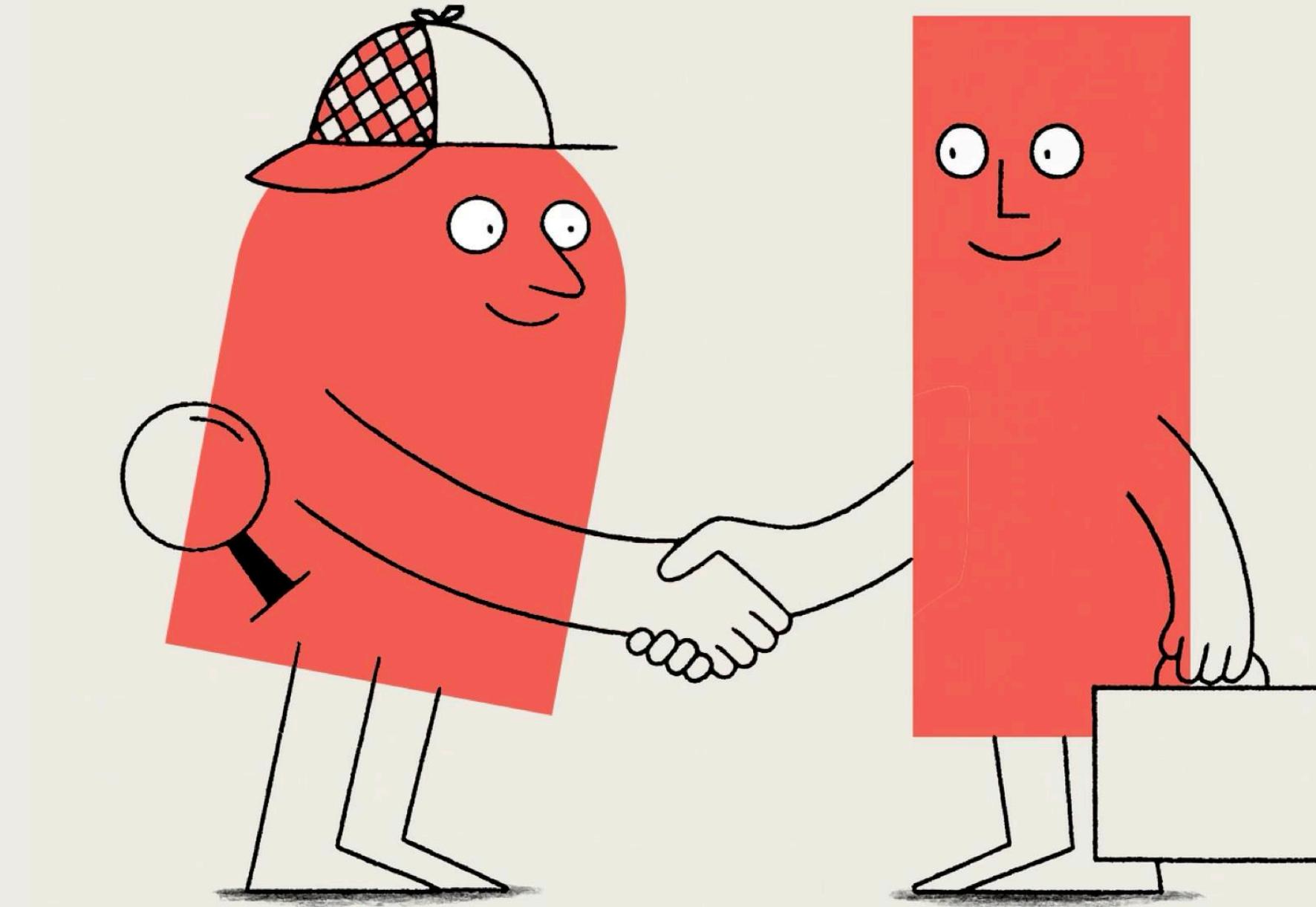
- B2C/B2B Commerce
- Replatforming
- Verticalization
- Micro Frontends
- Search
- Green Software





neuland

HOLMES search accelerator



HOLMES search accelerator

What is it?

- Search based on Open Source technology like Solr, OpenSearch & Elasticsearch
- All basic search features as a package
- Backoffice tool for managing the search
- Customization to client's individual requirements
- Clients: Fricke (increase in CR), Coop, C&G







Chris Hendriks
CEO OpenCloud

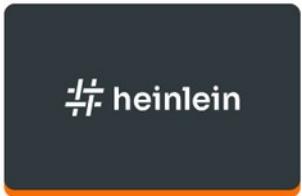


Klaas Freitag
CTO OpenCloud

Outstanding Teamwork: The Blue Angel for OpenCloud



OpenCloud is modern File Management



IT-Beratung & Akademie



Sichere
Videokonferenzen



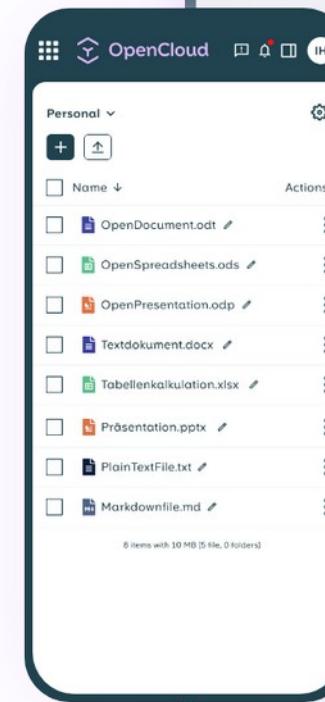
File-Management &
Filesharing



E-Mail & Online Office

OpenCloud started in January 2025 as one of
the product offerings of the Heinlein Group.

It is a mature product which started five years
ago. It runs in large production installations for
a long time.



The screenshot shows the OpenCloud web interface. At the top, there's a navigation bar with the OpenCloud logo and a search bar. Below it, a sidebar on the left lists 'Personal', 'Shares', 'Spaces', and 'Deleted files'. The main area displays a list of files in the 'Personal' space. Each file entry includes a checkbox, a preview icon, the file name, and its size. The files listed are:

File	Size
OpenDocument.odt	10 MB
OpenSpreadsheet.ods	2.4 MB
OpenPresentation.odp	10 MB
Textdokument.docx	2.4 MB
Tabellenkalkulation.xlsx	2.4 MB
Präsentation.pptx	2.4 MB
PlainTextFile.txt	2.4 MB
Markdownfile.md	2.4 MB
file.pdf	10 MB
movie.mov	10 MB
image.jpg	10 MB

At the bottom right, it says '11 items with 97 MB (11 file, 0 folders)'



OpenCloud is a Building Block of the Free Internet

- **100% FOSS** (Apache2, AGPLv3)
- The project is driven by OpenCloud as a for-profit company, monetization via Support and Services
- Professional as community usage and contributions are very welcome

**Everything is
political**

(Even if you fork a software project)

OpenCloud's Key Promises



Generally Available

Access to your data from everywhere over the internet, on all devices.



Collaboration

Documents can be shared to distribute information.
Seamless collaborative editing of office documents



One Truth

There is always one current version of a file.
Spaces help groups to organize their data treasure effectively



Protection

Data is secure in your private cloud which defends bad things like Ransomware or viruses



OpenCloud takes Responsibility

- For digital sovereignty in Europe
- For privacy and protection of user data
- For responsible engineering
- For a fair product offering

OpenCloud is proud to
have the Blue Angel



www.blauer-engel.de/uz215

Thank you very much

Please get in touch with
Klaas Freitag (k.freitag@opencloud.eu) and
Chris Hendriks (c.hendriks@opencloud.eu)

or here on the conference!

envite >*

Blue Angel for KADAI

award ceremony at ecoCompute 2025

Jörg Drescher

About us

envite >*



founded in 2022



**39 enthusiastic employees
including 26 consultants**



active throughout Germany



€ 3.5 million turnover (2024)



>20 customers from different industries
(energy, insurance, IT, banking, logistics, ...)

The pillars of our consulting



IT for a Livable Future

We help sustainability-oriented companies to efficiently digitize their business processes – for more sustainability, agility and growth. Together, we are shaping the future by consistently leveraging the potential of information technology.



Digital Efficiency

By optimizing software, cloud and on-premise operations as well as development processes, we create digital efficiency and future-proof IT landscapes. At the same time, we anchor sustainable thinking in the organization of our customers in order to reconcile technology and responsibility.



Sustainability Transformation

We develop tailor-made strategies that make processes more efficient and ensure long-term value creation. In doing so, we help companies to integrate sustainability into their business processes in a targeted manner and to meet the associated reporting requirements.

KADAI - Open Source Task Management



KADAI is the open-source framework for enterprise task management, designed for maximum customizability and integration. It is modular, flexibly expandable and optimally designed for individual requirements in small and large service units.

KADAI provides the following features:

- Prioritization
- Distribution of tasks
- Monitoring of progress and
- Customization of task attributes

KADAI provides a solution for centralizing task management in larger organizations with multiple task management mechanisms.

Available as a Java library as well as a REST API, KADAI offers numerous customization options for your task management system. It can be operated standalone or integrated into your application.

Our motivation for the Blue Angel



www.blauer-engel.de/uz215

Leading by example

- * Have our own product certified as a consulting company with a focus on sustainability.
- * We combine our IT expertise with sustainable added value.
- * Continuously measure and improve the energy efficiency of our software.

Develop in-house expertise

- * As part of the certification, we were able to acquire our own expertise
- * Deep understanding of regulatory requirements
- * Design and development of the measurement methods

Our partners in the process:



Let's celebrate together

Blue Angel for Software - All certificate holders



- **Pioneer companies** already see the value in sustainable software
- Blue Angel for Software shows **the way forward**: visibility | transparency | sustainability
- **Up into an exciting 2026**



Green Metrics Tool

Green Coding Solutions
GmbH

HOLMES

HOLMES
neuland - Büro für Informatik GmbH



KADAI Open Source Software for Task Management
envite consulting GmbH



KDE Okular
KDE e.V.



Nextcloud Server
nextcloud GmbH



OpenCloud
OpenCloud GmbH