



## Wolfram's zWorld Version 3 z/OS Expertenforum

17./18. Oktober 2023  
Churwalden

— Wolfram Greis

[www.mainframe-academy.de](http://www.mainframe-academy.de)

- Z Xplore (update)
- Open Mainframe Project & Zowe (update)
- New Technologies: Hardware
- Künstliche Intelligenz:  
Wie kann die uns bei der täglichen Arbeit unterstützen?

# Z XPLORE & MASTER THE MAINFRAME (MTM)

## ➔ UPDATE

## IBM Z XPLORE LEARNING PLATFORM

*Enterprise Computing Learning Experience*



- Z Xplore is a learning and experience platform available year-round to individuals interested in developing and experiencing IBM zSystems skills.
- You can earn digital badges (Credly) and be part of a community (in Slack)
- Three progressive levels
  - Fundamentals & Concepts  
Learn about datasets, JCL, Python, USS, VS Code
  - Advanced  
Hands-on learning around REXX, COBOL, Linux, VSAM, SQL, and more
  - Extended  
Hands-on learning around Node.js, Machine Learning, Docker, Ansible, and more
- Self-paced challenges

# Difference between MTM and Z Xplore



Master the Mainframe	Z Xplore
Learning materials and the grand challenge (student contest) restarts every year.	Learning content is available year-round and is divided between three channels. Challenges are continuously added.
Student Contest: Accessible to anyone 18+ and at an accredited school, three month long.	If currently no student contest available, mini code-a-thons are available on request.

**Note:**

For access to the z/OS environment, you have to register with an email address and a password. If you start with Z Xplore fundamentals, you get a Z ID and RACF PW.

- Ports being used and have to be accessible:
  - IP address 204.90.115.200
    - Port 20/21 – FTP
    - Port 22 – SSH
    - Port 623 – **TN3270 → TSO 1 Aufgabe muss gelöst werden**
    - Port 5040 – Db2
    - Port 10443 – **zOSMF**
- Software downloads
  - VS Code
  - Node.js

- [Z Xplore Essentials](#)
- [IBM Z and LinuxOne Community](#)
- [Z Xplore Resource Kit](#)
- [Z Xplore Credly Badges](#)

# LINUX FOUNDATION'S OPEN MAINFRAME PROJECT



- **John Mertic** is director of program management for Linux Foundation's Open Mainframe Project  
[www.openmainframeproject.org](http://www.openmainframeproject.org)
- Bring **open source knowledge** to mainframe computing
- Thanks to ZOWE, a green-screen 3270 is no longer **the only way** to access mainframe data
- You can use SSH, REST APIs, JavaScript-powered desktops, IDEs ...



“Why would you want a mainframe?”

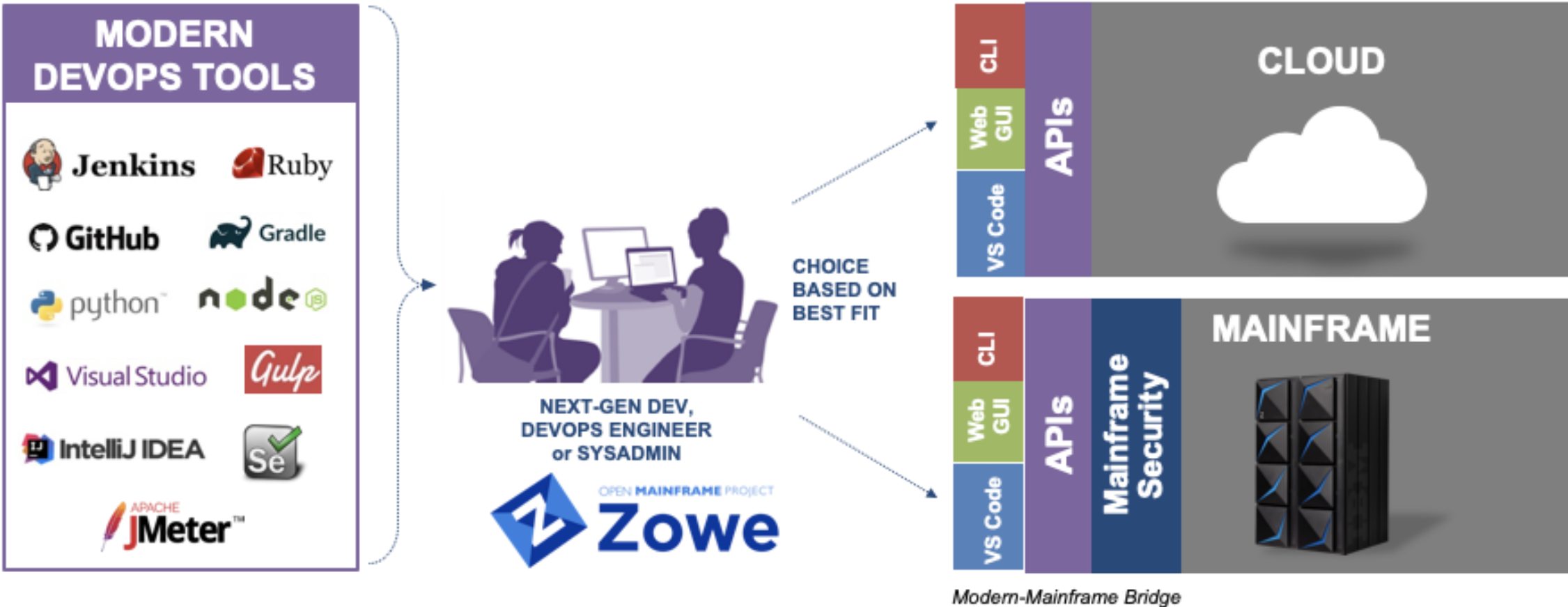


“Transportation, insurance, industry... really anywhere where you need computing that's extremely transactionable, highly scalable, top-end performance and immensely secure.”

Source: Linux Format Summer 2020

## Zowe Wins DevOps Award For Second Year in a Row!

By Open Mainframe Project | January 23, 2023 | Blog, Zowe



zowe.org

The screenshot shows the zowe.org website homepage. At the top, there is a navigation bar with the text "THE LINUX FOUNDATION PROJECTS" and the Zowe logo with the tagline "Open. Simple. Familiar." Below this is a dark navigation menu with tabs for Overview, Download, Docs, Learn, Extend, Community, Support, Security, and vNext. A light-colored announcement bar below the menu states: "Zowe version 1.28.5 is now available. You can download the installers for this release from the Download page. To learn what's new in this release, see the Release notes." The main content area features a paragraph about Zowe's role as an open source framework for z/OS, followed by a paragraph about modern interfaces. A video player titled "Zowe overview video" is embedded on the right, showing the "Open, Simple, Familiar" tagline. Below the text is a section titled "What would you like to do with Zowe?" with four interactive cards: "Learn" (with a person icon), "Use" (with a document icon), "Create" (with a wrench icon), and "Contribute" (with a group of people icon). At the bottom left, there are links to "Report Zowe issue" and "Report website issue".

zowe.org

THE LINUX FOUNDATION PROJECTS

OPEN MAINFRAME PROJECT

Zowe

Open. Simple. Familiar.

Overview Download Docs Learn Extend Community Support Security vNext

Announcements

Zowe version 1.28.5 is now available. You can download the installers for this release from the [Download](#) page. To learn what's new in this release, see the [Release notes](#).

Zowe, the integrated and extensible open source framework for z/OS, combines the past and present to build the future of mainframes. Like Mac OS, Windows, and others, Zowe comes with a core set of applications out of the box in combination with the APIs and OS capabilities future applications will depend on.

Zowe offers modern interfaces to interact with z/OS and allows you to work with z/OS in a way that is similar to what you experience on cloud platforms today. You can use these interfaces as delivered or through plug-ins and extensions that are created by clients or third-party vendors.

Next release: v2.12.0 GA 2023-10-23 | [View roadmap](#)

Did you know? The Zowe Community hosts a webinar each quarter called the Zowe Quarterly Update. Watch the replays on [Youtube](#)

Zowe overview video

Open, Simple, Familiar

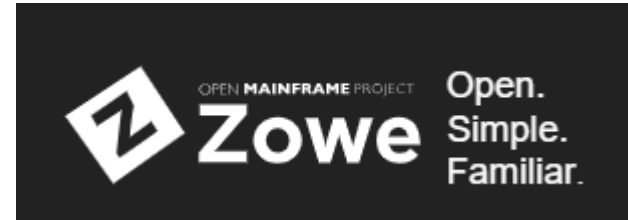
### What would you like to do with Zowe?

- Learn**  
Learn how Zowe works and what it can do for you
- Use**  
Get started from planning to install and use Zowe
- Create**  
Build extensions, services, plug-ins or apps on top of Zowe
- Contribute**  
Contribute to the open source community developing Zowe

[Report Zowe issue](#) | [Report website issue](#)

- IBM Z Open Editor

- COBOL
- PL/I
- High Level Assembler
- REXX

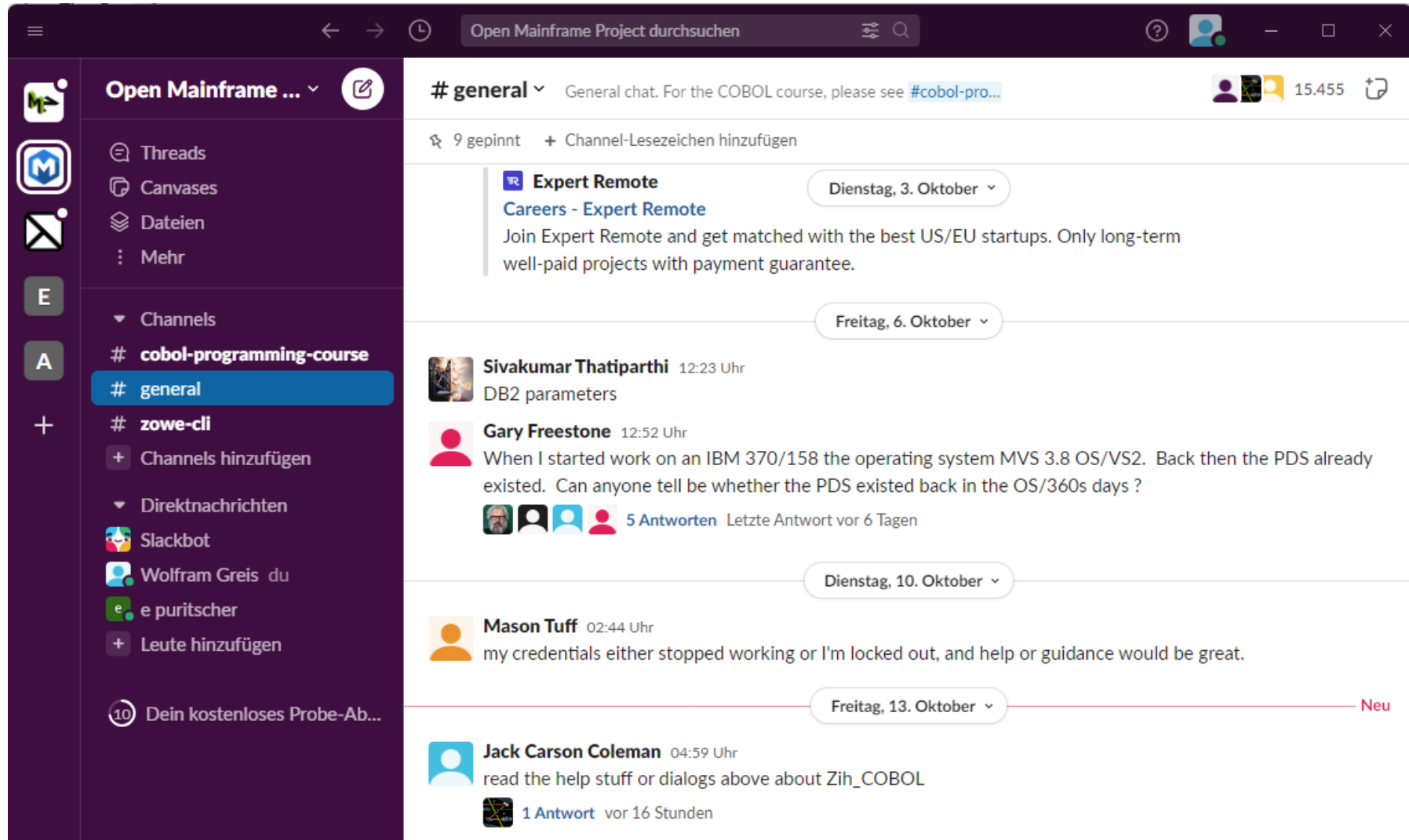


- Workflows4z

- Create and validate the z/OSMF workflow definition and action definition files

<https://marketplace.visualstudio.com/items?itemName=broadcomMFD.workflows4z>

- **COBOL Check** – an Open Source Unit Testing framework for COBOL



Open Mainframe Project durchsuchen

# general General chat. For the COBOL course, please see #cobol-pro... 15.455

9 gepinnt + Channel-Lesezeichen hinzufügen

**Expert Remote** Dienstag, 3. Oktober  
Careers - Expert Remote  
Join Expert Remote and get matched with the best US/EU startups. Only long-term well-paid projects with payment guarantee.

Freitag, 6. Oktober

**Sivakumar Thatiparthi** 12:23 Uhr  
DB2 parameters

**Gary Freestone** 12:52 Uhr  
When I started work on an IBM 370/158 the operating system MVS 3.8 OS/VS2. Back then the PDS already existed. Can anyone tell be whether the PDS existed back in the OS/360s days ?  
5 Antworten Letzte Antwort vor 6 Tagen

Dienstag, 10. Oktober

**Mason Tuff** 02:44 Uhr  
my credentials either stopped working or I'm locked out, and help or guidance would be great.

Freitag, 13. Oktober **Neu**

**Jack Carson Coleman** 04:59 Uhr  
read the help stuff or dialogs above about Zih\_COBOL  
1 Antwort vor 16 Stunden

Open Mainframe ...

- Threads
- Canvases
- Dateien
- Mehr

Channels

- # cobol-programming-course
- # general
- # zowe-cli

+ Channels hinzufügen

Direktnachrichten

- Slackbot
- Wolfram Greis du
- e puritscher

+ Leute hinzufügen

10 Dein kostenloses Probe-Ab...

- Open Mainframe Website  
<https://www.openmainframeproject.org/>
- Open Mainframe Project Blog  
<https://www.openmainframeproject.org/blog/>
- GitHub  
<https://github.com/openmainframeproject>
- Open Mainframe Project in the Press  
<https://www.openmainframeproject.org/news/press>
- COBOL Programming Course  
<https://www.openmainframeproject.org/all-projects/cobolprogrammingcourse>
- COBOL Working Group  
<https://www.openmainframeproject.org/all-projects/cobol-working-group>
- ZOWE Conformance Program  
<https://www.openmainframeproject.org/all-projects/zowe/conformance>

**... UND NUN ZUR KÜNSTLICHEN INTELLIGENZ**

- Sich **nicht** mit KI zu beschäftigen, ist gefährlich und fahrlässig!
- Menschen werden nicht durch die KI ersetzt, sondern durch Menschen, die sich mit KI auskennen und diese nutzen!
- Die vier „A“ nach **Prof. Doris Weßels**, Fachhochschule Kiel:

- **A**ufklären
- **A**usprobieren
- **A**kzeptieren
- **A**ktiv werden





■ Studie von Boston Consulting Group unter Mitwirkung von MIT Sloan, Warwick Business School und Wharton School

■ Publiziert in der FAZ D:Economy: [Generative KI ...](#) am 24.9.2023

■ “On some tasks AI is immensely powerful, and on others it fails completely or subtly.”  
Ethan Mollick, Co-Autor der Studie

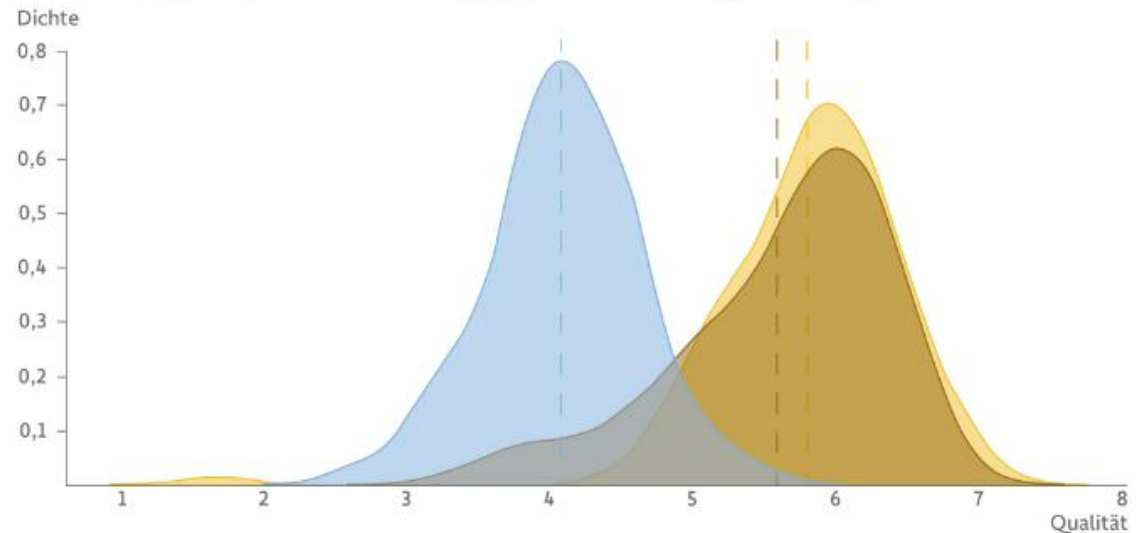
PRODUKTIVITÄT

# Generative KI macht Wissensarbeiter 25 Prozent schneller und 40 Prozent besser

VON HOLGER SCHMIDT - AKTUALISIERT AM 22.09.2023 - 10:19

## Wie generative KI die Arbeit verbessert

● Ohne KI ● Mit KI, aber ohne Schulung ● Mit KI und vorheriger Schulung



Wissensarbeiter, die KI einsetzen, erledigten im Durchschnitt

- **12,2 Prozent mehr** Aufgaben
- waren **25,1 Prozent schneller**
- erzielten **40 Prozent bessere** Ergebnisse als Menschen ohne KI-Einsatz.

Die Ergebnisse der Wissensarbeiter, die vorher zusätzlich eine **KI-Schulung** bekamen, waren im Durchschnitt noch besser und ihre Ergebnisse gleichmäßiger verteilt (höhere Dichte).

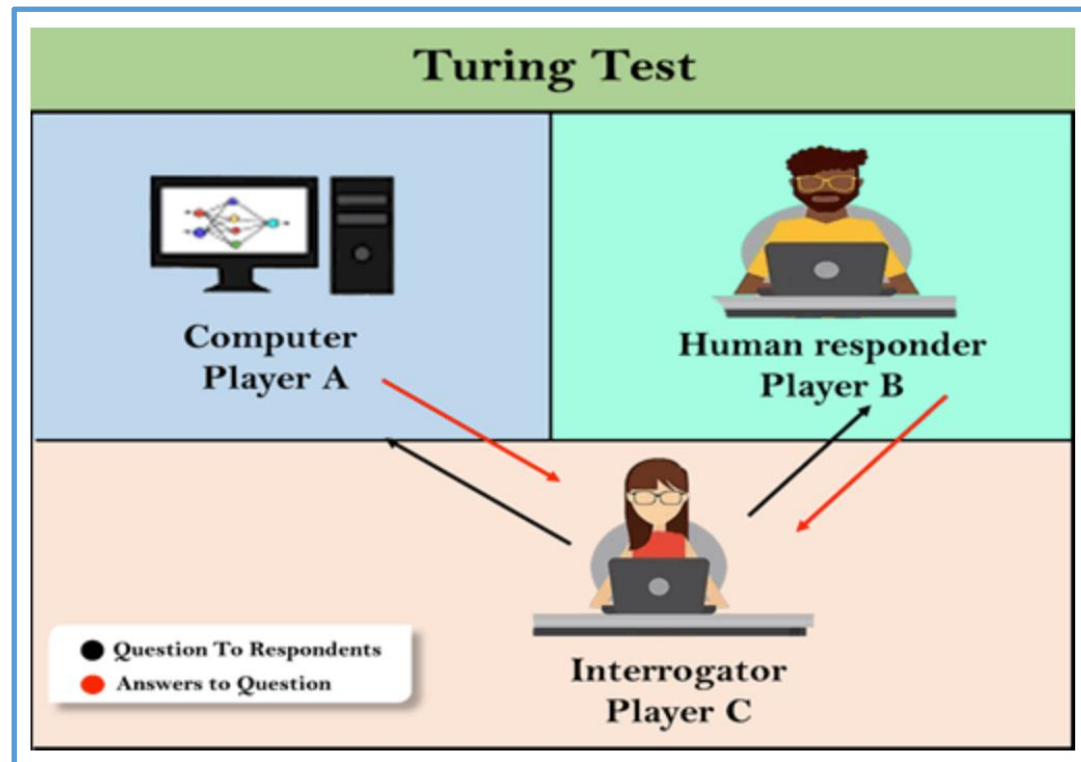
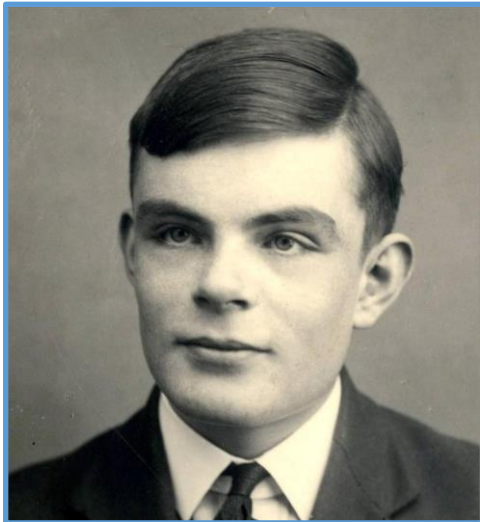
Grafik: kaho. / Quelle: Dell'Acqua et al. 2023

- AI History
- Generative Pre-trained Transformer – How do they Work?
- Prompt Engineering with Tips and Recommendations
- Search Engines and AI Tools
- Plug-ins
  
- Examples with **use cases** and **our daily work with mainframes**

# History

- In 1950, computing pioneer Alan Turing predicted that within a few decades, computers would convincingly mimic human intelligence.

Paper: „Computing Machines and Intelligence“





```
Welcome to  
EEEEEE LL      IIII ZZZZZZZ AAAAA  
EE      LL      II      ZZ  AA  AA  
EEEEEE LL      II      ZZZ  AAAAAAA  
EE      LL      II      ZZ  AA  AA  
EEEEEE LLLLLL IIII ZZZZZZZ AA  AA  
  
Eliza is a mock Rogerian psychotherapist.  
The original program was described by Joseph Weizenbaum in 1966.  
This implementation by Norbert Landsteiner 2005.  
  
ELIZA: Is something troubling you ?  
YOU:  Men are all alike.  
ELIZA: What is the connection, do you suppose ?  
YOU:  They're always bugging us about something or other.  
ELIZA: Can you think of a specific example ?  
YOU:  Well, my boyfriend made me come here.  
ELIZA: Is it important to you that your boyfriend made you come here ?  
YOU:  He says I'm depressed much of the time.  
ELIZA: I am sorry to hear that you are depressed.  
YOU:  It's true. I am unhappy.  
ELIZA: Can you explain what made you unhappy ?  
YOU:  █
```

# Generative Pretrained Transformer – How Do They Work?

- Anyone who has half an understanding of how ChatGPT works can certainly understand that the statements made by ChatGPT have to be questioned.
- Sam Altman constantly points out the shortcomings of ChatGPT and repeatedly expresses that one cannot rely on the statements of the software.

## ■ Generative

- Large language models (LLMs) convert words into tokens and these into contextualized vector embeddings. They **generate contextually appropriate texts** based on statistical predictions.
- LLMs can be used to **modify, analyze, or create text in a variety of ways**: Sentiment detection, named entity recognition, and text summarization are just a fraction of these capabilities.

## ■ Pretrained

- Pretrained refers to the process by which the model is initially trained on a massive amount of data, usually a **vast amounts of text from the internet**. This initial training allows the model to learn a vast range of patterns, structures, facts, grammar, reasoning.

## ■ Transformer

- The term **transformer** refers to a specific **deep learning architecture** that was introduced in a 2017 paper titled "**Attention Is All You Need**" by Vaswani et al.
- This architecture revolutionized the field of natural language processing due to its efficiency and capability to handle long-range dependencies in sequences.



- Large Language Models (LLMs)
  - Produce a propability distribution of predicting the next word that follows "I am ..."
    - happy
    - sad
    - rich
    - poor
    - making
    - busted
    - ...
- It **doesn't copy** text passages, it **generates new text!**
- **Natural language** as an interface

# Prompt Engineering – Tipps and Recommendations

- Prompts are the foundation of most AI tools, including ChatGPT, MidJourney and other tools.
- How well you can prompt defines the value you get from AI platforms.
- Prompt engineering is a mix of language skills, problem solving and applying logical thinking.
- The average user will get average results.
- We also use prompts to create images or audio.
  - text to video
  - text to audio

- Dialog immer mit Kontext starten (Rolle, Zielgruppe, Format, ...)
- Zyklisch und iterativ vorgehen => Chained prompting
- Bei "Fehlern" nicht aufgeben, sondern anpassen und wiederholen => Debugging
- Auf Gross/Kleinschreibung verzichten, Stichworte genügen
- ChatGPT ist im Englischen besser.
- Ausgabe mehrfach generieren (regenerate response)
- Alte Frage nachträglich korrigieren (Edit Button)
- Neuen Chat beginnen, wenn Sie ein anderes Thema/Szenario wünschen
  
- Beispiel:  
<https://chat.openai.com/c/5b2a5912-37a2-4600-b375-10c2f7de2e20>

# Plug-ins



+ New chat

⌵

⚡ GPT-3.5    ⚙️ GPT-4

No plugins enabled ▾

Plugin store

Popular    New    All

**Ai PDF** Install ↻

Super-fast, interactive chatbot for any size, complete with references for fact checking.

**KAYAK** Install ↻

Search flights, stays & rental car recommendations where you want, within your budget.

< Prev 1 2 Next >

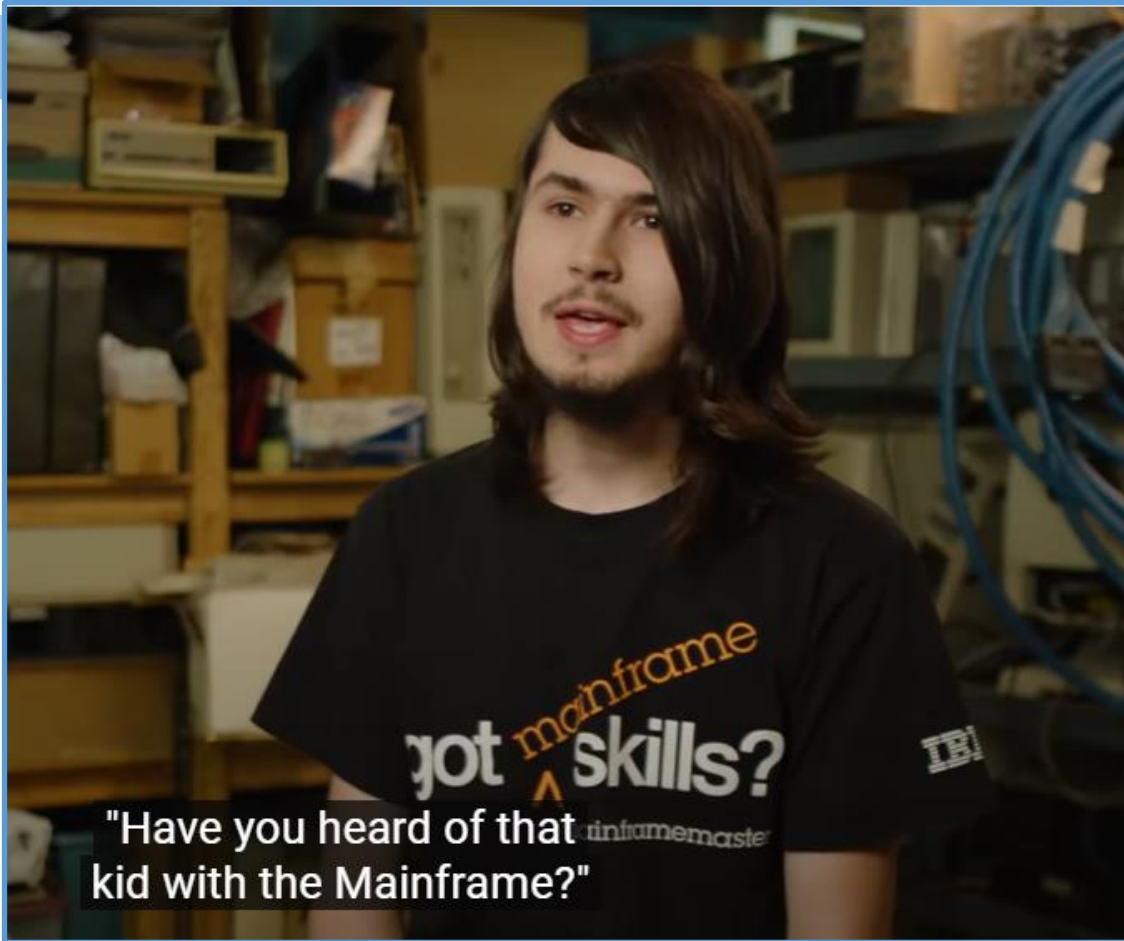
Plugin store

Popular    New    All    Installed    🔍 Search plugins

<p><b>A+ Doc Maker</b> <span>Install ↻</span></p> <p>Generate beautiful PDFs in seconds. Resumes, cover letters, proposals and more. Also supports DOCX, XLSX, CSV...</p>	<p><b>A/B JUDGE</b> <span>Install ↻</span></p> <p>Judge whether the A/B test results are superior or not.</p>	<p><b>AAASummarize.app</b> <span>Uninstall ⊗</span></p> <p>Summarize YouTube videos, web pages, and PDF documents by providing a link. This is a free preview.</p>	<p><b>Aardvark AI</b> <span>Install ↻</span></p> <p>Search for Products on Google Shopping in Real-Time, No Ads, Only Trusted Stores.</p>
<p><b>ABC Music Notation</b> <span>Install ↻</span></p> <p>Converts ABC music notation to WAV, MIDI, and PostScript files.</p>	<p><b>Able</b> <span>Install ↻</span></p> <p>🔥 Use store addons without install! Simply type 'Able PlugName' for 1-click testing of chat extension and instant...</p>	<p><b>Able Style Fashion</b> <span>Install ↻</span></p> <p>Able Style is a fashion assistant who will help you answer the question, 'What shall I wear today?'</p>	<p><b>Abortion Informati...</b> <span>Install ↻</span></p> <p>Abortion Information from the Abortion API.</p>

< Prev 1 2 3 4 5 ... 95 96 97 98 Next >

About plugins



wo <https://www.youtube.com/watch?v=wJyiHsfJLEI>

Used AAASummarize.app

The YouTube video titled "The 'Mainframe Kid'" tells the story of Connor, a young man who has a passion for vintage computers. Here's a summary of the video:

- Connor started collecting vintage computers several years ago, bringing home old teletype machines and tape drives. His interest in understanding how things work led him to computers.
- Connor's collection includes a variety of items, such as an IBM PC XT in its original box. For a science fair in seventh or eighth grade, instead of a typical project like a volcano or plant growth, Connor built a hydrogen gas generator.
- When Connor moved into his current house, he negotiated to have the basement as his space and began filling it with vintage computer equipment. His most notable acquisition is an IBM Mainframe, which he saw in an ad and decided he wanted.
- Despite initial resistance from his parents, Connor managed to bring the massive Mainframe home. They had to use a chain fall to lower it into the basement. After setting it up and turning it on, Connor spent the next three months learning how to operate it.
- Connor's story started gaining attention when people found out that an 18-year-old had a full-size IBM Mainframe in his basement. He was invited to speak about his experience in Texas, and his presentation was uploaded to YouTube, where it quickly gained hundreds of thousands of views.
- Following his speech, IBM invited Connor for a tour of their Poughkeepsie plant, where the Mainframe was created. Connor, who knew a lot about the history of these machines, was surprised and excited. He now works at IBM.
- Connor's story is a testament to the potential of pursuing niche interests. Despite the perception that mainframes are a niche field, Connor points out that there are many job openings in the area. His passion for vintage computers, particularly IBM machines, led him to a job and a career path he loves.

Was this response better or worse?  Better  Worse  Same  X

Regenerate

# Transitioning to Quantum-Safe Cryptography on IBM Z

Bill White  
Didier Andre  
Gregg Arquero  
Ritu Bajaj  
Joe Cronin  
Anne Dames  
Henrik Lyksborg  
Alexandra Miranda  
Maxwell Weiss



 Security

IBM Z



Redbooks

WO

<https://www.redbooks.ibm.com/redbooks/pdfs/sg248525.pdf>



Used AAASummarize.app

The document you provided is titled "Transitioning to Quantum-Safe Cryptography on IBM Z" and it's a comprehensive guide on how to transition to quantum-safe cryptography on IBM Z systems. Here are some key points from the highlighted pages:

- The document discusses the importance of cryptographic agility, which is the ability of an information security system to rapidly switch to alternative cryptographic primitives and algorithms without making significant changes to the system's infrastructure (Page 26, 37, 63).
- It introduces various use cases to illustrate the threats that many organizations face with the rise of quantum computing for use cases that are related to confidentiality, integrity, authentication, and nonrepudiation (Page 27, 38).
- The document provides an overview of the cryptographic components available on the IBM

Z platform

cryptograp

IBM Z (Pag

- It provides

policy repo

87, 94, 95, 9

- The docum

quantum-s

generate a

187, 188, 189, 190).

- It also provides a roadmap for scaling IBM quantum technology (Page 5).

Please note that this is a summary of the highlighted pages and may not cover all the details.

If you need a summary of a specific section, please provide the page range.

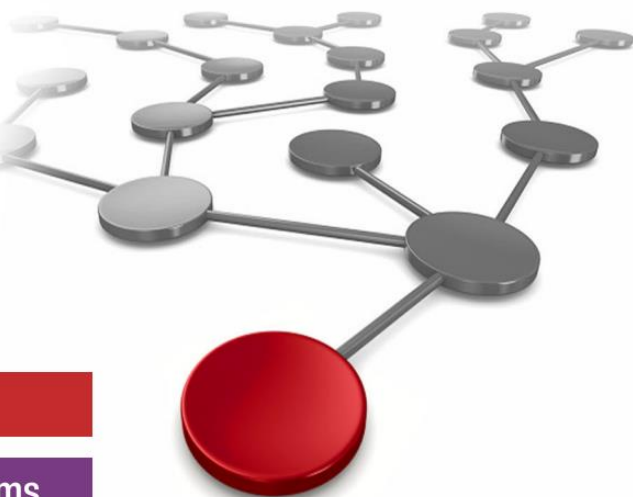
**Please note that this is a summary of the highlighted pages and may not cover all the details. If you need a summary of a specific section, please provide the page range.**





# Accelerate Mainframe Application Modernization with Hybrid Cloud

Skyla Loomis  
Suman Gopinath  
Peter McCaffrey  
Tim Brooks  
Juergen Holtz  
Bryant Panyarachun  
Purvi Patel  
Mythili Venkatakrishnan  
Yichong Yu



Cloud

IBM zSystems



Point-of-View

https://www.redbooks.ibm.com/redpapers/pdfs/redp5705.pdf



Used AAASummarize.app

The document you provided is titled "Accelerate Mainframe Application Modernization with Hybrid Cloud". It's a comprehensive guide on how to modernize mainframe applications using hybrid cloud technologies. Here are some key points from the highlighted pages:

- The document discusses the importance of APIs in enabling mainframe applications to be part of an event-driven architecture, which is crucial for real-time data delivery for business processes (Page 18).
- It introduces the concept of data virtualization, which allows for discovery and governance of all disparate sources of data in z/OS (Page 22).

Please note that this is a summary of the highlighted pages and may not cover all the details. If you need a summary of a specific section, please provide the page range.

platforms like IBM Cloud Pak for Business Automation for leveraging DevOps for z/OS applications on z/OS (Pages 44, 48, 52).

- The document also includes a list of authors and contributors to the project (Page 56).

Please note that this is a summary of the highlighted pages and may not cover all the details. If you need a summary of a specific section, please provide the page range.

Regenerate

The screenshot shows the Coursera homepage with the following sections:

- Recently Viewed Courses and Specializations:**
  - IBM - IBM: COBOL Programming with VSCode (Course)
  - IBM - IBM: SMP/E for z/OS Workshop (Course)
  - University of Illinois at Urbana-Champaign: Digital Marketing (Specialization)
  - IBM - IBM: Application Modernization for Enterprise Systems (Course)
- Neu bei Coursera:**
  - IBM - IBM Ahmedabad: Leadership Skills (Course)
  - Johns Hopkins University: Business Analytics with Excel: Elementary to Advanced (Course)
  - Google: Google Cybersecurity (Professional Certificate)
  - Vanderbilt University: Prompt Engineering for ChatGPT (Course)
- Personalized Specializations for You:**
  - IBM
  - IBM
  - IBM
  - IBM

WO cobol courses



Used Coursera



Here are some COBOL courses available on Coursera:

1. **IBM Mainframe Developer:** This is a professional certificate program that takes three to six months to complete. It covers a range of topics including computer programming, software engineering, computer architecture, agile software development, and cryptography.
2. **COBOL Programming with VSCode:** This is a beginner-level course that takes one to four weeks to complete. It covers computer programming and other programming languages.
3. **IBM COBOL Basics:** This is a beginner-level course that takes one to four weeks to complete. It covers computer programming and other programming languages.
4. **IBM COBOL Software Development Practices:** This is a beginner-level course that takes one to three months to complete. It covers software engineering, computer programming, agile software development, and communication.
5. **IBM COBOL Core:** This is a beginner-level course that takes one to four weeks to complete. It covers computer programming and other programming languages.
6. **IBM COBOL Data and File Management:** This is a beginner-level course that takes one to three months to complete. It covers computer programming, databases, and SQL.
7. **IBM COBOL Software Development Process:** This is a beginner-level course that takes one to three months to complete. It covers computer programming, agile software development, and software engineering.
8. **IBM COBOL Basic Testing and Debugging:** This is a beginner-level course that takes one to three months to complete. It covers computer programming and other programming languages.

These courses should provide a comprehensive understanding of COBOL programming.

The image shows three course cards from Coursera:

- IBM Mainframe Developer:** 4.3 (130) | 2.4K Students
- COBOL Programming with VSCode:** 4.7 (165) | 9.2K Students
- IBM COBOL Basics:** 4.6 (34) | 2.3K Students

Each card includes the course title, rating, number of students, and the Coursera logo.

Regenerate

# WOLFRAM CLOUD

Integrated Access to Computational Intelligence

The Wolfram Cloud combines a state-of-the-art notebook interface with the world's most productive programming language—scalable for programs from tiny to huge, with immediate access to a vast depth of built-in algorithms and knowledge. [Learn more >](#)

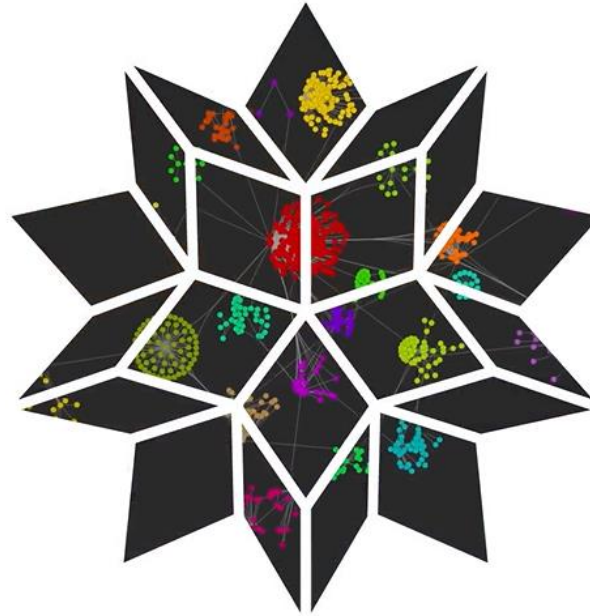
*Wolfram Cloud technology powers Wolfram|One, Wolfram Mathematica, Wolfram Enterprise Private Cloud and Wolfram|Alpha, as well as Wolfram Instant APIs, Instant Web Apps and more...*

BASIC PLAN

Sign up for free

HAVE AN ACCOUNT?

Sign in



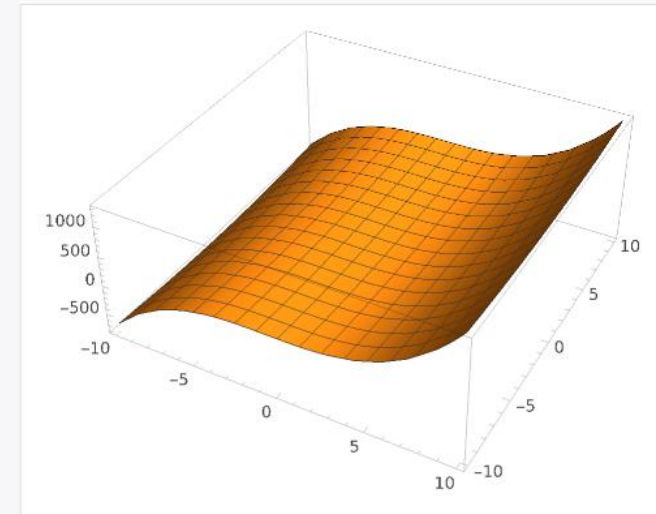
WO

Plot the 3D graph for the equation  $z=x^3+2x^2+3+y^2$



Used Wolfram

Here is the 3D plot for the equation  $z = x^3 + 2x^2 + 3 + y^2$ :



Regenerate

Send a message

WO create a video were an ibm mainframe is educating students



Used Visla

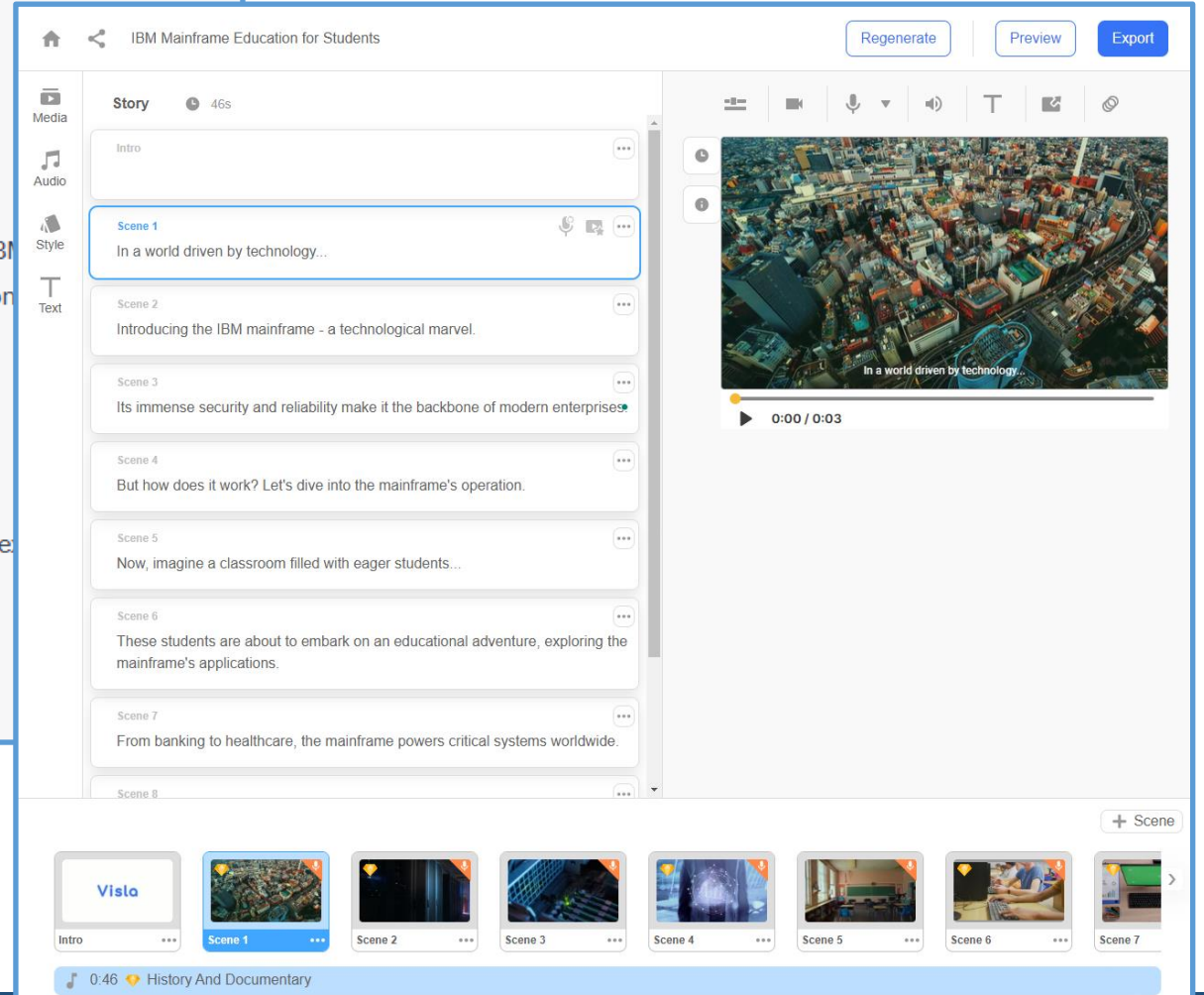
Your video has been successfully created! Here are the details:

- **Title:** IBM Mainframe Education for Students
- **Description:** A comprehensive guide for students to understand the workings of an IBM mainframe. This video aims to educate students about the importance and application of mainframes in today's digital world.
- **Tags:** IBM, Mainframe, Education, Students, Tutorial

You can view your video using this link: [IBM Mainframe Education for Students](https://app.visla.us/clip/1134970849225449472)

To save or edit your video, use this **claim code: 315950**. Please note that this code will expire after 24 hours.

[visla.us](https://app.visla.us)



The screenshot shows the Visla video editor interface for a video titled "IBM Mainframe Education for Students". The interface includes a top navigation bar with "Regenerate", "Preview", and "Export" buttons. On the left, there are tabs for "Media", "Audio", "Style", and "Text". The main area displays a storyboard with the following scenes:

- Intro
- Scene 1: In a world driven by technology...
- Scene 2: Introducing the IBM mainframe - a technological marvel.
- Scene 3: Its immense security and reliability make it the backbone of modern enterprises...
- Scene 4: But how does it work? Let's dive into the mainframe's operation.
- Scene 5: Now, imagine a classroom filled with eager students...
- Scene 6: These students are about to embark on an educational adventure, exploring the mainframe's applications.
- Scene 7: From banking to healthcare, the mainframe powers critical systems worldwide.
- Scene 8

On the right, a video preview window shows a 3D cityscape with the text "In a world driven by technology..." overlaid. The video duration is 0:00 / 0:03. At the bottom, there is a timeline with scene thumbnails and a music player showing "History And Documentary" with a duration of 0:46.

And the video is published:

<https://app.visla.us/clip/1134970849225449472>

- <https://pugin.ai/>
- <https://www.whatplugin.ai/>
- <https://lyrai.app/>
- Pluginpedia von BLOGMOJO  
<https://www.blogmojo.de/chatgpt-plugin/pluginpedia/>
- Chrome Extension  
<https://chrome.google.com/webstore/detail/chatgpt-plugin-finder-%E6%90%9C%E7%B4%A2/mjekmollinipocojphojddkenddjeojh>

# Sonstige KI - Tools

## Whitepaper Mainframe Transformation - Raus aus dem Nebel und rein in die Cloud

Passt in Ihrem Unternehmen die gesetzte Cloud-Strategie mit der Situation im Mainframe-Umfeld zusammen? Haupttreiber sind die Digitalisierung von Geschäftsprozessen, hoch flexible und skalierbare Anwendungsplattformen und der erforderliche Zugriff auf Daten. Nicht zu vergessen die dynamische Gestaltung der Applikationsentwicklungsprozesse und der zuverlässige Betrieb. Von Mainframe-Systemen sind viele andere Systeme abhängig. Trotzdem befinden sich Mainframe-Systeme und -Applikationen in einer kniffligen Lage. Lesen Sie in diesem Whitepaper alles zur aktuellen Themenstellung und Lösungsansätzen.



Übersetzen nach: **Englisch (US)** ▾

Does your company's cloud strategy match the situation in the mainframe environment? The main drivers are the digitization of business processes, highly flexible and scalable application platforms and the necessary access to data. Not to mention the dynamic design of application development processes and reliable operation. Many other systems depend on mainframe systems. Yet mainframe systems and applications find themselves in a tricky position. Read all about the current issue and possible solutions in this white paper.

## Whitepaper Mainframe Transformation - Raus aus dem Nebel und rein in die Cloud

Passt in Ihrem Unternehmen die gesetzte Cloud-Strategie mit der Situation im Mainframe-Umfeld zusammen? Haupttreiber sind die Digitalisierung von Geschäftsprozessen, hoch flexible und skalierbare Anwendungsplattformen und der erforderliche Zugriff auf Daten. Nicht zu vergessen die dynamische Gestaltung der Applikationsentwicklungsprozesse und der zuverlässige Betrieb. Von Mainframe-Systemen sind viele andere Systeme abhängig. Trotzdem befinden sich Mainframe-Systeme und -Applikationen in einer kniffligen Lage. Lesen Sie in diesem Whitepaper alles zur aktuellen Themenstellung und Lösungsansätzen.



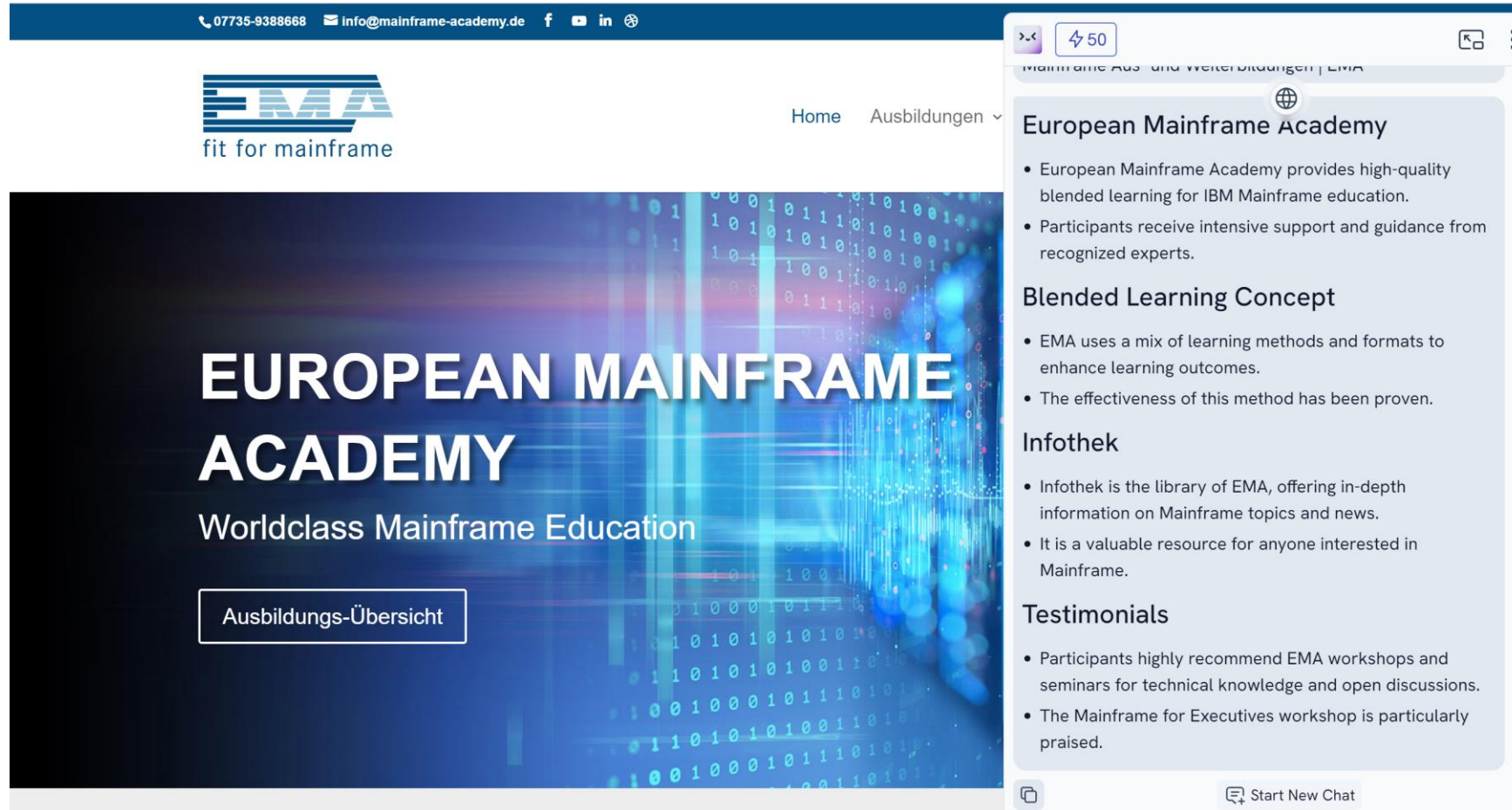
Übersetzen nach: **Chinesisch...** ▾

贵公司的云计算战略是否与大型机环境中的情况相匹配？主要驱动因素是业务流程的数字化、高度灵活和可扩展的应用平台以及必要的数据访问。更不用说应用程序开发流程的动态设计和可靠运行了。许多其他系统都依赖于大型主机系统。然而，大型机系统和应用程序的处境却十分棘手。阅读白皮书，了解有关当前问题和可能解决方案的所有信息。

[Auf DeepL.com anzeigen](#)

Wörterbuch ▾





07735-9388668 info@mainframe-academy.de f y in

EMA  
fit for mainframe

Home Ausbildungen

# EUROPEAN MAINFRAME ACADEMY

## Worldclass Mainframe Education

Ausbildungs-Übersicht

### European Mainframe Academy

- European Mainframe Academy provides high-quality blended learning for IBM Mainframe education.
- Participants receive intensive support and guidance from recognized experts.

### Blended Learning Concept

- EMA uses a mix of learning methods and formats to enhance learning outcomes.
- The effectiveness of this method has been proven.

### Infothek

- Infothek is the library of EMA, offering in-depth information on Mainframe topics and news.
- It is a valuable resource for anyone interested in Mainframe.

### Testimonials

- Participants highly recommend EMA workshops and seminars for technical knowledge and open discussions.
- The Mainframe for Executives workshop is particularly praised.

Start New Chat



# Additional Links and Resources

# Tagesschau Interview mit „Jenny“ und Christian Sievers (Mai 2023)



"Die Entwicklung der letzten 150 Jahren wird es in den nächsten 10 Jahren geben."



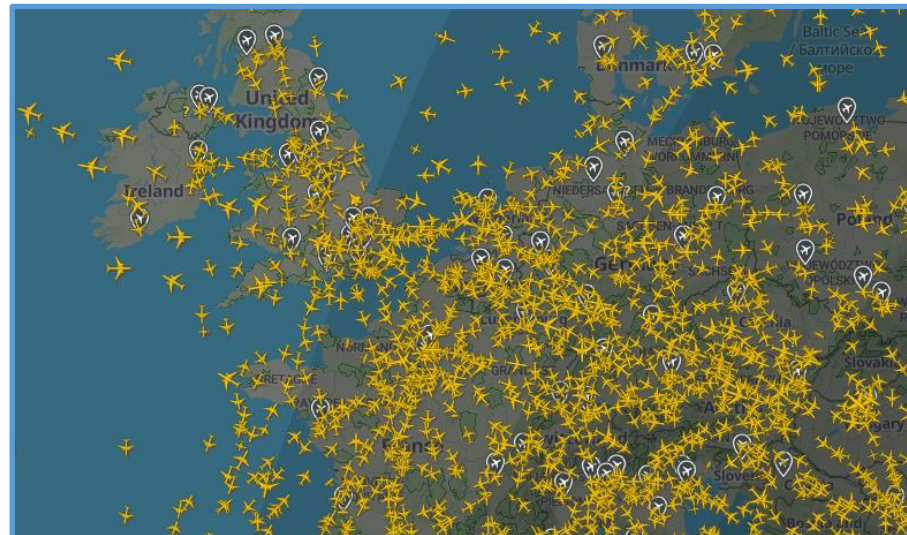
Sebastian Thrun in einem Interview in Wired 2012  
[https://www.wired.com/2012/03/ff\\_thrun/](https://www.wired.com/2012/03/ff_thrun/)



Gebrüder Wright, erster Flug am 17. Dezember 1903  
Foto: National Air and Space Museum



Chicago O'Hare International Airport



Flugradar live vom 20.8.2023 um 21.15

Für das BMBF ist klar: **KI ist eine Schlüsseltechnologie** und als solche **Ausgangspunkt für zahlreiche Entwicklungen, Innovationen und Produkte**. Sie birgt als breit einsetzbares Werkzeug enorme **Chancen für Wissenschaft, Wachstum, Wohlstand, Wettbewerbsfähigkeit** und gesellschaftlichen Mehrwert. Das BMBF betrachtet die Bereitstellung von KI-Werkzeugen, KI-Kompetenzen und KI-Infrastruktur als Teil der Grundversorgung. **Technologische Souveränität bei KI muss gesichert werden**. Deutschland und Europa sollen in einer Welt „**Powered by AI**“ eine Spitzenposition einnehmen. Hierfür will das BMBF die Rahmenbedingungen weiter verbessern.

Quelle:

[https://www.bmbf.de/bmbf/de/forschung/digitale-wirtschaft-und-gesellschaft/kuenstliche-intelligenz/kuenstliche-intelligenz\\_node.html](https://www.bmbf.de/bmbf/de/forschung/digitale-wirtschaft-und-gesellschaft/kuenstliche-intelligenz/kuenstliche-intelligenz_node.html)

- Die Forschungsbasis weiter konsequent stärken
- Eine Forschungsagenda für neue Perspektiven aufsetzen
- Die KI-Infrastruktur zielgerichtet ausbauen
- Erforschen und Gestalten von KI basierten Technologien im Bildungssystem
- Den Transfer von KI in Wachstum und wirtschaftliche Chancen forcieren
- KI im Bereich Gesundheit: gesellschaftlicher Nutzen für alle
- Den gesellschaftlichen und wissenschaftlichen Nutzen von KI gezielt erschließen
- Den europäischen und internationalen Schulterschluss noch stärker suchen
- Den gesellschaftlichen Dialog & die multidisziplinäre Forschung zu KI vorantreiben
- Eine passfähige, agile und innovationsfreundliche Regulierung beschließen

- The inside story of ChatGPTs astonishing potential  
TED-Talk from OpenAI co-founder Greg Brockman  
[https://www.ted.com/talks/greg\\_brockman\\_the\\_inside\\_story\\_of\\_chatgpt\\_s\\_awesome\\_potential](https://www.ted.com/talks/greg_brockman_the_inside_story_of_chatgpt_s_awesome_potential)
- Top 5 der beliebtesten Sprachtools:
  - Chat Interface von OpenAI [ChatGPT](#)
  - Unterhaltung mit fiktiven Personen: [character.ai](#)
  - Google [Bard](#)
  - plattformübergreifender Chatbot [Poe](#)
  - Texte schreiben und Hilfe bei Formulierungen mit [Quillbot](#)
- Top [50 GenAI Web Products](#)
- [z/OS Manual Search](#) by Living Mainframe

- European Mainframe Academy  
<https://www.mainframe-academy.de>
- OpenHPI Mainframe MOOC auf Deutsch  
<https://open.hpi.de/courses/mainframes2017>
- OpenHPI Mainframe MOOC auf Englisch  
<https://open.hpi.de/courses/mainframes2018>
- Academic Mainframe Consortium e.V.  
<https://amc-ev.org>
- YouTube Channel fit4mainframe:  
<https://www.youtube.com/channel/UCiafs3ZVc4XC8Q-ETLMaA0g>
- Blog:  
<https://fit4mainframe.com/>



**QUESTIONS? REMARKS?**